

U.S. Department
of Transportation

800 Independence Ave., S.W.
Washington, D.C. 20591

**Federal Aviation
Administration**

Transmittal Letter 16-12

April 22, 2016

**PREPARED BY THE AERONAUTICAL INFORMATION GROUP, AJV-53
(AVAILABLE ON THE WEB AT [HTTP://NFDC.FAA.GOV](http://NFDC.FAA.GOV))**

**The enclosed Standard Instrument Approach Procedures, Departure
Procedures/Takeoff Minimums and Fix Actions are effective as indicated.**

**The following are corrected copies of procedures previously published in TL 16-10 on
March 25, 2016 and TL 16-11 on April 8, 2016.**

Pueblo, CO, Pueblo Memorial, RNAV (GPS) RWY 8R, Amdt 1
Bay St Louis, MS, Stennis Intl, ILS Z OR LOC Z RWY 18, Amdt 2
Bay St Louis, MS, Stennis Intl, NDB RWY 18, Amdt 2

**The following procedures, previously published in TL 16-09, effective May 26, 2016 have
been rescinded in their entirety.**

Morris, IL, Morris Muni - James R Washburn Field, RNAV (GPS) RWY 18, Amdt 1
Morris, IL, Morris Muni - James R Washburn Field, RNAV (GPS) RWY 36, Amdt 2
Morris, IL, Morris Muni - James R Washburn Field, Takeoff Minimums and Obstacle DP, Amdt 1

**The following procedure, previously published in TL 16-11, effective May 26, 2016 has
been rescinded in its entirety.**

Aiken, SC, Aiken Muni, VOR/DME-A, Amdt 1A, CANCELED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH									
FROM				TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW08R										
VIGIL				ASUNE (FB)			311.62 / 19.36				7900		CLIMB TO 7000 DIRECT HELER AND HOLD.										
ASUNE (IAF)				DREXL (FB)			350.10 / 6.00				7000												
STANO (IAF)				DREXL (FB)			134.25 / 3.20				7000												
DREXL (IF)				OKDEE (FB)			080.10 / 6.37				6900												
OKDEE (FAF)				GOYEP/2.86 NM TO RW08R (FB)			080.18 / 3.96						ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.45 INBOUND. CHART FAS OBST: 4881 TOWER 381648N/1043311W CHART R-2601 A & B. DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.53 NM TO RW08R* *LNAV ONLY. WAAS CHANNEL # 70531 REFERENCE PATH ID: W08A CHART CIRCLING ICON. LTP HAE: 1403.7 M										
GOYEP/2.86 NM TO RW08R				RW08R (MAP) (FO)			080.18 / 2.86																
(SEE FORM 8260-10)																							
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-11																							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																							
2. PROFILE STARTS AT DREXL																							
3. FAC: 080.18 FAF: OKDEE DIST FAF TO MAP: 6.81 THLD: 6.81																							
4. MIN. ALT: DREXL 7000, OKDEE 6900, GOYEP/2.86 NM TO RW08R 5640*																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: 6900 GS ALT AT: OKDEE 6900 OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS CLEAR																							
8. MSA FROM: RW08R 10500 ←																							
MAG VAR: 8E EPOCH YEAR: 2015																							
MINIMUMS																							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @											
CATEGORY =====>		A			B			C			D			E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
LPV DA	4871	1/2	200	4871	1/2	200	4871	1/2	200	4871	1/2	200											
LNAV/VNAV DA	4921	1/2	250	4921	1/2	250	4921	1/2	250	4921	1/2	250											
LNAV MDA	5200	1/2	529	5200	1/2	529	5200	1	529	5200	1	529											
CIRCLING	5340	1	611	5340	1	611	5560	2 1/2	831	5800	3	1071											
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 47C (116F). @ CAT C 900-2 1/2, CAT D 1100-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STANO ON V244 WESTBOUND. (CONTINUED ON PAGE 2)																							
CITY AND STATE PUEBLO, CO				ELEVATION: 4729 TDZE: 4671 AIRPORT NAME: PUEBLO MEMORIAL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8R, AMDT 1, 05/26/2016				SUP: AMDT: DATED 06/27/2013									

QUALITY
4
ORIG
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW08R (MAP)	4871 MSL	080.18	
4871 MSL	HELER (FO)		7000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART SPEED ICON IN PLANVIEW AT DREXL : MAX 210 KIAS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT VIGIL ON V83-611 SOUTHBOUND.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 MILE.

CITY AND STATE
PUEBLO, CO

ELEVATION: 4729 TDZE: 4671
AIRPORT NAME:
PUEBLO MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8R, AMDT 1, 05/26/2016

SUP: 4
AMDT: 0
DATED: 06/27/2013

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPUB
RUNWAY	RW08R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	381713.6500N
LTP/FTP LONGITUDE	1043036.2300W
LTP/FTP ELLIPSOIDAL HEIGHT	+14037
FPAP LATITUDE	381716.7700N
FPAP LONGITUDE	1042824.6700W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	<u>DATA</u>
	FE1ACAB9

ADDITIONAL PATH POINT RECORD INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+14233
FPAP ORTHOMETRIC HEIGHT	+14233

CITY AND STATE
PUEBLO, CO

ELEVATION: 4729 TDZE: 4671
AIRPORT NAME:
PUEBLO MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8R, AMDT 1, 05/26/2016

SUP: 4
AMDT: 0
DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KPUB

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
STANO	010	STANO	IF	FB										E A
STANO	020	DREXL	TF	FB	1.0	134.3						AA 07000		EE B
VIGIL	010	VIGIL	IF	FB										E
VIGIL	020	ASUNE	TF	FB	2.0	311.6						AA 07900		E A
VIGIL	030	DREXL	TF	FB	1.0	350.1						AA 07000		EE B
	010	DREXL	IF	FB								AA 07000		E I
	020	OKDEE	TF	FB	1.0	080.1				RW08R		AA 06900		E F
	021	GOYEP	TF	FB	0.3	080.2		3.00				AA 05640 GS 05640		E S
	030	RW08R	TF	FO	0.3	080.2		3.00				AT 04730		GY M
	040		CA	FB		080.2						AA 04871		M
	050	HELER	DF	FO								AA 07000		EY
	060	HELER	HM	FO		260.5			R			AA 07000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ASUNE	N381048.35	W1044705.08
DREXL	N381648.54	W1044720.22
GOYEP	N381708.41	W1043413.97
HELER	N381737.43	W1041303.92
OKDEE	N381700.97	W1043915.25
STANO	N381920.32	W1044949.29
VIGIL	N375603.37	W1043110.43

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08R	N381713.65	W1043036.23	04670	60

QUALITY
16
CHECKED

CITY AND STATE PUEBLO, CO	ELEVATION: 4729 TDZE: 4671	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 8R, AMDT 1, 05/26/2016	SUP:
	AIRPORT NAME: PUEBLO MEMORIAL	RNAV		AMDT: ORIG
				DATED: 06/27/2013

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION								
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.30 MILES AFTER HANCO NDB/INT/RADAR CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 360 AND ON GPT VORTAC R-298 TO STENN INT AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 700 THEN CLIMBING LEFT TURN TO 1800 ON PCU VOR/DME R-133 TO CLERY INT AND HOLD. WHEN AUTHORIZED BY ATC CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE CLERY INT, RT, 245.00 INBOUND. CHART FAS OBST: 139 TREE 302424N/0892727W 309 AAO 302644N/0892639W CHART R-4403A. CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. CHART CIRCLING ICON. CHART PCU VOR/DME R-110 AT HANCO NDB.				
CLERY INT	HANCO NDB/INT/RADAR	355.15 / 10.58	2000					
HANCO NDB/INT/RADAR	STENN INT	000.56 / 8.64	2000					
GPT VORTAC	STENN INT	298.13 / 22.58 (GPT R-298)	2000					
STENN INT (IF/IAF)	HANCO NDB/INT/RADAR	182.16 / 8.64 (I-HSA)	1500					
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-10								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N STENN, RT, 182.16 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 182.16 FAF: HANCO NDB/INT/RADAR DIST FAF TO MAP: 4.30 THLD: 4.30 4. MIN. ALT: HANCO NDB 1500, WUDGU INT 520* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1068 6. MIN GS INCPT: 1500 GS ALT AT: HANCO NDB 1460 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.2 8. MSA FROM: HANCO NDB 2800								
				MAG VAR: 2W EPOCH YEAR: 2020				
MINIMUMS								
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD # LOC: STANDARD @		
CATEGORY =====>	A		B		C		D	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 18	223	1/2	200	223	1/2	200	223	1/2
S-LOC 18	520	1/2	497	520	1/2	497	520	1
CIRCLING	520	1	497	520	1	497	820	2 1/2
← WUDGU FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED) →								
S-LOC 18	400	1/2	377	400	1/2	377	400	5/8
CIRCLING	480	1	457	480	1	457	520	1 1/2
NOTES: CHART NOTE: CIRCLING NA FOR CAT E W OF RWY 18-36. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LOC ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GULFPORT ALTIMETER SETTING: INCREASE DA (CONTINUED ON PAGE 2)								
CITY AND STATE		ELEVATION: 23 TDZE: 23		FACILITY IDENTIFIER: I-HSA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: ILS OR LOC RWY 18
BAY ST LOUIS, MS		AIRPORT NAME: STENNIS INTL				ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016		AMDT: 1A
								DATED 09/18/2014

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
TO 270 FT; INCREASE ALL MDA 60 FT AND S-LOC 18 CATS C/D/E VISIBILITY 1/8 MILE, CIRCLING CAT C VISIBILITY 1/8 MILE AND CATS D/E VISIBILITY 1/4 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CATS C/D/E VISIBILITY 1/8 MILE, AND CIRCLING CATS D/E VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 18 CAT E VISIBILITY TO 3/4 MILE, AND S-LOC 18 CATS C/D/E VISIBILITY TO 1 3/8 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CATS C/D/E VISIBILITY TO 1 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GULFPORT ALTIMETER SETTING, INCREASE S-ILS 18 CAT E VISIBILITY TO 3/4 MILE AND S-LOC 18 CAT E VISIBILITY TO 1 5/8 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CAT E VISIBILITY TO 1 1/4 MILE.
*580 WHEN USING GULFPORT ALTIMETER SETTING.

CITY AND STATE
BAY ST LOUIS, MS

ELEVATION: 23 TDZE: 23
AIRPORT NAME:
STENNIS INTL

FACILITY
IDENTIFIER:
I-HSA

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016

SUP: ILS OR LOC RWY 18
AMDT: 4
DATED: 09/18/2014

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 AIRPORT NAME: STENNIS INTL	TDZE: 23	FACILITY IDENTIFIER: I-HSA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016	SUP: ILS OR LOC RWY 18
					AMDT: CHECKED
					DATED: 09/18/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KHSA

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CLERY	010	CLERY	IF	FB										E
CLERY	020	HANCO	TF	FB								AA 02000		E
CLERY	030	STENN	TF	FO								AA 02000		EY
CLERY	040	STENN	HF	FO		182.2	IHSA		R			AA 02000		EE A
GPT	010	GPT	IF	FB										V
GPT	020	STENN	TF	FO								AA 02000		EY
GPT	030	STENN	HF	FO		182.2	IHSA		R			AA 02000		EE A
	010	STENN	IF	FB			IHSA					AA 02000 GI 01500		E I
	020	HANCO	CF	FB		182.0	IHSA	3.00		HS		GI 01500 GS 01460		E F
	030	RW18	CF	FO		182.0	IHSA	3.00				AT 00079		GY M
	040		CA	FB		182.2						AA 00700		M
	050		VI	FB		360.0			L					
	060	STENN	CF	FO		298.1	GPT					AA 02000		EY
	070	STENN	HM	FO		182.2			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
GPT	N302424.60	W0890436.40
CLERY	N301632.86	W0892552.21
STENN	N303544.26	W0892713.96
HANCO	N302704.81	W0892715.64
IHSA (LOC)	N302111.61	W0892716.78
HS	N302704.82	W0892719.85

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N302246.15	W0892716.47	00023	56

QUALITY
15
CHECKED

CITY AND STATE
BAY ST LOUIS, MS

ELEVATION: 23 TDZE: 23
AIRPORT NAME:
STENNIS INTL

FACILITY
IDENTIFIER:
I-HSA

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016

SUP: ILS OR LOC RWY 18

AMDT: 1A

DATED: 09/18/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
ARINC SUMMARY - KHSA ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CLERY	010	CLERY	IF	FB										E
CLERY	020	HANCO	TF	FB								AA 02000		E
CLERY	030	STENN	TF	FO								AA 02000		EY
CLERY	040	STENN	HF	FO		182.2	IHSA		R			AA 02000		EE A
GPT	010	GPT	IF	FB										V
GPT	020	STENN	TF	FO								AA 02000		EY
GPT	030	STENN	HF	FO		182.2	IHSA		R			AA 02000		EE A
	010	STENN	IF	FB			IHSA					AA 02000		E I
	020	HANCO	CF	FB		182.0	IHSA			HS		AA 01500		E F
	021	WUDGU	CF	FB		182.0	IHSA	3.12				AA 00520		E S
	030	RW18	CF	FO		182.0	IHSA	3.12				AT 00079		GY M
	040		CA	FB		182.2						AA 00700		M
	050		VI	FB		360.0			L					
	060	STENN	CF	FO		298.1	GPT					AA 02000		EY
	070	STENN	HM	FO		182.2			R			AA 02000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
GPT			N302424.60			W0890436.40								
CLERY			N301632.86			W0892552.21								
STENN			N303544.26			W0892713.96								
HANCO			N302704.81			W0892715.64								
WUDGU			N302434.40			W0892716.12								
IHSA (LOC)			N302111.61			W0892716.78								
HS			N302704.82			W0892719.85								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW18		N302246.15		W0892716.47		00023		56.2						

QUALITY
15
CHECKED

CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23	FACILITY IDENTIFIER: I-HSA	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016	SUP: ILS OR LOC RWY 18
	AIRPORT NAME: STENNIS INTL			AMDT: 1A
	DATED: 09/18/2014			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: 4.30 MILES AFTER HS NDB								
PCU VOR/DME			HS NDB			109.69 / 15.70			1800		CLIMBING LEFT TURN TO 1800 DIRECT HS NDB AND HOLD. ↑								
CAESA INT			HS NDB			219.44 / 12.20			1800										
GPT VORTAC			HS NDB			275.82 / 19.83			1800										
CLERY INT			HS NDB			355.14 / 10.58			1800										
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-10										ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.35 INBOUND. CHART FAS OBST: 290 TOWER 302546N/0892546W CHART R-4403A. CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. HS NDB TO RW18: 3.12/53.0. CHART CIRCLING ICON.									
										1. PT <u>L</u> SIDE OF COURSE <u>001.35</u> OUTBOUND <u>1800</u> FT WITHIN <u>15</u> MILES OF <u>HS NDB</u> (IAF) 2. _____ 3. FAC <u>181.35</u> FAF <u>HS NDB</u> DIST FAF TO MAP <u>4.30</u> THLD _____ 4. MIN. ALT <u>HS NDB 1500</u> 8. MSA FROM: <u>HS NDB 2800</u>									
										MAG VAR: 2W EPOCH YEAR: 2020									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD @											
CATEGORY =====>		A		B		C		D		E									
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
S-18		600	3/4	577	600	3/4	577	600	1 1/4	577	600	1 1/4	577	600	1 1/4	577			
CIRCLING		600	1	577	600	1	577	600	1 5/8	577	820	2 1/2	797	820	2 3/4	797			
NOTES: CHART NOTE: PROCEDURE NA WHEN R4403B AND R4403E ARE ACTIVE. CHART NOTE: CIRCLING NA FOR CAT E W OF RWY 18-36. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GULFPORT ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND INCREASE S-18 CAT C/D/E AND CIRCLING CAT C VISIBILITY 1/8 MILE AND CIRCLING (CONTINUED ON PAGE 2)																			
CITY AND STATE BAY ST LOUIS, MS		ELEVATION: 23		TDZE: 23		FACILITY IDENTIFIER: HS ↑		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 18, AMDT 2, 05/26/2016						SUP					
		AIRPORT NAME: STENNIS INTL		AMDT 1A															
				DATE 08/30/2007															



**NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CAT D/E VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE CAT C/D/E VISIBILITY TO 1 5/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GULFPORT ALTIMETER, INCREASE CAT C/D/E VISIBILITY TO 1 3/4 MILE.

QUALITY
24
CHECKED

CITY AND STATE

BAY ST LOUIS, MS

ELEVATION: 23

TDZE: 23

AIRPORT NAME:

STENNIS INTL

FACILITY
IDENTIFIER:

HS



PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 18, AMDT 2, 05/26/2016

SUP:

AMDT: 1A

DATED: 08/30/2007

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31073](#); Amdt. No. [3693](#)]

**Standard Instrument Approach Procedures, and Takeoff Minimums
and Obstacle Departure Procedures; Miscellaneous Amendments**

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: This rule establishes, amends, suspends, or removes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures (ODPs) for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications

listed in the regulations is approved by the Director of the Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: Availability of matters incorporated by reference in the amendment is as follows:

For Examination

1. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001.

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:
http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability

All SIAPs and Takeoff Minimums and ODPs are available online free of charge. Visit the National Flight Data Center at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Thomas J. Nichols, Flight Procedure Standards Branch (AFS-420), Flight Technologies and Programs Divisions, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd. Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082, Oklahoma City, OK 73125) Telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION:

This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or removes SIAPS, Takeoff Minimums and/or ODPS. The complete regulatory description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part §97.20. The applicable FAA forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

The large number of SIAPs, Takeoff Minimums and ODPs, their complex nature, and the need for a special format make publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each

SIAP, Takeoff Minimums and ODP listed on FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs, Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure, and the amendment number.

Availability and Summary of Material Incorporated by Reference

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPS, Takeoff Minimums and/or ODPS as identified in the amendatory language for part 97 of this final rule.

The Rule

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as Amended in the transmittal. Some SIAP and Takeoff Minimums and textual ODP amendments may have been issued previously by the FAA in a Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts.

The circumstances that created the need for some SIAP and Takeoff Minimums and ODP amendments may require making them effective in less than 30 days. For the remaining SIAPs and Takeoff Minimums and ODPs, an effective date at least 30 days after publication is provided.

Further, the SIAPs and Takeoff Minimums and ODPs contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these SIAPs and Takeoff Minimums and ODPs, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPs, and safety in air commerce, I find that notice and public procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C 553(d), good cause exists for making some SIAPs effective in less than 30 days.

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore--(1) is not a "significant regulatory action" under Executive Order 12866;(2) is not a "significant rule" under DOT Regulatory Policies and Procedures (44 FR 11034; February 26,1979) ; and (3)does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference,
Navigation (Air).

Issued in Washington, DC on [APRIL 22, 2016](#)

A handwritten signature in black ink, appearing to read "John S. Duncan", with a long horizontal flourish extending to the right.

John S. Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or removing Standard Instrument Approach Procedures and/or Takeoff Minimums and Obstacle Departure Procedures effective at 0901 UTC on the dates specified, as follows:

Part 97—Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(f), 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

Effective 26 MAY 2016

Aniak, AK, Aniak, ILS/DME RWY 10, Amdt 7E, CANCELED
 Aniak, AK, Aniak, ILS OR LOC RWY 11, Orig
 Aniak, AK, Aniak, LOC/DME RWY 10, Amdt 3D, CANCELED
 Aniak, AK, Aniak, NDB/DME RWY 29, Amdt 4
 Aniak, AK, Aniak, RNAV (GPS) RWY 11, Amdt 1
 Aniak, AK, Aniak, RNAV (GPS) RWY 29, Amdt 2
 Aniak, AK, Aniak, Takeoff Minimums and ODP, Amdt 3
 Los Angeles, CA, Los Angeles Intl, ILS OR LOC RWY 24L, Amdt 26C
 Los Angeles, CA, Los Angeles Intl, RNAV (GPS) Y RWY 24L, Amdt 4
 Los Angeles, CA, Los Angeles Intl, RNAV (RNP) Z RWY 24L, Amdt 1D
 Ontario, CA, Ontario Intl, ILS OR LOC RWY 8L, Amdt 9B
 Ontario, CA, Ontario Intl, ILS OR LOC RWY 26R, Amdt 4A
 Ontario, CA, Ontario Intl, RNAV (GPS) RWY 8R, Amdt 1C
 Ontario, CA, Ontario Intl, RNAV (GPS) Y RWY 8L, Amdt 1D
 Ontario, CA, Ontario Intl, RNAV (GPS) Y RWY 26L, Amdt 1B
 Ontario, CA, Ontario Intl, RNAV (GPS) Y RWY 26R, Amdt 1B
 Ontario, CA, Ontario Intl, RNAV (RNP) Z RWY 8L, Orig-D
 Ontario, CA, Ontario Intl, RNAV (RNP) Z RWY 26L, Orig-D
 Ontario, CA, Ontario Intl, RNAV (RNP) Z RWY 26R, Orig-D
 Ontario, CA, Ontario Intl, Takeoff Minimums and Obstacle DP, Amdt 9
 Pagosa Springs, CO, Stevens Field, RNAV (GPS) RWY 1, Orig
 Pagosa Springs, CO, Stevens Field, RNAV (GPS)-A, Amdt 1, CANCELED
 Tallahassee, FL, Tallahassee Intl, RNAV (GPS) RWY 18, Amdt 2
 Tallahassee, FL, Tallahassee Intl, RNAV (GPS) RWY 36, Amdt 2
 Pohnpei Island, FM, Pohnpei Intl, RNAV (RNP) Y RWY 9, Amdt 1
 Pohnpei Island, FM, Pohnpei Intl, RNAV (RNP) Z RWY 9, Amdt 1
 Metter, GA, Metter Muni, RNAV (GPS) RWY 10, Amdt 1
 Metter, GA, Metter Muni, RNAV (GPS) RWY 28, Amdt 1
 Sioux City, IA, Sioux Gateway/Col Bud Day Field, ILS OR LOC RWY 13, Amdt 2C
 Sioux City, IA, Sioux Gateway/Col Bud Day Field, ILS OR LOC RWY 31, Amdt 25D
 Sioux City, IA, Sioux Gateway/Col Bud Day Field, RNAV (GPS) RWY 13, Orig-D
 Sioux City, IA, Sioux Gateway/Col Bud Day Field, RNAV (GPS) RWY 17, Amdt 1
 Sioux City, IA, Sioux Gateway/Col Bud Day Field, RNAV (GPS) RWY 31, Orig-D
 Sioux City, IA, Sioux Gateway/Col Bud Day Field, RNAV (GPS) RWY 35, Orig
 Sioux City, IA, Sioux Gateway/Col Bud Day Field, Takeoff Minimums and Obstacle DP, Amdt 3A
 Belleville, IL, Scott AFB/MidAmerica, ILS OR LOC RWY 14L, Orig-G
 Belleville, IL, Scott AFB/MidAmerica, ILS OR LOC RWY 14R, Orig-F
 Belleville, IL, Scott AFB/MidAmerica, ILS OR LOC RWY 32R, Orig-H
 Belleville, IL, Scott AFB/MidAmerica, ILS OR LOC/DME RWY 32L, Amdt 2
 Belleville, IL, Scott AFB/MidAmerica, RADAR-1, Orig
 Belleville, IL, Scott AFB/MidAmerica, RNAV (GPS) RWY 14L, Orig-A
 Belleville, IL, Scott AFB/MidAmerica, RNAV (GPS) RWY 14R, Orig-E

Belleville, IL, Scott AFB/MidAmerica, RNAV (GPS) RWY 32L, Orig-E
 Belleville, IL, Scott AFB/MidAmerica, RNAV (GPS) RWY 32R, Orig-C
 Belleville, IL, Scott AFB/MidAmerica, TACAN RWY 14R, Amdt 1B
 Belleville, IL, Scott AFB/MidAmerica, TACAN RWY 32L, Amdt 1B
 Belleville, IL, Scott AFB/MidAmerica, TACAN-A, Orig
 Terre Haute, IN, Sky King, RNAV (GPS)-A, Orig
 Terre Haute, IN, Sky King, Takeoff Minimums and Obstacle DP, Amdt 4
 Caro, MI, Tuscola Area, RNAV (GPS) RWY 6, Amdt 1
 Caro, MI, Tuscola Area, RNAV (GPS) RWY 24, Amdt 1
 Caro, MI, Tuscola Area, Takeoff Minimums and Obstacle DP, Amdt 2
 Caro, MI, Tuscola Area, VOR/DME-A, Amdt 6
 Forsyth, MT, Tillitt Field, NDB RWY 27, Amdt 5
 Forsyth, MT, Tillitt Field, RNAV (GPS) RWY 27, Amdt 2
 Forsyth, MT, Tillitt Field, Takeoff Minimums and Obstacle DP, Amdt 1
 Miles City, MT, Frank Wiley Field, RNAV (GPS) RWY 4, Amdt 3
 Miles City, MT, Frank Wiley Field, RNAV (GPS) RWY 13, Orig
 Miles City, MT, Frank Wiley Field, RNAV (GPS) RWY 22, Amdt 1
 Miles City, MT, Frank Wiley Field, RNAV (GPS) RWY 31, Orig
 Miles City, MT, Frank Wiley Field, Takeoff Minimums and Obstacle DP, Amdt 1
 Miles City, MT, Frank Wiley Field, VOR RWY 4, Amdt 13
 Miles City, MT, Frank Wiley Field, VOR/DME RWY 22, Amdt 9
 Minot, ND, Minot Intl, LOC/DME BC RWY 13, Amdt 8A
 Newport, NH, Parlin Field, RNAV (GPS)-A, Orig
 Newport, NH, Parlin Field, Takeoff Minimums and Obstacle DP, Orig
 Caldwell, NJ, Essex County, LOC RWY 22, Amdt 4
 Caldwell, NJ, Essex County, RNAV (GPS) RWY 22, Amdt 2
 Moriarty, NM, Moriarty, RNAV (GPS) RWY 8, Orig
 Moriarty, NM, Moriarty, RNAV (GPS) RWY 26, Orig
 Moriarty, NM, Moriarty, Takeoff Minimums and Obstacle DP, Orig
 Elko, NV, Elko Rgnl, GPS RWY 5, Orig, CANCELED
 Elko, NV, Elko Rgnl, LDA/DME RWY 24, Amdt 6
 Elko, NV, Elko Rgnl, RNAV (GPS) RWY 6, Orig
 Elko, NV, Elko Rgnl, RNAV (GPS) RWY 24, Amdt 1
 Elko, NV, Elko Rgnl, Takeoff Minimums and Obstacle DP, Amdt 6
 Elko, NV, Elko Rgnl, VOR-A, Amdt 6
 Elko, NV, Elko Rgnl, VOR/DME-B, Amdt 5
 Reno, NV, Reno/Tahoe Intl, ILS RWY 16R, Amdt 10F, CANCELED
 Reno, NV, Reno/Tahoe Intl, ILS X OR LOC X RWY 16R, Orig
 Reno, NV, Reno/Tahoe Intl, ILS Y RWY 16R, Orig
 Reno, NV, Reno/Tahoe Intl, ILS Z OR LOC Z RWY 16R, Orig
 Reno, NV, Reno/Tahoe Intl, LOC RWY 16R, Amdt 7, CANCELED
 Reno, NV, Reno/Tahoe Intl, LOC Y RWY 16R, Orig
 White Plains, NY, Westchester County, ILS OR LOC RWY 16, ILS RWY 16 (SA CAT I), ILS RWY 16 (CAT II), Amdt 25A

Dayton, OH, James M Cox Dayton Intl, ILS OR LOC RWY 6L, ILS RWY 6L (CAT II), ILS RWY 6L (CAT III), Amdt 10

Dayton, OH, James M Cox Dayton Intl, ILS OR LOC RWY 24L, Amdt 10

Dayton, OH, James M Cox Dayton Intl, ILS OR LOC RWY 24R, Amdt 10

Dayton, OH, James M Cox Dayton Intl, RNAV (GPS) Z RWY 24R, Amdt 2

Fostoria, OH, Fostoria Metropolitan, NDB RWY 27, Amdt 5A, CANCELED

Norman, OK, University of Oklahoma Westheimer, ILS OR LOC RWY 18, Amdt 2

Norman, OK, University of Oklahoma Westheimer, LOC RWY 3, Amdt 4

Norman, OK, University of Oklahoma Westheimer, RNAV (GPS) RWY 3, Amdt 2B

Norman, OK, University of Oklahoma Westheimer, RNAV (GPS) RWY 18, Amdt 2

Norman, OK, University of Oklahoma Westheimer, RNAV (GPS) RWY 36, Orig-B

Oklahoma City, OK, Sundance Airpark, LOC RWY 17, Orig-F, CANCELED

Tipton, OK, Tipton Muni, GPS RWY 17, Orig-A, CANCELED

Tipton, OK, Tipton Muni, VOR/DME RWY 17, Orig-B, CANCELED

Tulsa, OK, Richard Lloyd Jones Jr, RNAV (GPS) RWY 19R, Orig

Klamath Falls, OR, Crater Lake-Klamath Rgnl, HI ILS OR LOC RWY 32, Amdt 6

Klamath Falls, OR, Crater Lake-Klamath Rgnl, HI TACAN RWY 14, Amdt 3A

Klamath Falls, OR, Crater Lake-Klamath Rgnl, HI TACAN RWY 32, Amdt 5

Erie, PA, Erie Intl/Tom Ridge Field, ILS OR LOC RWY 6, Amdt 18

Erie, PA, Erie Intl/Tom Ridge Field, ILS OR LOC RWY 24, Amdt 10

Erie, PA, Erie Intl/Tom Ridge Field, NDB RWY 6, Amdt 2, CANCELED

Erie, PA, Erie Intl/Tom Ridge Field, NDB RWY 24, Amdt 20

Hazleton, PA, Hazleton Rgnl, RNAV (GPS) RWY 10, Amdt 2

Hazleton, PA, Hazleton Rgnl, RNAV (GPS) RWY 28, Amdt 1

Martin, SD, Martin Muni, GPS RWY 32, Orig-C, CANCELED

Martin, SD, Martin Muni, RNAV (GPS) RWY 32, Orig

Martin, SD, Martin Muni, Takeoff Minimums and Obstacle DP, Orig

Beaumont/Port Arthur, TX, Jack Brooks Rgnl, VOR-A, Amdt 6B, CANCELED

Beaumont/Port Arthur, TX, Jack Brooks Rgnl, VOR-B, Amdt 6B, CANCELED

Beaumont/Port Arthur, TX, Jack Brooks Rgnl, VOR-C, Amdt 5B, CANCELED

Beaumont/Port Arthur, TX, Jack Brooks Rgnl, VOR/DME-D, Amdt 2A, CANCELED

Corpus Christi, TX, Corpus Christi Intl, ILS OR LOC RWY 13, Amdt 28

Corpus Christi, TX, Corpus Christi Intl, LOC RWY 31, Amdt 9

Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) X RWY 31, Orig

Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) Y RWY 13, Amdt 2

Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) Y RWY 31, Amdt 4

Corpus Christi, TX, Corpus Christi Intl, RNAV (RNP) Z RWY 13, Amdt 1

Corpus Christi, TX, Corpus Christi Intl, RNAV (RNP) Z RWY 31, Amdt 1

Corpus Christi, TX, Corpus Christi Intl, Takeoff Minimums and Obstacle DP, Amdt 3

Mineola, TX, Mineola Wisener Field, VOR-A, Amdt 6

Terrell, TX, Terrell Muni, Takeoff Minimums and Obstacle DP, Amdt 1

Cheyenne, WY, Cheyenne Rgnl/Jerry Olson Field, ILS OR LOC RWY 27, Amdt 35

Cheyenne, WY, Cheyenne Rgnl/Jerry Olson Field, NDB RWY 27, Amdt 15A, CANCELED

RESCINDED: On March 24, 2016 (81 FR 15630), the FAA published an Amendment in Docket No. 31067, Amdt No. 3687, to Part 97 of the Federal Aviation Regulations, under section 97.20 and 97.33. The following entries for Morris, IL effective May 26, 2016, are hereby rescinded in their entirety:

Morris, IL, Morris Muni - James R Washburn Field, RNAV (GPS) RWY 18, Amdt 1

Morris, IL, Morris Muni - James R Washburn Field, RNAV (GPS) RWY 36, Amdt 2

Morris, IL, Morris Muni - James R Washburn Field, Takeoff Minimums and Obstacle DP, Amdt 1

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
				ADDITIONAL FLIGHT DATA:			
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF) 2. ____ 3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____ 4. MIN. ALT: ____ 5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____ 6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____ 7. GS ANGLE: ____ TCH: ____ 8. MSA FROM: ____				MAG VAR: _____ EPOCH YEAR: _____			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			
CATEGORY ==>							
	DH/MDA	VIS		DH/MDA	VIS		
NOTES:							
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016							
CITY AND STATE ANIAK, AK		ELEVATION: 88 TDZE: 88 AIRPORT NAME: ANIAK		FACILITY IDENTIFIER: I-ANI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS/DME RWY 10, AMDT 7E, 11/13/2014	
						SUP: AMDT: 7C DATED 03/15/2007	

QUALITY
6
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: ZUSEK/I-ANI 1.71 DME									
ANI NDB				IKUFU/I-ANI 11.09 DME				291.55 / 8.89				3200		CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3200 DIRECT ANI NDB AND HOLD.									
CUKFA/I-ANI 22.00 DME (IAF)				IKUFU/I-ANI 11.09 DME (NOPT)				063.54 / 7.52 (HDG) & 109.18 / 4.93 (I-ANI)				3200											
IKUFU/I-ANI 11.09 DME (IF/IAF)				ANORE/I-ANI 5.96 DME				109.18 / 5.13				1700											
														ADDITIONAL FLIGHT DATA: HOLD SW, RT, 038.96 INBOUND. CHART FAS OBST: 546 TREE 613631N/1593829W CHART (CFFLD) AT INTERSECTION OF CUKFA DR LEG AND INTERMEDIATE COURSE. CHART CIRCLING ICON.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																							
2. HOLD W IKUFU, LT, 109.18 INBOUND, 3200 FT. IN LIEU OF PT (IAF)																							
3. FAC: 109.18 FAF: ANORE/I-ANI 5.96 DME DIST FAF TO MAP: 4.25 THLD: 4.87																							
4. MIN. ALT: IKUFU 3200, ANORE 1700																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 999																							
6. MIN GS INCPT: 1700 GS ALT AT: ANORE 1700 OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 52.3																							
8. MSA FROM: ANI NDB 4800														MAG VAR: 12E EPOCH YEAR: 2020									
MINIMUMS																							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: #		LOC: STANDARD @											
CATEGORY =====>		A			B			C			D			E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
S-ILS 11	346	3/4	250	346	3/4	250	346	3/4	250	346	3/4	250											
S-LOC 11	800	3/4	704	800	3/4	704	800	1 3/4	704	800	1 3/4	704											
CIRCLING	800	1	704	800	1	704	860	2 1/4	764	1200	3	1104											
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS ALL CATS AND S-LOC CATS A AND B. CHART NOTE: CIRCLING NA NORTH OF RWY 11-29. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: ADF REQUIRED. (CONTINUED ON PAGE 2)																							
CITY AND STATE ANIAK, AK				ELEVATION: 96 TDZE: 96 AIRPORT NAME: ANIAK				FACILITY IDENTIFIER: I-ANI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 11, ORIG 26 MAY 2016				SUP: AMDT: NONE DATED									

QUALITY
2
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART PROFILE NOTE: ILS UNUSABLE FROM I-ANI 1.71 DME INBOUND.
CHART NOTE: FOR INOPERATIVE MALSF, INCREASE S-LOC RWY 11 CAT D VISIBILITY TO 2 MILE.



CITY AND STATE ANIAC, AK	ELEVATION: 96 AIRPORT NAME: ANIAC	TDZE: 96	FACILITY IDENTIFIER: I-ANI	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 11, ORIG 26 MAY 2016	SUP:
					AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - PANI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ANI	010	ANI	IF	FB										N
ANI	020	IKUFU	TF	FO								AA 03200		EY
ANI	030	IKUFU	HF	FO		109.2	IANI		L			AA 03200		EE A
CUKFA	010	CUKFA	IF	FB										E A
CUKFA	020	CFFLD	TF	FB								AA 03200		E
CUKFA	030	IKUFU	CF	FB		109.2	IANI					AA 03200		EE B
	010	IKUFU	IF	FB			IANI					AA 03200 GI 01700		E I
	020	ANORE	CF	FB		109.0	IANI	3.00		ANI		GI 01700 GS 01700		E F
	030	RW11	CF	FO		109.0	IANI	3.00				AT 00148		GY M
	040		CA	FB		109.2						AA 01300		M
	050	ANI	DF	FO					R			AA 03200		NY
	060	ANI	HM	FO		039.0			R			AA 03200		NE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IANI (DME)	N613437.02	W1593129.26
ANI	N613524.56	W1593552.41
ANORE	N613739.69	W1594212.14
CFFLD	N614248.74	W1600019.04
CUKFA	N614057.22	W1601537.16
IKUFU	N614017.62	W1595125.01
IANI (LOC)	N613435.69	W1593132.53

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW11	N613509.02	W1593328.01	00096	52.3

QUALITY
15
CHECKED

CITY AND STATE
ANIAK, AK

ELEVATION: **96** TDZE: **96**
AIRPORT NAME:
ANIAK

FACILITY
IDENTIFIER:
I-ANI

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 11, ORIG
26 MAY 2016

SUP:
AMDT: **NONE**
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - PANI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ANI	010	ANI	IF	FB										N
ANI	020	IKUFU	TF	FO								AA 03200		EY
ANI	030	IKUFU	HF	FO		109.2	IANI		L			AA 03200		EE A
CUKFA	010	CUKFA	IF	FB										E A
CUKFA	020	CFFLD	TF	FB								AA 03200		E
CUKFA	030	IKUFU	CF	FB		109.2	IANI					AA 03200		EE B
	010	IKUFU	IF	FB			IANI					AA 03200		E I
	020	ANORE	CF	FB		109.0	IANI			ANI		AA 01700		E F
	030	ZUSEK	CF	FO		109.0	IANI	3.01				AT 00346		EY M
	040		CA	FB		109.2						AA 01300		M
	050	ANI	DF	FO					R			AA 03200		NY
	060	ANI	HM	FO		039.0			R			AA 03200		NE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IANI (DME)	N613437.02	W1593129.26
ANI	N613524.56	W1593552.41
ANORE	N613739.69	W1594212.14
CFFLD	N614248.74	W1600019.04
CUKFA	N614057.22	W1601537.16
IKUFU	N614017.62	W1595125.01
ZUSEK	N613528.36	W1593435.09
IANI (LOC)	N613435.69	W1593132.53

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW11	N613509.02	W1593328.01	00096	52.3

QUALITY
15
CHECKED

CITY AND STATE
ANIAK, AK

ELEVATION: **96** TDZE: **96**
AIRPORT NAME:
ANIAK

FACILITY
IDENTIFIER:
I-ANI

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 11, ORIG
26 MAY 2016

SUP:
AMDT: **NONE**
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE			ALTITUDE		MAP: ZAKEV/I-ANI 0.40 DME						
ANI NDB		IHTUD/I-ANI 5.04 DME			097.59 / 7.28			3200		CLIMBING LEFT TURN TO 2300 ON 219 BEARING FROM ANI NDB THEN CLIMB TO 3000 DIRECT ANI NDB AND HOLD.						
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 038.96 INBOUND. CHART FAS OBST: 337 TREE 613516N/1592921W IHTUD TO RW28: 3.03/52. CHART CIRCLING ICON. CHART MAXIMUM 6000 AT IHTUD. FAC CROSSES RWY C/L EXTENDED 685 FT FROM THLD.						
1. PT <u>R</u> SIDE OF COURSE <u>097.59</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>IHTUD</u> (IAF)																
2.																
3. FAC <u>277.59</u> FAF <u>IHTUD/I-ANI 5.04 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.14</u>																
4. MIN. ALT <u>IHTUD/I-ANI 5.04 DME 1800</u>																
8. MSA FROM: <u>ANI NDB 4900</u>										MAG VAR: <u>14E</u>					EPOCH YEAR: <u>2015</u>	
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: <u>N A</u>		STANDARD @							
CATEGORY =====>		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-29		640	1	544	640	1	544	640	1 5/8	544	640	1 5/8	544			
CIRCLING		640	1	544	640	1	544	860	2 1/4	764	1200	3	1104			
NOTES: CHART NOTE: SIMULTANEOUS RECEPTION OF ANI NDB AND I-ANI DME REQUIRED. CHART NOTE: CIRCLING NA NORTH OF RWY 11-29. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																
@ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT C 800-2 1/4, CAT D 1200-3																
QUALITY 5 CHECKED																
CITY AND STATE ANI AK, AK		ELEVATION: 96 AIRPORT NAME: ANI AK			TDZE: 96			FACILITY IDENTIFIER: ANI			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB/DME RWY 29, AMDT 4 26 MAY 2016			SUP NDB/DME RWY 28 AMDT 3A DATE 06/27/2013		

**NDB/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
5
CHECKED

CITY AND STATE

ANIAK, AK

ELEVATION: 96

TDZE: 96

AIRPORT NAME:

ANIAK

FACILITY
IDENTIFIER:

ANI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB/DME RWY 29, AMDT 4

26 MAY 2016

SUP: NDB/DME RWY 28

AMDT: 3A

DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB/DME

INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KMGM

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ANI	010	ANI	IF											N
ANI	020	IHTUD	TF	FB								AA AB 0600003200		E
ANI	030	IHTUD	PI	FB		142.6	ANI		L			AA 02400		EE A
	020	IHTUD	IF									AA 01800		E F
	030	ZAKEV	CF	FO		097.8	ANI					AT 00277		EY M
	040		CA			219.0						AA 02300		M
	050	ANI	DF	FO								AA 03000		NY
	060	ANI	HM	FO		039.0			R			AA 03000		NE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ANI	N61352456	W159355241
IHTUD	N61324356	W159214370
ZAKEV	N61342634	W159304435

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW29	N61343842	W159314197	00096	52

QUALITY
15
CHECKED

CITY AND STATE:

ANIAK, AK

ELEVATION: 96 TDZE: 96
AIRPORT NAME:

ANIAK

FACILITY
IDENTIFIER:

ANI

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

NDB/DME RWY 29, AMDT 4
26 MAY 2016

SUP: NDB/DME RWY 28

AMDT: 3A

DATED: 06/27/2013

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW11 CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3200 DIRECT IKUFU AND HOLD. ADDITIONAL FLIGHT DATA: CHART 609 TREE 613652N/1593719W. DISTANCE TO THLD FROM 250 HATH: 0.62 NM. CHART VDP AT 2.22 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 45838 REFERENCE PATH ID: W11A CHART CIRCLING ICON. LTP HAE: 39.7 M					
CABOT		SUWWO (FB)			033.10 / 30.61				4000							
ANI NDB		IKUFU (FO)			291.55 / 8.89				3200							
SUWWO (IAF)		IKUFU (NOPT) (FB)			018.81 / 8.00				3200							
NUBDY (IAF)		IKUFU (NOPT) (FB)			199.05 / 8.30				3200							
IKUFU (IF/IAF)		ANORE (FB)			108.92 / 5.13				1700							
ANORE (FAF)		CALIL/3.50 NM TO RW11			109.05 / 1.37											
CALIL		RW11 (MAP) (FO)			109.05 / 3.50											
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W IKUFU, LT, 108.92 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: 109.05 FAF: ANORE DIST FAF TO MAP: 4.87 THLD: 4.87 4. MIN. ALT: IKUFU 3200, ANORE 1700, CALIL/3.50 NM TO RW11 1260* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: ANORE 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 52.3 8. MSA FROM: RW11 4800																
											MAG VAR: 12E			EPOCH YEAR: 2020		
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD @						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	346	1	250	346	1	250	346	1	250	346	1	250				
LNAV/VNAV DA	935	3	839	935	3	839	935	3	839	935	3	839				
LNAV MDA	860	1	764	860	1	764	860	2	764	860	2	764				
CIRCLING	860	1	764	860	1 1/4	764	860	2 1/2	764	1200	3	1104				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ CAT C 800-2 1/2, CAT D 1200-3 CHART NOTE: CIRCLING NA NORTH OF RWY 11-29. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 96 TDZE: 96			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP: RNAV (GPS) RWY 10			
ANIAK, AK		AIRPORT NAME: ANIAK						RNAV (GPS) RWY 11, AMDT 1 26 MAY 2016					AMDT: ORIG			
													DATED 03/22/2001			

QUALITY
 6
 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PANI
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	613509.0170N
LTP/FTP LONGITUDE	1593328.0100W
LTP/FTP ELLIPSOIDAL HEIGHT	+00397
FPAP LATITUDE	613422.9940N
FPAP LONGITUDE	1593048.5795W
THRESHOLD CROSSING HEIGHT (TCH)	00052.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 D5814226

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00292
FPAP ORTHOMETRIC HEIGHT	+00292

QUALITY
6
CHECKED

CITY AND STATE ANIAK, AK	ELEVATION: 96 AIRPORT NAME: ANIAK	TDZE: 96 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 10
				AMDT: ORIG
				DATED: 03/22/2001

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																																																																				
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RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES											MISSED APPROACH				
FROM	TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW29 CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3500 DIRECT APWIS AND HOLD. ADDITIONAL FLIGHT DATA: FAS OBST: 299 AAO 613203N/1592500W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 1.29 MILES TO RW29* *LNAV ONLY. WAAS CHANNEL # 86538 REFERENCE PATH ID: W29A CHART CIRCLING ICON CHART APT ELEV 95.9 CHART TDZE 95.8 LTP HAE: 39.7 M						
ANI NDB	APWIS (FO)			107.52 / 13.11			3500								
EBSIH (IAF)	APWIS (NOPT) (FB)			249.94 / 10.15			3500								
CERGU (IAF)	APWIS (NOPT) (FB)			346.26 / 9.60			3500								
APWIS (IF/IAF)	HAFRU (FB)			289.50 / 6.13			1700								
HAFRU (FAF)	RW29 (MAP) (FO)			289.33 / 4.87			1400								
RW29 (MAP)	1400 MSL			289.33			1400								
1400 MSL	APWIS (FO)						3500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E APWIS, RT, 289.50 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 289.33 FAF: HAFRU DIST FAF TO MAP: 4.87 THLD: 4.87 4. MIN. ALT: APWIS 3500, HAFRU 1700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: HAFRU 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR 8. MSA FROM: RW29 4900											MAG VAR: 12E EPOCH YEAR: 2020				
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	346	1	250	346	1	250	346	1	250	346	1	250			
LNAV/VNAV DA	468	1 1/4	372	468	1 1/4	372	468	1 1/4	372	468	1 1/4	372			
LNAV MDA	560	1	464	560	1	464	560	1 3/8	464	560	1 3/8	464			
CIRCLING	560	1	464	560	1	464	860	2 1/4	764	1200	3	1104			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: CIRCLING NA NORTH OF RWY 11-29. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EBSIH ON V508 SOUTHEAST BOUND.															
CITY AND STATE ANIAK, AK			ELEVATION: 96 TDZE: 96 AIRPORT NAME: ANIAK			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 2 26 MAY 2016				SUP: RNAV (GPS) RWY 28 AMDT: 1 DATED 07/07/2005			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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QUALITY
5
CHECKED

CITY AND STATE ANIAK, AK	ELEVATION: 96 AIRPORT NAME: ANIAK	TDZE: 96	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 2 26 MAY 2016	SUP: RNAV (GPS) RWY 28
					AMDT: 1
					DATED: 07/07/2005

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PANI
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	613438.4185N
LTP/FTP LONGITUDE	1593141.9660W
LTP/FTP ELLIPSOIDAL HEIGHT	+00397
FPAP LATITUDE	613524.4170N
FPAP LONGITUDE	1593421.4505W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A2F46DA8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00292
FPAP ORTHOMETRIC HEIGHT	+00292

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CITY AND STATE ANIAK, AK	ELEVATION: 96 AIRPORT NAME: ANIAK	TDZE: 96	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 2 26 MAY 2016	SUP: RNAV (GPS) RWY 28
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					DATED: 07/07/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																															
ARINC SUMMARY - PANI ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>ANI</td><td>010</td><td>ANI</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>N</td></tr> <tr><td>ANI</td><td>020</td><td>APWIS</td><td>TF</td><td>FO</td><td>2.0</td><td>107.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 03500</td><td></td><td>EY</td></tr> <tr><td>ANI</td><td>030</td><td>APWIS</td><td>HF</td><td>FO</td><td></td><td>289.5</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03500</td><td></td><td>EE A</td></tr> <tr><td>CERGU</td><td>010</td><td>CERGU</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>CERGU</td><td>020</td><td>APWIS</td><td>TF</td><td>FB</td><td>1.0</td><td>346.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 03500</td><td></td><td>EE B</td></tr> <tr><td>EBSIH</td><td>010</td><td>EBSIH</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>EBSIH</td><td>020</td><td>APWIS</td><td>TF</td><td>FB</td><td>1.0</td><td>249.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 03500</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>APWIS</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 03500</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>HAFRU</td><td>TF</td><td>FB</td><td>0.5</td><td>289.5</td><td></td><td></td><td></td><td>RW29</td><td></td><td>AA 01700</td><td></td><td>E F</td></tr> <tr><td></td><td>030</td><td>RW29</td><td>TF</td><td>FO</td><td>0.3</td><td>289.3</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 00148</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>289.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 01400</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>APWIS</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td>L</td><td></td><td></td><td>AA 03500</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>APWIS</td><td>HM</td><td>FO</td><td></td><td>289.5</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03500</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; 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CITY AND STATE ANIAK, AK		ELEVATION: 96 TDZE: 96 AIRPORT NAME: ANIAK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 2 26 MAY 2016		SUP: RNAV (GPS) RWY 28 AMDT: 1 DATED: 07/07/2005																																																																																																																																																																																																																																																			

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
ANIAK, AK	ANIAK	26 MAY 2016	3

TAKEOFF MINIMUMS:

RWY 11: STANDARD.
RWY 29: STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 800 OR 2500-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 11: CLIMB HEADING 109.18 TO 2000 THEN CLIMBING RIGHT TURN DIRECT ANI NDB BEFORE PROCEEDING ON COURSE.
RWY 29: CLIMB HEADING 289.20 TO 2200 BEFORE TURNING NORTHEAST BOUND.

VISUAL CLIMB OVER AIRPORT:

RWY 29: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS ANIAK AIRPORT AT OR ABOVE 2400 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11: CATENARY AND POLES ABEAM DER, 391 FT RIGHT OF CENTERLINE, 28 FT AGL/118 FT MSL. FENCE BEGINNING ABEAM DER, 321 FT RIGHT OF CENTERLINE, UP TO 8 FT AGL/100 FT MSL. VEHICLE ON ROAD ABEAM DER, 215 FT RIGHT OF CENTERLINE, UP TO 110 FT MSL. VEHICLE ON ROAD ABEAM DER, 351 FT LEFT OF CENTERLINE, UP TO 105 FT MSL. POLES BEGINNING 374 FT FROM DER, 481 FT LEFT OF CENTERLINE, UP TO 38 FT AGL/133 FT MSL. TOWER 360 FT FROM DER, 444 FT RIGHT OF CENTERLINE, 71 FT AGL/142 FT MSL. TREES BEGINNING 39 FT FROM DER, 392 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/155 FT MSL. TREES BEGINNING 98 FT FROM DER, 238 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/164 FT MSL. BUILDINGS BEGINNING 153 FT FROM DER, 282 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/112 FT MSL. BUILDINGS BEGINNING 85 FT FROM DER, 423 FT LEFT OF CENTERLINE, UP TO 27 FT AGL/120 FT MSL.
NOTE: RWY 29: VEHICLE ON ROAD BEGINNING 5 FT FROM DER, 358 FT RIGHT OF CENTERLINE, 15 FT AGL/104 FT MSL. TREES BEGINNING 9 FT FROM DER, 168 FT RIGHT OF CENTERLINE, UP TO 47 FT AGL/141 FT MSL. TREES BEGINNING 761 FT FROM DER, 463 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/141 FT MSL. TREES BEGINNING 2.0 NM FROM DER, 958 FT RIGHT OF CENTERLINE, UP TO 52 FT AGL/467 FT MSL. TREES BEGINNING 2.3 NM FROM DER, 2380 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/609 FT MSL. TREES BEGINNING 2.5 NM FROM DER, 3487 FT RIGHT OF CENTERLINE, UP TO 28 FT AGL/592 FT MSL. TREES BEGINNING 2.7 NM FROM DER, FROM 313 FT LEFT TO 742 FT LEFT OF CENTERLINE, UP TO 42 FT AGL/546 FT MSL.

CONTROLLING OBSTACLES:

RWY 29: 609 FT MSL TREE, 613652.16N/1593718.67W (CLIMB GRADIENT).
RWY 29 (VCOA): 879 FT MSL TREE 613650.89N/1592814.52W, 3570 FT MSL AAO 614003.00N/1591031.00W.
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 11, 29: 3570 FT MSL AAO 614003.00N/1591031.00W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
ANIAK, AK	ANIAK	26 MAY 2016	3

REMARKS:

MAGVAR CHANGE FROM 18E 2000 TO 12E 2020. ADDED VCOA TO RWY 29 DEPARTURE.

FLIGHT INSPECTED BY:

Digitally signed by

BILL SETTLEMIRE **ALLAN WILL** FICO

04/13/2016

Apr 18, 2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by

RALPH DUMAR **RALPH DUMAR** AJV-5432

1/07/2016

Jan 19, 2016

APPROVED BY:

Digitally signed by

LONNIE EVERHART **ALLAN WILL** AJV-5430

Apr 18, 2016

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA,

CHANGES:

1. RENUMBERED RWY 10 TO 11 AND RWY 28 TO 29.
2. RWY 29: ADDED TAKEOFF MINIMUMS 275 FT PER NM TO 800.
3. RWY 11, 29: ADDED ROUTE DEPARTURES.
4. RWY 11, 29: ADDED CLOSE-IN OBSTACLES.
5. RWY 29: ADDED VCOA INSTRUCTIONS AND TAKEOFF MINIMUMS.

REASONS:

1. MAGVAR CHANGE.
2. TO CLEAR 609 FT MSL TREE, 613652.16N/1593718.67W.
3. TO CLEAR 3570 FT MSL AAO, 614003.00N/1591031.00W
4. PER 8260.46E, APPENDIX D.
5. DUE TO OBSTACLE PENETRATIONS MORE THAN 3 SM FROM DEPARTURE END OF RUNWAY PER 8260.46E.

QUALITY
3
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE		ALTITUDE		ILS: DA LOC: 6.37 MILES AFTER SUTIE/I-HQB 8.28 DME/RADAR OR AT I-HQB 1.91 DME FIX							
PURMS/SLI 21.13 DME/RADAR (IAF)		JULLI/I-HQB 16.18 DME/RADAR		150.00 / 9.00 (SLI R-330) (LAX LR-057)		4000		CLIMB TO 2000 ON HEADING 251.00 AND ON LAX VORTAC R-260 TO RAFFS/LAX 15.12 DME/RADAR AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 ON HEADING 251.00 AND SMO VOR/DME R-233 TO EXERT INT/SMO 20.99 DME AND HOLD NE, RT, 232.90 INBOUND. ADDITIONAL FLIGHT DATA: HOLD E, LT, 260.00 INBOUND. DO NOT CHART ALTERNATE MISSED APPROACH HOLDING CHART FAS OBST: 306 OL WSK ON BLDG 335650N/1182258W CHART VDP AT 2.88 DME* DISTANCE VDP TO THLD 0.97 MILES. *LOC ONLY. CHART (JINAN) AT INTERSECTION OF RIIVR DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: EXERT INT/SMO 20.99 DME. FAS OBST: 419 AAO 335723N/1181900W CHART IN PLANVIEW: KHHW RWYS.							
SLI VORTAC (IAF)		JULLI/I-HQB 16.18 DME/RADAR		330.00 / 12.13		4000									
SMO VOR/DME (IAF)		SAPPI INT/SMO 16.00 DME/RADAR		068.00 / 16.00		5000									
SAPPI INT/SMO 16.00 DME/RADAR		JULLI/I-HQB 16.18 DME/RADAR		150.00 / 3.94 (SLI R-330) (LAX LR-057)		4000									
SEAVU/JLI 67.31 DME/RADAR (IAF)		SHURL INT/I-HQB 40.24 DME/RADAR		278.17 / 8.15 (POM R-098)		10000									
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 12E EPOCH YEAR: 2020					
2. PROFILE STARTS AT PFILA/I-HQB 37.30 DME/RADAR															
3. FAC: 251.00 FAF: SUTIE/I-HQB 8.28 DME/RADAR DIST FAF TO MAP: 6.37 THLD: 6.37															
4. MIN. ALT: PFILA 10000, SALWA 9000, WLNUT 8000, HURLR 7000, JULLI 4000, BOUBY 4000, SUTIE 2200, (SEE FORM 8260-10)															
5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ 150 HAT: _____ - _____ 100 HAT: _____ - _____ GS ANT: 1025															
6. MIN GS INCPT: 2200 GS ALT AT: SUTIE 2200 OM: _____ - _____ MM: _____ - _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 59.0															
8. MSA FROM: LAX VORTAC 060-190 2700, 190-300 4400, 300-060 7700															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		ILS: STANDARD		LOC: STANDARD					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 24L	323	4000	200	323	4000	200	323	4000	200	323	4000	200			
S-LOC 24L	500	5500	377	500	5500	377	500	5500	377	500	5500	377			
SIDESTEP 24R	700	5500	583	700	5500	583	700	1 1/4	583	700	1 1/4	583			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 24R CATS A/B. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGS AND ILS GLIDEPATH NOT COINCIDENT. (CONTINUED ON PAGE 2)															
CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 AIRPORT NAME: LOS ANGELES INTL		TDZE: 24L 123 TDZE: 24R 122		FACILITY IDENTIFIER: I-HQB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24L, AMDT 26C, 05/26/2016				SUP: AMDT: 26B DATED 07/24/2014			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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LINE 4, (CONT.):

CORTY/I-HQB 3.71 DME/RADAR 700*

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RIIVR/LAX 49.00 DME/RADAR (IAF)	SHURL INT/I-HQB 40.24 DME/RADAR	260.00 / 4.84 (HDG) & 251.00 / 4.28 (I-HQB)	10000
SHURL INT/I-HQB 40.24 DME/RADAR	PFILA/I-HQB 37.30 DME/RADAR	251.00 / 2.94 (I-HQB)	10000
PFILA/I-HQB 37.30 DME/RADAR	SALWA/I-HQB 33.70 DME/RADAR	251.00 / 3.60 (I-HQB)	9000
SALWA/I-HQB 33.70 DME/RADAR	WLNUT/I-HQB 30.10 DME/RADAR	251.00 / 3.60 (I-HQB)	8000
WLNUT/I-HQB 30.10 DME/RADAR	HURLR/I-HQB 26.50 DME/RADAR	251.00 / 3.60 (I-HQB)	7000
HURLR/I-HQB 26.50 DME/RADAR	JULLI/I-HQB 16.18 DME/RADAR	251.00 / 10.32 (I-HQB)	4000
JULLI/I-HQB 16.18 DME/RADAR (IF)	BOUBY/I-HQB 13.93 DME/RADAR	251.00 / 2.25 (I-HQB)	4000
BOUBY/I-HQB 13.93 DME/RADAR	SUTIE/I-HQB 8.28 DME/RADAR	251.00 / 5.65 (I-HQB)	2200

NOTES, (CONT.):

*LOC ONLY

CHART PLAINVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT SMO VOR/DME VIA V-107 WESTBOUND. PROCEDURE NA FOR ARRIVAL ON SLI VORTAC AIRWAY RADIALS 272 CW 319. PROCEDURE NA FOR ARRIVALS AT PURMS VIA V-186 NORTHWEST BOUND.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH HHR 25.

QUALITY
6
CHECKED

CITY AND STATE

LOS ANGELES, CA

ELEVATION: 128

AIRPORT NAME:

LOS ANGELES INTL

TDZE: 24L 123
TDZE: 24R 122

FACILITY
IDENTIFIER:
I-HQB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 24L, AMDT 26C, 05/26/2016

SUP:

AMDT: 26B

DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KLAX

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PURMS	010	PURMS	IF	FB										E A
PURMS	020	JULLI	TF	FB								AA 04000		E B
PURMS	030	BOUBY	CF	FB		251.0	IHQB		R			AA 04000		EE
RIIVR	010	RIIVR	IF	FB										E A
RIIVR	020	JINAN	TF	FB								AA 10000		E
RIIVR	030	SHURL	TF	FB								AA 10000		E
RIIVR	040	PFILA	TF	FB								AA 10000		E
RIIVR	050	SALWA	TF	FB								AA 09000		E
RIIVR	060	WLNUT	TF	FB								AA 08000		E
RIIVR	070	HURLR	TF	FB								AA 07000		E
RIIVR	080	JULLI	TF	FB								AA 04000		E B
RIIVR	090	BOUBY	CF	FB		251.0	IHQB					AA 04000		EE
SEAVU	010	SEAVU	IF	FB										E A
SEAVU	020	SHURL	TF	FB								AA 10000		E
SEAVU	030	PFILA	TF	FB								AA 10000		E
SEAVU	040	SALWA	TF	FB								AA 09000		E
SEAVU	050	WLNUT	TF	FB								AA 08000		E
SEAVU	060	HURLR	TF	FB								AA 07000		E
SEAVU	070	JULLI	TF	FB								AA 04000		E B
SEAVU	080	BOUBY	CF	FB		251.0	IHQB					AA 04000		EE
SLI	010	SLI	IF	FB										V A
SLI	020	JULLI	TF	FB								AA 04000		E B
SLI	030	BOUBY	CF	FB		251.0	IHQB					AA 04000		EE
SMO	010	SMO	IF	FB										V A
SMO	020	SAPPI	TF	FB								AA 05000		E
SMO	030	JULLI	TF	FB								AA 04000		E B
SMO	040	BOUBY	CF	FB		251.0	IHQB		R			AA 04000		EE
	010	BOUBY	IF	FB			IHQB					AA 04000 GI 02200		E I
	020	SUTIE	CF	FB		251.0	IHQB	3.00		LAX		GI 02200 GS 02200		E F
	030	RW24L	CF	FO		251.0	IHQB	3.00				AT 00172		GY M
	040		VI	FB		251.0								M
	050	RAFFS	CF	FO		260.0	LAX					AA 02000		EY
	060	RAFFS	HM	FO		260.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE

QUALITY
28
CHECKED

CITY AND STATE LOS ANGELES, CA	ELEVATION: 128	TDZE: 24L 123	FACILITY IDENTIFIER: I-HQB	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 24L, AMDT 26C, 05/26/2016	SUP:
	AIRPORT NAME: LOS ANGELES INTL	TDZE: 24R 122			AMDT: 26B
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																					
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CITY AND STATE LOS ANGELES, CA	ELEVATION: 128 AIRPORT NAME: LOS ANGELES INTL	TDZE: 24L 123 TDZE: 24R 122 I-HQB	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 24L, AMDT 26C, 05/26/2016	SUP: AMDT: 26B DATED: 07/24/2014																																																																																																																																				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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ARINC SUMMARY - KLAX

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PURMS	010	PURMS	IF	FB										E A
PURMS	020	JULLI	TF	FB								AA 04000		E B
PURMS	030	BOUBY	CF	FB		251.0	IHQB		R			AA 04000		EE
RIIVR	010	RIIVR	IF	FB										E A
RIIVR	020	JINAN	TF	FB								AA 10000		E
RIIVR	030	SHURL	TF	FB								AA 10000		E
RIIVR	040	PFILA	TF	FB								AA 10000		E
RIIVR	050	SALWA	TF	FB								AA 09000		E
RIIVR	060	WLNUT	TF	FB								AA 08000		E
RIIVR	070	HURLR	TF	FB								AA 07000		E
RIIVR	080	JULLI	TF	FB								AA 04000		E B
RIIVR	090	BOUBY	CF	FB		251.0	IHQB					AA 04000		EE
SEAVU	010	SEAVU	IF	FB										E A
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SEAVU	030	PFILA	TF	FB								AA 10000		E
SEAVU	040	SALWA	TF	FB								AA 09000		E
SEAVU	050	WLNUT	TF	FB								AA 08000		E
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SEAVU	080	BOUBY	CF	FB		251.0	IHQB					AA 04000		EE
SLI	010	SLI	IF	FB										V A
SLI	020	JULLI	TF	FB								AA 04000		E B
SLI	030	BOUBY	CF	FB		251.0	IHQB					AA 04000		EE
SMO	010	SMO	IF	FB										V A
SMO	020	SAPPI	TF	FB								AA 05000		E
SMO	030	JULLI	TF	FB								AA 04000		E B
SMO	040	BOUBY	CF	FB		251.0	IHQB		R			AA 04000		EE
	010	BOUBY	IF	FB			IHQB					AA 04000		E I
	020	SUTIE	CF	FB		251.0	IHQB			LAX		AA 02200		E F
	021	CORTY	CF	FB		251.0	IHQB	3.00				AA 00700		E S
	030	RW24L	CF	FO		251.0	IHQB	3.00				AT 00172		GY M
	040		VI	FB		251.0								M
	050	RAFFS	CF	FO		260.0	LAX					AA 02000		EY
	060	RAFFS	HM	FO		260.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE

QUALITY
28
CHECKED

CITY AND STATE

LOS ANGELES, CA

ELEVATION: 128

TDZE: 24L 123

AIRPORT NAME:

TDZE: 24R 122

LOS ANGELES INTL

FACILITY
IDENTIFIER:

1-HQB

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24L, AMDT 26C, 05/26/2016

SUP:

AMDT:

26B

DATED:

07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

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LAX	N335559.33	W1182555.24
SLI	N334659.87	W1180317.12
SMO	N340036.88	W1182724.18
IHQB (DME)	N335649.92	W1182622.77
PURMS	N340726.40	W1180952.37
BOUBY	N335827.94	W1180944.83
CORTY	N335713.85	W1182157.13
HURLR	N335957.33	W1175444.42
JINAN	N340202.32	W1173312.30
JULLI	N335844.08	W1180703.59
PFILA	N340112.69	W1174150.18
RAFFS	N335717.23	W1184401.90
RIIVR	N340142.17	W1172723.82
SALWA	N340047.72	W1174608.30
SAPPI	N340232.62	W1180817.37
SEAVU	N335820.69	W1172918.55
SHURL	N340132.99	W1173819.14
SUTIE	N335747.14	W1181629.60
WLNUT	N340022.60	W1175026.38
IHQB (LOC)	N335646.75	W1182622.25

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24L	N335700.70	W1182406.01	00113	59

QUALITY
28
CHECKED

CITY AND STATE
LOS ANGELES, CA

ELEVATION: 128 TDZE: 24L 123
AIRPORT NAME: TDZE: 24R 122
LOS ANGELES INTL

FACILITY
IDENTIFIER:
1-HQB

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24L, AMDT 26C, 05/26/2016

SUP:
AMDT: 26B
DATED: 07/24/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW24L CLIMB TO 2000 DIRECT JAKOS AND ON TRACK 263.16 TO RAFFS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 262.00 INBOUND. CHART FAS OBST: 389 ATCT 335638N/1182414W DISTANCE TO THLD FROM 348 HAT: 0.94 NM. WAAS CHANNEL # 56407 REFERENCE PATH ID: W24B CHART IN PLANVIEW: KHHH RWYS. LTP HAE: -1.4 M								
SLI VORTAC (IAF)		JULLI (FB)		333.00 / 12.13		4000										
SEAVU (IAF)		SHURL (FB)		281.17 / 8.15		10000										
RIIVR (IAF)		SHURL (FB)		257.09 / 9.08		10000										
SHURL		PFILA (FB)		251.43 / 2.94		10000										
PFILA		SALWA (FB)		251.39 / 3.60		9000										
SALWA		WLNUT (FB)		251.35 / 3.60		8000										
WLNUT		HURLR (FB)		251.31 / 3.60		7000										
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT JULLI																
3. FAC: 251.07 FAF: SUTIE DIST FAF TO MAP: 6.37 THLD: 6.37																
4. MIN. ALT: JULLI 4000, SUTIE 2200, CORTY/1.95 NM TO RW24L 740*																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 2200 GS ALT AT: SUTIE 2200 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: 59.0 34:1 IS CLEAR																
8. MSA FROM: RW24L 7700																
MAG VAR: 12E EPOCH YEAR: 2020																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD							
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		471	6000	348	471	6000	348	471	6000	348	471	6000	348			
LNAV/VNAV DA		608	1 5/8	485	608	1 5/8	485	608	1 5/8	485	608	1 5/8	485			
LNAV MDA		660	5500	537	660	5500	537	660	1 1/2	537	660	1 1/2	537			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SLI VORTAC AIRWAY RADIALS 272 CW 075. *LNAV ONLY (CONTINUED ON PAGE 2)																
CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 TDZE: 123 AIRPORT NAME: LOS ANGELES INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 24L, AMDT 4, 05/26/2016				SUP: 4 AMDT: 03A DATED 03/03/2016			QUALITY CHECKED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD					
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
HURLR		JULLI (FB)	251.27 / 10.32	4000	
JULLI (IF)		SUTIE (FB)	251.16 / 7.90	2200	
SUTIE (FAF)		CORTY/1.80 NM TO RW24L	251.07 / 4.57		
CORTY/1.80 NM TO RW24L		RW24L (MAP) (FO)	251.07 / 1.80		
RW24L (MAP)		471 MSL	251.07		
471 MSL		JAKOS (FB)			
JAKOS		RAFFS (FO)	263.16 / 10.96	2000	
NOTES, (CONT.):					
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.					
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH HHR 25.					
CHART NOTE: LNAV ONLY APPROACH NA DURING SIMULTANEOUS OPERATIONS.					
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE DURING SIMULTANEOUS OPERATIONS.					
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).					
CITY AND STATE		ELEVATION: 128	TDZE: 123	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
LOS ANGELES, CA		AIRPORT NAME:		RNAV	RNAV (GPS) Y RWY 24L, AMDT 4, 05/26/2016
		LOS ANGELES INTL			
				SUP:	4
				AMDT:	3A
				DATED:	03/03/2016

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLAX
RUNWAY	RW24L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24B
LTP/FTP LATITUDE	335700.7000N
LTP/FTP LONGITUDE	1182406.0070W
LTP/FTP ELLIPSOIDAL HEIGHT	-00014
FPAP LATITUDE	335649.9310N
FPAP LONGITUDE	1182551.1700W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0032
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	C86E9A18

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00345
FPAP ORTHOMETRIC HEIGHT	+00345

CITY AND STATE
LOS ANGELES, CA

ELEVATION: 128 TDZE: 123
AIRPORT NAME:
LOS ANGELES INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 24L, AMDT 4, 05/26/2016

SUP: 4
AMDT: 34
DATED: 03/03/2016

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KLAX

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RIIVR	010	RIIVR	IF	FB										E A
RIIVR	020	SHURL	TF	FB	1.0	257.1						AA 10000		E
RIIVR	030	PFILA	TF	FB	1.0	251.4						AA 10000		E
RIIVR	040	SALWA	TF	FB	1.0	251.4						AA 09000		E
RIIVR	050	WLNUT	TF	FB	1.0	251.4						AA 08000		E
RIIVR	060	HURLR	TF	FB	1.0	251.3						AA 07000		E
RIIVR	070	JULLI	TF	FB	1.0	251.3						AA 04000		EE B
SEAVU	010	SEAVU	IF	FB										E A
SEAVU	020	SHURL	TF	FB	1.0	281.2						AA 10000		E
SEAVU	030	PFILA	TF	FB	1.0	251.4						AA 10000		E
SEAVU	040	SALWA	TF	FB	1.0	251.4						AA 09000		E
SEAVU	050	WLNUT	TF	FB	1.0	251.4						AA 08000		E
SEAVU	060	HURLR	TF	FB	1.0	251.3						AA 07000		E
SEAVU	070	JULLI	TF	FB	1.0	251.3						AA 04000		EE B
SLI	010	SLI	IF	FB										V A
SLI	020	JULLI	TF	FB	1.0	333.0						AA 04000		EE B
	010	JULLI	IF	FB								AA 04000		E I
	020	SUTIE	TF	FB	1.0	251.2				RW24L		AA 02200		E F
	021	CORTY	TF	FB	0.3	251.1		3.00				AA 00740 GS 00745		E S
	030	RW24L	TF	FO	0.3	251.1		3.00				AT 00172		GY M
	040		CA	FB		251.1						AA 00471		M
	050	JAKOS	DF	FB										E
	060	RAFFS	TF	FO	1.0	263.2						AA 02000		EY
	070	RAFFS	HM	FO		262.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
SLI	N334659.87	W1180317.12
CORTY	N335713.85	W1182157.13
HURLR	N335957.33	W1175444.42
JAKOS	N335618.66	W1183054.70
JULLI	N335844.08	W1180703.59
PFILA	N340112.69	W1174150.18
RAFFS	N335717.23	W1184401.90
RIIVR	N340142.17	W1172723.82
SALWA	N340047.72	W1174608.30

QUALITY
6
CHECKED

CITY AND STATE LOS ANGELES, CA	ELEVATION: 128 TDZE: 123	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 24L, AMDT 4, 05/26/2016	SUP:
	AIRPORT NAME: LOS ANGELES INTL			AMDT: 3A
				DATED: 03/03/2016

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																									
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SEAVU	N335820.69	W1172918.55																																											
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CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 AIRPORT NAME: LOS ANGELES INTL		TDZE: 123 FACILITY IDENTIFIER: RNAV																																									
PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 24L, AMDT 4, 05/26/2016		SUP: AMDT: 3A DATED: 03/03/2016																																											



RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES											MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE			ALTITUDE		RNP: DA CLIMB TO 2000 ON TRACK 251.07 TO JAKOS AND ON TRACK 263.16 TO RAFFS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 262.00 INBOUND. DISTANCE TO THLD FROM 428 HAT: 1.19 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH 172.2 MSL (DO NOT CHART)						
RIIVR (IAF)		SHURL (TF) (FB) (RNP 1.00)		257.09 / 9.08			10000								
SHURL		PFILA (TF) (FB) (RNP 1.00)		251.43 / 2.94			10000								
SEAVU (IAF)		PFILA (TF) (FB) (RNP 0.90)		273.42 / 10.80			10000								
PFILA		SALWA (TF) (FB) (RNP 0.90)		251.39 / 3.60			9000								
SALWA		WLNUT (TF) (FB) (RNP 0.90)		251.35 / 3.60			8000								
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HURLR _____ 3. FAC: <u>251.07</u> FAF: <u>SUTIE</u> DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: <u>HURLR 7000, JULLI 4000, SUTIE 2200</u> 5. DIST TO THLD FROM OM: <u>6.37</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>SUTIE 2200</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>59.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW24L 7800</u>															
											MAG VAR: 12E EPOCH YEAR: 2020				
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD						
CATEGORY ==>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.15 DA	551	1 3/8	428	551	1 3/8	428	551	1 3/8	428	551	1 3/8	428			
RNP 0.30 DA	594	1 5/8	471	594	1 5/8	471	594	1 5/8	471	594	1 5/8	471			
NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 4C (40F), OR ABOVE 49C (120F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 128 TDZE: 123		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: 4					
LOS ANGELES, CA		AIRPORT NAME: LOS ANGELES INTL				RNAV (RNP) Z RWY 24L, AMDT 1D, 05/26/2016				AMDT: 1C					
										DATED 07/24/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
WLNUT		HURLR (TF) (FB) (RNP 0.90)	251.31 / 3.60	7000	
HURLR		JULLI (TF) (FB) (RNP 0.90)	251.27 / 10.32	4000	
JULLI (IF)		SUTIE (TF) (FB) (RNP 0.90)	251.16 / 7.90	2200	
SUTIE (FAF)		RW24L (MAP) (TF) (FB)	251.07 / 6.37		
DA (MAP)		JAKOS (TF) (FO) (RNP 1.00)	251.07 / 5.71		
JAKOS (TF)		RAFFS (TF) (FO) (RNP 1.00)	263.16 / 10.96	2000	
NOTES, (CONT.):					
MILE.					
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH HHR 25.					
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.					
CHART IN PLANVIEW: KHHH RWYS.					
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}).					
CITY AND STATE		ELEVATION: 128	TDZE: 123	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
LOS ANGELES, CA		AIRPORT NAME:		RNAV	RNAV (RNP) Z RWY 24L, AMDT 1D, 05/26/2016
		LOS ANGELES INTL			
					SUP: 4
					AMDT: CHECKED
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KLAX

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RIIVR	010	RIIVR	IF	FB										E A
RIIVR	020	SHURL	TF	FB	1.0							AA 10000		E
RIIVR	030	PFILA	TF	FB	1.0							AA 10000		E
RIIVR	040	SALWA	TF	FB	0.9							AA 09000		E
RIIVR	050	WLNUT	TF	FB	0.9							AA 08000		E
RIIVR	060	HURLR	TF	FB	0.9							AA 07000		E
RIIVR	070	JULLI	TF	FB	0.9							AA 04000		EE B
SEAVU	010	SEAVU	IF	FB										E A
SEAVU	020	PFILA	TF	FB	0.9							AA 10000		E
SEAVU	030	SALWA	TF	FB	0.9							AA 09000		E
SEAVU	040	WLNUT	TF	FB	0.9							AA 08000		E
SEAVU	050	HURLR	TF	FB	0.9							AA 07000		E
SEAVU	060	JULLI	TF	FB	0.9							AA 04000		EE B
	010	JULLI	IF	FB								AA 04000		E I
	020	SUTIE	TF	FB	0.9					RW24L		AA 02200		E F
	030	RW24L	TF	FO	0.3			3.00				AT 00172		GY M
	040	JAKOS	TF	FO	1.0									EYM
	050	RAFFS	TF	FO	1.0							AA 02000		EY
	060	RAFFS	HM	FO		262.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HURLR	N335957.33	W1175444.42
JAKOS	N335618.66	W1183054.70
JULLI	N335844.08	W1180703.59
PFILA	N340112.69	W1174150.18
RAFFS	N335717.23	W1184401.90
RIIVR	N340142.17	W1172723.82
SALWA	N340047.72	W1174608.30
SEAVU	N335820.69	W1172918.55
SHURL	N340132.99	W1173819.14
SUTIE	N335747.14	W1181629.60
WLNUT	N340022.60	W1175026.38

RUNWAYS

QUALITY
15
CHECKED

CITY AND STATE LOS ANGELES, CA	ELEVATION: 128	TDZE: 123	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 24L, AMDT 1D	SUP:
	AIRPORT NAME: LOS ANGELES INTL			05/26/2016	AMDT: 1C
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE					
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33					
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	
RW24L	N335700.70	W1182406.01	00113	59.0	
CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 TDZE: 123 AIRPORT NAME: LOS ANGELES INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 24L, AMDT 1D 05/26/2016	 SUP: AMDT: 1C DATED: 07/24/2014

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 6.00 MILES AFTER NAROD INT CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 4000 DIRECT PDZ VORTAC THEN ON PDZ R-256 TO WISUP INT AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 6000 DIRECT HDF VOR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 256.38 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE HDF VOR, RT, 315.37 INBOUND. FAS OBST: 1180 AAO 340352N/1174121W CHART (CFBGD) AT INTERSECTION OF COVIN DR LEG AND INTERMEDIATE COURSE. CHART CIRCLING ICON.					
PDZ VORTAC		JALOT INT		285.52 / 16.34				4000							
COVIN INT (IAF)		JALOT INT (NOPT)		123.00 / 1.73 (HDG) & 077.96 / 2.64 (I-AOD)				4000							
JALOT INT (IF/IAF)		NAROD INT		077.96 / 3.62 (I-AOD)				2900							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W JALOT, RT, 077.96 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 077.96 FAF: NAROD INT DIST FAF TO MAP: 6.00 THLD: 6.00 4. MIN. ALT: JALOT 4000, NAROD 2900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 875 6. MIN GS INCPT: 2900 GS ALT AT: NAROD 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.2 8. MSA FROM: PDZ VORTAC 020-110 9000, 110-290 7000, 290-020 11300										MAG VAR: 12E		EPOCH YEAR: 2020			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD # LOC: STANDARD						
CATEGORY =====>		A		B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 08L*	1144	2400	200	1144	2400	200	1144	2400	200	1144	2400	200			
S-LOC 08L	1440	2400	496	1440	2400	496	1440	5000	496	1440	5000	496			
SIDESTEP 08R	1440	1	504	1440	1	504	1440	1 3/8	504	1440	1 3/8	504			
CIRCLING	1440	1	496	1440	1	496	1540	1 1/2	596	1600	2	656			
NOTES: CHART NOTE: CIRCLING NA NORTH OF RWY 08L-26R. # CAT D 700-2 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COVIN ON V264 WESTBOUND.															
CITY AND STATE ONTARIO, CA		ELEVATION: 944 AIRPORT NAME: ONTARIO INTL		TDZE: 08L 944 TDZE: 08R 936		FACILITY IDENTIFIER: I-AOD		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 8L, AMDT 9B 26 MAY 2016				SUP:			
												AMDT: 9A			
												DATED 08/21/2014			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
COVIN	010	COVIN	IF	FB										E A
COVIN	020	CFBGD	TF	FB								AA 04000		E
COVIN	030	JALOT	CF	FB		078.0	IAOD					AA 04000		EE B
PDZ	010	PDZ	IF	FB										V
PDZ	020	JALOT	TF	FO								AA 04000		EY
PDZ	030	JALOT	HF	FO		078.0	IAOD		R			AA 04000		EE A
	010	JALOT	IF	FB			IAOD					AA 04000 GI 02900		E I
	020	NAROD	CF	FB		078.0	IAOD	3.00		PDZ		GI 02900 GS 02900		E F
	030	RW08L	CF	FO		078.0	IAOD	3.00				AT 00989		GY M
	040		CA	FB		078.0						AA 01900		M
	050	PDZ	DF	FO								AA 04000		VY
	060	WISUP	TF	FO					R			AA 04000		EY
	070	WISUP	HM	FO		256.4			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PDZ	N335506.01	W1173147.99
COVIN	N340436.65	W1175324.62
WISUP	N335519.15	W1174308.07
CFBGD	N340323.36	W1175156.18
JALOT	N340323.81	W1174844.71
NAROD	N340324.30	W1174423.62
IAOD (LOC)	N340324.82	W1173445.07

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08L	N340324.76	W1173710.30	00944	45.2

QUALITY
15
CHECKED

CITY AND STATE
ONTARIO, CA

ELEVATION: **944** TDZE: **08L 944**
AIRPORT NAME: **ONTARIO INTL**
TDZE: **08R 936**

FACILITY
IDENTIFIER:
I-AOD

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 8L, AMDT 9B
26 MAY 2016

SUP:
AMDT: **9A**
DATED: **08/21/2014**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
COVIN	010	COVIN	IF	FB										E A
COVIN	020	CFBGD	TF	FB								AA 04000		E
COVIN	030	JALOT	CF	FB		078.0	IAOD					AA 04000		EE B
PDZ	010	PDZ	IF	FB										V
PDZ	020	JALOT	TF	FO								AA 04000		EY
PDZ	030	JALOT	HF	FO		078.0	IAOD		R			AA 04000		EE A
	010	JALOT	IF	FB			IAOD					AA 04000		E I
	020	NAROD	CF	FB		078.0	IAOD			PDZ		AA 02900		E F
	030	RW08L	CF	FO		078.0	IAOD	3.01				AT 00989		GY M
	040		CA	FB		078.0						AA 01900		M
	050	PDZ	DF	FO								AA 04000		VY
	060	WISUP	TF	FO					R			AA 04000		EY
	070	WISUP	HM	FO		256.4			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PDZ	N335506.01	W1173147.99
COVIN	N340436.65	W1175324.62
WISUP	N335519.15	W1174308.07
CFBGD	N340323.36	W1175156.18
JALOT	N340323.81	W1174844.71
NAROD	N340324.30	W1174423.62
IAOD (LOC)	N340324.82	W1173445.07

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08L	N340324.76	W1173710.30	00944	45.2

QUALITY
15
CHECKED

CITY AND STATE
ONTARIO, CA

ELEVATION: **944** TDZE: **08L 944**
AIRPORT NAME: **ONTARIO INTL**
TDZE: **08R 936**

FACILITY
IDENTIFIER:
I-AOD

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 8L, AMDT 9B
26 MAY 2016

SUP:
AMDT: **9A**
DATED: **08/21/2014**

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE			ALTITUDE		ILS: DA LOC: 5.99 MILES AFTER HIRUX INT/I-ONT 8.16 DME OR AT I-ONT 2.17 DME FIX CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 DIRECT PDZ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 258.00 INBOUND. CHART FAS OBST: 1054 TOWER 340309N/1173256W CHART: 1111 T-L TWR 340259N/1173157W CHART VDP AT 3.27 DME* DISTANCE VDP TO THLD 1.11 MILES. *LOC ONLY. CHART CIRCLING ICON.						
PDZ VORTAC (IAF)		HIGRO INT			045.99 / 11.13			5000								
HIGRO INT		PETIS NDB/INT/I-ONT 12.96 DME			317.61 / 3.28 (HDF R-318)			4200								
PETIS NDB/INT/I-ONT 12.96 DME (IF)		HIRUX INT/I-ONT 8.16 DME			257.98 / 4.80 (I-ONT)			2900								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT PETIS NDB/INT/I-ONT 12.96 DME 3. FAC: <u>257.98</u> FAF: <u>HIRUX INT/I-ONT 8.16 DME</u> DIST FAF TO MAP: <u>5.99</u> THLD: <u>5.99</u> 4. MIN. ALT: <u>PETIS NDB 4200, HIRUX 2900, WUNAK/I-ONT 4.17 DME 1620*</u> 5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ 150 HAT: _____ - _____ 100 HAT: _____ - _____ GS ANT: 1160 6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>HIRUX 2900</u> OM: _____ - _____ MM: _____ - _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>59.9</u> 8. MSA FROM: PDZ VORTAC 020-110 9000, 110-290 7000, 290-020 11300										MAG VAR: 12E		EPOCH YEAR: 2020				
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: #		LOC: STANDARD @					
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 26R	1132	1800	200	1132	1800	200	1132	1800	200	1132	1800	200				
S-LOC 26R	1620	2400	688	1620	2400	688	1620	1 1/2	688	1620	1 1/2	688				
SIDESTEP 26L	1620	5500	694	1620	5500	694	1620	1 1/2	694	1620	2	694				
CIRCLING	1620	1	676	1620	1	676	1620	2	676	1620	2 1/4	676				
NOTES: CHART NOTE: CIRCLING NA NORTH OF RWY 8L-26R. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LOC ONLY CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 26L CAT A/B. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 944		TDZE: 26R 932		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
ONTARIO, CA		AIRPORT NAME:		TDZE: 26L 926		I-ONT		ILS OR LOC RWY 26R, AMDT 4A				AMDT: 4				
		ONTARIO INTL						26 MAY 2016				DATED 04/30/2015				



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MINIMUMS CONT.

CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
WUNAK FIX MINIMUMS (DME REQUIRED)															
S-LOC 26R	1360	2400	428	1360	2400	428	1360	4000	428	1360	4000	428			
WUNAK FIX MINIMUMS (DME REQUIRED)															
CIRCLING	1400	1	456	1400	1	456	1540	1 1/2	596	1600	2	656			

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PDZ VORTAC AIRWAY RADIALS 012 CW 078.

CHART PLANVIEW NOTE: DISREGARD OM INDICATOR.

QUALITY
2
CHECKED

CITY AND STATE

ONTARIO, CA

ELEVATION: 944

AIRPORT NAME:

ONTARIO INTL

TDZE: 26R 932
 TDZE: 26L 926

FACILITY
 IDENTIFIER:
 I-ONT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 26R, AMDT 4A

26 MAY 2016

SUP:

AMDT: 4

DATED: 04/30/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PDZ	010	PDZ	IF	FB										V A
PDZ	020	HIGRO	TF	FB								AA 05000		E
PDZ	030	HIGRO	FC	FB		317.6	HDF					AA 04200		E
PDZ	040	PETIS	CF	FB		317.6	IONT					AA 04200		EE B
	010	PETIS	IF	FB			IONT					AA 04200 GI 02900		E I
	020	HIRUX	CF	FB		258.0	IONT	3.00		PDZ		GI 02900 GS 02900		E F
	030	RW26R	CF	FO		258.0	IONT	3.00				AT 00992		GY M
	040		CA	FB		258.0						AA 01700		M
	050	PDZ	DF	FO					L			AA 04000		VY
	060	PDZ	HM	FO		258.0			R			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HDF	N334634.78	W1171107.16
PDZ	N335506.01	W1173147.99
IONT (DME)	N340322.03	W1173733.66
PETIS	N340323.30	W1172158.01
HIGRO	N340029.85	W1172005.46
HIRUX	N340324.73	W1172744.44
IONT (LOC)	N340324.75	W1173734.63

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW26R	N340324.82	W1173457.19	00932	59.9

QUALITY
28
CHECKED

CITY AND STATE
ONTARIO, CA

ELEVATION: **944** TDZE: **26R 932**
AIRPORT NAME: **TDZE: 26L 926**
ONTARIO INTL

FACILITY
IDENTIFIER:
I-ONT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 26R, AMDT 4A
26 MAY 2016

SUP:
AMDT: **4**
DATED: **04/30/2015**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PDZ	010	PDZ	IF	FB										V A
PDZ	020	HIGRO	TF	FB								AA 05000		E
PDZ	030	HIGRO	FC	FB		317.6	HDF					AA 04200		E
PDZ	040	PETIS	CF	FB		317.6	IONT					AA 04200		EE B
	010	PETIS	IF	FB			IONT					AA 04200		E I
	020	HIRUX	CF	FB		258.0	IONT			PDZ		AA 02900		E F
	021	WUNAK	CF	FB		258.0	IONT	3.01				AA 01620		E S
	030	RW26R	CF	FO		258.0	IONT	3.01				AT 00992		GY M
	040		CA	FB		258.0						AA 01700		M
	050	PDZ	DF	FO					L			AA 04000		VY
	060	PDZ	HM	FO		258.0			R			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HDF	N334634.78	W1171107.16
PDZ	N335506.01	W1173147.99
IONT (DME)	N340322.03	W1173733.66
PETIS	N340323.30	W1172158.01
HIGRO	N340029.85	W1172005.46
HIRUX	N340324.73	W1172744.44
WUNAK	N340324.84	W1173232.76
IONT (LOC)	N340324.75	W1173734.63

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW26R	N340324.82	W1173457.19	00932	59.9

QUALITY
28
CHECKED

CITY AND STATE ONTARIO, CA	ELEVATION: 944 AIRPORT NAME: ONTARIO INTL	TDZE: 26R 932 TDZE: 26L 926	FACILITY IDENTIFIER: I-ONT	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 26R, AMDT 4A 26 MAY 2016	SUP:
					AMDT: 4
					DATED: 04/30/2015

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW08R CLIMB TO 3300 DIRECT HOYQU AND RIGHT TURN ON TRACK 172.28 TO PDZ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. CHART FAS OBST: 1188 ANT 340401N/1173912W DISTANCE TO THLD FROM 284 HAT: 0.72 NM. CHART VDP AT 1.42 MILES TO RW08R* *LNAV ONLY. WAAS CHANNEL # 70329 REFERENCE PATH ID: W08A DISTANCE FROM 284 HAT: 0.72 NM CHART CIRCLING ICON. LTP HAE: 252 M					
PDZ VORTAC		SEYKO (FB)		285.25 / 17.88				3800							
AMTRA (IAF)		SEYKO (NOPT) (FB)		082.43 / 13.96				3300							
LAHAB (IAF)		SEYKO (NOPT) (FB)		014.41 / 8.63				3300							
SEYKO (IF/IAF)		DEMPE (FB)		077.84 / 6.01				2800							
DEMPE (FAF)		RW08R (MAP) (FO)		077.91 / 5.59											
RW08R (MAP)		1220 MSL		077.91											
1220 MSL		HOYQU (FB)													
HOYQU		PDZ VORTAC (FO)		172.28 / 8.21				3300							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W SEYKO, RT, 077.84 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 077.91 FAF: DEMPE DIST FAF TO MAP: 5.59 THLD: 5.59 4. MIN. ALT: SEYKO 3300, DEMPE 2800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: DEMPE 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.2 34:1 IS CLEAR 8. MSA FROM: RW08R 11300										MAG VAR: 12E		EPOCH YEAR: 2020			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1220	4500	284	1220	4500	284	1220	4500	284	1220	4500	284			
LNAV/VNAV DA	1494	1 7/8	558	1494	1 7/8	558	1494	1 7/8	558	1494	1 7/8	558			
LNAV MDA	1440	5500	504	1440	5500	504	1440	1 3/8	504	1440	1 3/8	504			
CIRCLING	1440	1	496	1440	1	496	1540	1 1/2	596	1600	2	656			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (31F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: CIRCLING NA NORTH OF RWY 8L-26R. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PDZ VORTAC AIRWAY RADIALS 238 CW 012.															
CITY AND STATE		ELEVATION: 944 TDZE: 936				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
ONTARIO, CA		AIRPORT NAME: ONTARIO INTL						RNAV (GPS) RWY 8R, AMDT 1C 26 MAY 2016				AMDT: 1B			
												DATED 11/20/2008			

QUALITY
 22
 CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KONT
RUNWAY	RW08R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	340317.8465N
LTP/FTP LONGITUDE	1173658.4095W
LTP/FTP ELLIPSOIDAL HEIGHT	+02520
FPAP LATITUDE	340317.8900N
FPAP LONGITUDE	1173457.1900W
THRESHOLD CROSSING HEIGHT (TCH)	00053.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 665A1C34

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02853
FPAP ORTHOMETRIC HEIGHT	+02853

CITY AND STATE

ONTARIO, CA

ELEVATION: 944

TDZE: 936

AIRPORT NAME:

ONTARIO INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8R, AMDT 1C

26 MAY 2016

SUP:

AMDT:

DATED: 11/20/2008

 QUALITY
22
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																																																		
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CITY AND STATE ONTARIO, CA		ELEVATION: 944 TDZE: 936 AIRPORT NAME: ONTARIO INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 8R, AMDT 1C 26 MAY 2016			SUP: AMDT: 1B DATED: 11/20/2008																																																																																																																																																																																																																																																																					

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TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW08L CLIMB TO 4400 DIRECT CABUB AND ON TRACK 167.57 TO PDZ VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4700. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. CHART FAS OBST: 1219 TREE 340415N/1174130W DISTANCE TO THLD FROM 322 HAT: 0.87 NM. CHART VDP AT 1.54 MILES TO RW08L* *LNAV ONLY. WAAS CHANNEL # 45807 REFERENCE PATH ID: W08B CHART CIRCLING ICON. LTP HAE: 254.4 M							
ELMOO (IAF)		PECIN (NOPT) (FB)		090.37 / 11.67				4700									
PECIN (IF/IAF)		APIPE (FB)		077.83 / 6.01				2800									
APIPE (FAF)		RW08L (MAP) (FO)		077.90 / 5.60													
RW08L (MAP)		1266 MSL		077.90													
1266 MSL		CABUB (FB)															
CABUB		PDZ VORTAC (FO)		167.57 / 8.30				4700									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W PECIN, RT, 077.83 INBOUND, 4700 FT. IN LIEU OF PT (IAF) 3. FAC: 077.90 FAF: APIPE DIST FAF TO MAP: 5.60 THLD: 5.60 4. MIN. ALT: PECIN 4700, APIPE 2800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: APIPE 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.2 34:1 IS CLEAR 8. MSA FROM: RW08L 11300										MAG VAR: 12E		EPOCH YEAR: 2020					
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1266	3000	322	1266	3000	322	1266	3000	322	1266	3000	322					
LNAV/VNAV DA	1520	1 1/2	576	1520	1 1/2	576	1520	1 1/2	576	1520	1 1/2	576					
LNAV MDA	1480	2400	536	1480	2400	536	1480	5500	536	1480	5500	536					
CIRCLING	1480	1	536	1480	1	536	1540	1 1/2	596	1600	2	656					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: CIRCLING NA NORTH OF RWY 8L-26R. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ELMOO ON V186 WESTBOUND. (CONTINUED ON PAGE 2)																	
CITY AND STATE		ELEVATION: 944 TDZE: 944				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ONTARIO, CA		AIRPORT NAME:				RNAV		RNAV (GPS) Y RWY 8L, AMDT 1D				AMDT: 1C					
		ONTARIO INTL						26 MAY 2016				DATED 07/25/2013					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV VISIBILITY ALL CATS TO RVR 6000.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CITY AND STATE
ONTARIO, CA

ELEVATION: 944 TDZE: 944
AIRPORT NAME:
ONTARIO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 8L, AMDT 1D
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SUP:
AMDT: 1C
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QUALITY
22
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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KONT
RUNWAY	RW08L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08B
LTP/FTP LATITUDE	340324.7610N
LTP/FTP LONGITUDE	1173710.2965W
LTP/FTP ELLIPSOIDAL HEIGHT	+02544
FPAP LATITUDE	340324.8200N
FPAP LONGITUDE	1173457.1900W
THRESHOLD CROSSING HEIGHT (TCH)	00045.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

9901C0BE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02877
FPAP ORTHOMETRIC HEIGHT	+02877

CITY AND STATE

ONTARIO, CA

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 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 8L, AMDT 1D

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ELMOO	010	ELMOO	IF	FB										E A
ELMOO	020	PECIN	TF	FB	1.0	090.4						AA 04700		EE B
PECIN	010	PECIN	HF	FO		077.8			R			AA 04700		EE A
	010	PECIN	IF	FB								AA 04700		E I
	020	APIPE	TF	FB	1.0	077.8				RW08L		AA 02800		E F
	030	RW08L	TF	FO	0.3	077.9		3.00				AT 00989		GY M
	040		CA	FB		077.9						AA 01266		M
	050	CABUB	DF	FB										E
	060	PDZ	TF	FO	1.0	167.6						AA 04400		VY
	070	PDZ	HM	FO		260.0			R			AA 04400		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PDZ	N335506.01	W1173147.99
APIPE	N340324.34	W1174354.66
CABUB	N340324.80	W1173152.50
ELMOO	N340554.60	W1180452.53
PECIN	N340323.50	W1175109.02

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08L	N340324.76	W1173710.30	00944	45.2

CITY AND STATE ONTARIO, CA	ELEVATION: 944 TDZE: 944	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 8L, AMDT 1D 26 MAY 2016	SUP: 22
	AIRPORT NAME: ONTARIO INTL			AMDT: 1C
				DATED: 07/25/2013

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TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW26L CLIMB TO 4000 DIRECT AXOYO AND ON TRACK 173.50 TO LAKVE AND ON TRACK 099.63 TO PDZ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. CHART FAS OBST: 1112 TWR (05-0956) 340251N/1173203W CHART 1217 T-L TWR 340339N/1173128W. DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.39 MILES TO RW26L* WAAS CHANNEL # 90407 REFERENCE PATH ID: W26B 1979 AAO 340151N/1172824W CHART CIRCLING ICON LTP HAE: 249.1 M						
ACINS		DICEG (FB)		280.34 / 9.15				5300								
PDZ VORTAC		DICEG (FB)		053.94 / 10.83				5300								
DICEG (IAF)		EYIRA (FB)		339.64 / 3.81				4800								
EYIRA (IF)		BIRTE (FB)		258.13 / 6.00				2900								
BIRTE (FAF)		REYOV/2.70 NM TO RW26L (FB)		258.06 / 3.24												
REYOV/2.70 NM TO RW26L (SEE FORM 8260-10)		RW26L (MAP) (FO)		258.06 / 2.70												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT EYIRA 3. FAC: 258.06 FAF: BIRTE DIST FAF TO MAP: 5.94 THLD: 5.94 4. MIN. ALT: EYIRA 4800, BIRTE 2900, REYOV/2.70 NM TO RW26L 1820* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: BIRTE 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR 8. MSA FROM: RW26L 11300										MAG VAR: 12E EPOCH YEAR: 2020						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1176	2400	250	1176	2400	250	1176	2400	250	1176	2400	250				
LNAV/VNAV DA	1405	6000	479	1405	6000	479	1405	6000	479	1405	6000	479				
LNAV MDA	1420	2400	494	1420	2400	494	1420	5000	494	1420	5000	494				
CIRCLING	1420	1	476	1420	1	476	1540	1 1/2	596	1600	2	656				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LNAV ONLY (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 944 TDZE: 926				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
ONTARIO, CA		AIRPORT NAME: ONTARIO INTL						RNAV (GPS) Y RWY 26L, AMDT 1B 26 MAY 2016				AMDT: 1A				
												DATED 05/07/2009				

QUALITY
 22
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW26L (MAP)	1176 MSL	258.06	
1176 MSL	AXOYO (FB)		
AXOYO	LAKVE (FB)	173.50 / 5.14	
LAKVE	PDZ VORTAC (FO)	099.63 / 8.31	4000

NOTES, (CONT.):

CHART NOTE: CIRCLING NA NORTH OF RWY 8L-26R.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PDZ VORTAC AIRWAY RADIALS 012 CW 078.

CHART NOTE: PROCEDURE NA FOR ARRIVAL AT ACINS ON V283-587 SOUTHBOUND.

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE.

CITY AND STATE
ONTARIO, CA

ELEVATION: 944 TDZE: 926
AIRPORT NAME:
ONTARIO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 26L, AMDT 1B
26 MAY 2016

SUP:
AMDT: 1A
DATED: 05/07/2009

QUALITY
22
CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KONT
RUNWAY	RW26L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26B
LTP/FTP LATITUDE	340317.8900N
LTP/FTP LONGITUDE	1173457.1885W
LTP/FTP ELLIPSOIDAL HEIGHT	+02491
FPAP LATITUDE	340317.8500N
FPAP LONGITUDE	1173658.4100W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 C847A681

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02823
FPAP ORTHOMETRIC HEIGHT	+02823

CITY AND STATE

ONTARIO, CA

ELEVATION: 944

TDZE: 926

AIRPORT NAME:

ONTARIO INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 26L, AMDT 1B

26 MAY 2016

SUP:

AMDT:

DATED:

 QUALITY
22
CHECKED

1A

05/07/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ACINS	010	ACINS	IF	FB										E
ACINS	020	DICEG	TF	FB	2.0	280.3						AA 05300		E A
ACINS	030	EYIRA	TF	FB	1.0	339.6						AA 04800		EE B
PDZ	010	PDZ	IF	FB										V
PDZ	020	DICEG	TF	FB	2.0	053.9						AA 05300		E A
PDZ	030	EYIRA	TF	FB	1.0	339.6						AA 04800		EE B
	010	EYIRA	IF	FB								AA 04800		E I
	020	BIRTE	TF	FB	1.0	258.1				RW26L		AA 02900		E F
	021	REYOV	TF	FB	0.3	258.1		3.00				AA 01820 GS 01843		E S
	030	RW26L	TF	FO	0.3	258.1		3.00				AT 00976		GY M
	040		CA	FB		258.1						AA 01176		M
	050	AXOYO	DF	FB										E
	060	LAKVE	TF	FB	1.0	173.5								E
	070	PDZ	TF	FO	1.0	099.6						AA 04000		VY
	080	PDZ	HM	FO		260.0			R			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PDZ	N335506.01	W1173147.99
ACINS	N335601.96	W1170943.63
AXOYO	N340317.77	W1174029.38
BIRTE	N340317.74	W1172748.03
DICEG	N335930.69	W1171954.65
EYIRA	N340317.16	W1172034.63
LAKVE	N335810.44	W1174104.87
REYOV	N340317.88	W1173142.21

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW26L	N340317.89	W1173457.19	00926	50.0

CITY AND STATE
ONTARIO, CA

ELEVATION: **944** TDZE: **926**
 AIRPORT NAME:
ONTARIO INTL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 26L, AMDT 1B
 26 MAY 2016

SUP: **22**
 AMDT: **1A**
 DATED: **05/07/2009**

QUALITY
 22
 CHECKED

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES																	MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW26R CLIMB TO 4000 DIRECT EGYAZ AND ON TRACK 173.33 TO LAKVE AND ON TRACK 099.63 TO PDZ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. CHART FAS OBST: 1131 BRIDGE 340403N/1173242W CHART 1679 TREE 340140N/1172842W. DISTANCE TO THLD FROM 250 HAT: 0.60 NM. CHART VDP AT 1.41 MILES TO RW26R* WAAS CHANNEL # 53406 REFERENCE PATH ID: W26A CHART 1217 T-L TOWER 340339N/1173128W. CHART CIRCLING ICON. 1979 AAO 340151N/1172824W. LTP HAE: 250.8 M												
ACINS				DICEG (FB)				280.34 / 9.15				5300														
PDZ VORTAC				DICEG (FB)				053.94 / 10.83				5300														
DICEG (IAF)				GORPE (FB)				339.34 / 3.93				4800														
GORPE (IF)				CADIN (FB)				258.12 / 6.01				2900														
CADIN (FAF)				FOLNU/2.70 NM TO RW26R (FB)				258.05 / 3.20																		
FOLNU/2.70 NM TO RW26R				RW26R (MAP) (FO)				258.05 / 2.70																		
(SEE FORM 8260-10)																										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT GORPE 3. FAC: 258.05 FAF: CADIN DIST FAF TO MAP: 5.90 THLD: 5.90 4. MIN. ALT: GORPE 4800, CADIN 2900, FOLNU/2.70 NM TO RW26R 1800* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: CADIN 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS CLEAR 8. MSA FROM: RW26R 11300																	MAG VAR: 12E EPOCH YEAR: 2020									
MINIMUMS																										
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT																	ALTERNATE: N A			STANDARD						
CATEGORY =====>			A			B			C			D			E											
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
LPV DA	1182	2400	250	1182	2400	250	1182	2400	250	1182	2400	250	1182	2400	250											
LNAV/VNAV DA	1406	6000	474	1406	6000	474	1406	6000	474	1406	6000	474	1406	6000	474											
LNAV MDA	1440	2400	508	1440	2400	508	1440	5500	508	1440	5500	508	1440	5500	508											
CIRCLING	1440	1	496	1440	1	496	1540	1 1/2	596	1600	2	656														
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PDZ VORTAC AIRWAY RADIALS 012 CW 078. (CONTINUED ON PAGE 2)																										
CITY AND STATE				ELEVATION: 944 TDZE: 932				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:								SUP:						
ONTARIO, CA				AIRPORT NAME:								RNAV (GPS) Y RWY 26R, AMDT 1B								AMDT: 1A						
				ONTARIO INTL								26 MAY 2016								DATED 05/07/2009						

QUALITY
 22
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW26R (MAP)	1182 MSL	258.05	
1182 MSL	EGYAZ (FB)		
EGYAZ	LAKVE (FB)	173.33 / 5.25	
LAKVE	PDZ VORTAC (FO)	099.63 / 8.31	4000

NOTES, (CONT.):

* LNAV ONLY

CHART NOTE: CIRCLING NA NORTH OF RWY 8L-26R.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILE.

CHART NOTE: PROCEDURE NA FOR ARRIVAL AT ACINS ON V283-587 SOUTHBOUND.

CITY AND STATE
ONTARIO, CA

ELEVATION: 944 TDZE: 932
AIRPORT NAME:
ONTARIO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 26R, AMDT 1B
26 MAY 2016

SUP:
AMDT: 1A
DATED: 05/07/2009

QUALITY
22
CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KONT
RUNWAY	RW26R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	340324.8150N
LTP/FTP LONGITUDE	1173457.1900W
LTP/FTP ELLIPSOIDAL HEIGHT	+02508
FPAP LATITUDE	340324.7500N
FPAP LONGITUDE	1173722.1500W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 B65F6597

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02840
FPAP ORTHOMETRIC HEIGHT	+02840

CITY AND STATE

ONTARIO, CA

ELEVATION: 944

TDZE: 932

AIRPORT NAME:

ONTARIO INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 26R, AMDT 1B

26 MAY 2016

SUP:

AMDT:

DATED: 05/07/2009

 QUALITY
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																																																																							
ARINC SUMMARY - KONT ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>ACINS</td><td>010</td><td>ACINS</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td>ACINS</td><td>020</td><td>DICEG</td><td>TF</td><td>FB</td><td>2.0</td><td>280.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 05300</td><td></td><td>E A</td></tr> <tr><td>ACINS</td><td>030</td><td>GORPE</td><td>TF</td><td>FB</td><td>1.0</td><td>339.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 04800</td><td></td><td>EE B</td></tr> <tr><td>PDZ</td><td>010</td><td>PDZ</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>V</td></tr> <tr><td>PDZ</td><td>020</td><td>DICEG</td><td>TF</td><td>FB</td><td>2.0</td><td>053.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 05300</td><td></td><td>E A</td></tr> <tr><td>PDZ</td><td>030</td><td>GORPE</td><td>TF</td><td>FB</td><td>1.0</td><td>339.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 04800</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>GORPE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 04800</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>CADIN</td><td>TF</td><td>FB</td><td>1.0</td><td>258.1</td><td></td><td></td><td></td><td>RW26R</td><td></td><td>AA 02900</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>FOLNU</td><td>TF</td><td>FB</td><td>0.3</td><td>258.1</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 01800 GS 01859</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW26R</td><td>TF</td><td>FO</td><td>0.3</td><td>258.1</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 00992</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>258.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 01182</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>EGYAZ</td><td>DF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td></td><td>060</td><td>LAKVE</td><td>TF</td><td>FB</td><td>1.0</td><td>173.3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td></td><td>070</td><td>PDZ</td><td>TF</td><td>FO</td><td>1.0</td><td>099.6</td><td></td><td></td><td></td><td></td><td></td><td>AA 04000</td><td></td><td>VY</td></tr> <tr><td></td><td>080</td><td>PDZ</td><td>HM</td><td>FO</td><td></td><td>260.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 04000</td><td></td><td>VE</td></tr> </tbody> </table> POINTS <table style="width:100%; 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CITY AND STATE ONTARIO, CA					ELEVATION: 944 TDZE: 932 AIRPORT NAME: ONTARIO INTL					FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 26R, AMDT 1B 26 MAY 2016			SUP: AMDT: 1A DATED: 05/07/2009																																																																																																																																																																																																																																																																																				

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA CLIMB TO 4400 ON TRACK 077.97 TO CABUB AND ON TRACK 167.57 TO PDZ VORTAC, CONTINUE CLIMB-IN-HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. DISTANCE TO THLD FROM 417 HAT: 1.17 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER1: F ROUTE TYPE QUALIFIER2: S #TCH 989.1 MSL (DO NOT CHART)									
ELMOO (IAF)		PECIN (TF) (FB) (RNP 1.00)		090.37 / 11.67				4700											
PECIN (IF)		APIPE (TF) (FB) (RNP 0.50)		077.83 / 6.01				2800											
APIPE (FAF)		RW08L (MAP) (TF) (FO)		077.90 / 5.60															
RW08L		CABUB (TF) (FB) (RNP 1.00)		077.97 / 4.4				4400											
CABUB		PDZ VORTAC (TF) (FO) (RNP 1.00)		167.57 / 8.30															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT PECIN 3. FAC: <u>077.90</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: PECIN 4700, APIPE 2800 5. DIST TO THLD FROM OM: <u>5.60</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2800</u> GS ALT AT: APIPE 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>45.2#</u> 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 12E		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		X									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
AUTHORIZATION REQUIRED																			
RNP 0.30 DA	1490	2	546	1490	2	546	1490	2	546	1490	2	546							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (31F) OR ABOVE 54C (130F). CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: GPS REQUIRED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALMOO ON V186 NORTHWEST BOUND. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 944		TDZE: 944		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:							
ONTARIO, CA		AIRPORT NAME:		ONTARIO INTL		RNAV		RNAV (RNP) Z RWY 8L, ORIG-D 26 MAY 2016				AMDT: ORIG-C							
												DATED 06/30/2011							

QUALITY
6
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
NOTES, (CONT.): CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART PLANVIEW NOTE AT ALMOO: (RNP 0.50)				
QUALITY 6 CHECKED				
CITY AND STATE ONTARIO, CA	ELEVATION: 944	TDZE: 944	FACILITY IDENTIFIER: RNAV	SUP:
	AIRPORT NAME:			AMDT: ORIG-C
	ONTARIO INTL			DATED: 06/30/2011
		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 8L, ORIG-D 26 MAY 2016		

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ELMOO	010	ELMOO	IF	FB										E A
ELMOO	020	PECIN	TF	FB	1.0							AA 04700		EE B
	010	PECIN	IF	FB								AA 04700		E I
	020	APIPE	TF	FB	0.5							AA 02800		E F
	030	RW08L	TF	FO	0.3			3.00				AT 00989		GY M
	040	CABUB	TF	FB	1.0									E M
	050	PDZ	TF	FO	1.0							AA 04400		VY
	060	PDZ	HM	FO		260.0			R			AA 04400		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PDZ	N335506.01	W1173147.99
ELMOO	N340554.60	W1180452.53
APIPE	N340324.34	W1174354.66
CABUB	N340324.80	W1173152.50
PECIN	N340323.50	W1175109.02

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08L	N340324.76	W1173710.30	00944	45

QUALITY
28
CHECKED

CITY AND STATE ONTARIO, CA	ELEVATION: 944 TDZE: 944 AIRPORT NAME: ONTARIO INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 8L, ORIG-D 26 MAY 2016	SUP:
				AMDT: ORIG-C
				DATED: 06/30/2011

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA CLIMB TO 4000 DIRECT AXOYO ON TRACK 173.50 TO LAKVE ON TRACK 099.63 TO PDZ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. DISTANCE TO THLD FROM 393 HAT: 1.08 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S # TCH: 976.2 MSL (DO NOT CHART)						
SETER (IAF)		CUBON (TF) (FB) (RNP 0.50)		293.69 / 10.44				5900								
CUBON		SBD NDB (TF) (FB) (RNP 0.30)		294.67 / 5.41				4200								
ZIGGY (IAF)		SBD NDB (TF) (FB) (RNP 0.30)		213.65 / 5.42				4200								
SBD NDB (IF)		BIRTE (TF) (FB) (RNP 0.30)		256.94 / 4.85				2900								
BIRTE (FAF)		RW26L (MAP) (TF) (FO)		258.06 / 5.94												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT SBD NDB																
3. FAC: <u>258.06</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: SBD NDB 4200, BIRTE 2900																
5. DIST TO THLD FROM OM: <u>5.94</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>BIRTE 2900</u> OM: _____ MM: _____ IM: _____																
7. GS ANGLE: <u>3.00</u> TCH: <u>50.0#</u> <u>34:1 IS CLEAR</u>																
8. MSA FROM: RW26L 11300																
										MAG VAR: 12E EPOCH YEAR: 2020						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A ☒								
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
AUTHORIZATION REQUIRED																
RNP 0.30 DA	1319	4500	393	1319	4500	393	1319	4500	393	1319	4500	393				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (31F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZIGGY ON V8-21 NORTHEASTBOUND, AND AT SETER ON (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 944 TDZE: 926				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
ONTARIO, CA		AIRPORT NAME: ONTARIO INTL						RNAV (RNP) Z RWY 26L, ORIG-D 26 MAY 2016				AMDT: ORIG-C				
												DATED 06/30/2011				



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RW26L	1319 MSL (CA)	258.06		
1319 MSL	AXOYO (DF) (FB)			
AXOYO	LAKVE (TF) (FB) (RNP 1.00)	173.50 / 5.14		
LAKVE	PDZ VORTAC (TF) (FO) (RNP 1.00)	099.63 / 8.31	4000	
NOTES, (CONT.): V16-370 EASTBOUND. CHART PLANVIEW NOTE CHART SPEED ICON IN PLANVIEW AT ZIGGY, PETIS NDB: MAX 210 KIAS. CHART PLANVIEW NOTE AT SETER AND ZIGGY: (RNP 0.30) CHART NOTE: FOR INOPERATIVE ALSO INCREASE ALL VISIBILITIES TO 1 1/4 MILE.				
QUALITY 6 CHECKED				
CITY AND STATE	ELEVATION: 944	TDZE: 926	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ONTARIO, CA	AIRPORT NAME:		RNAV	RNAV (RNP) Z RWY 26L, ORIG-D
	ONTARIO INTL			26 MAY 2016
			SUP:	
			AMDT:	ORIG-C
			DATED:	06/30/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SETER	010	SETER	IF	FB										E A
SETER	020	CUBON	TF	FB	0.5							AA 05900		E
SETER	030	SB	TF	FB	0.3							AA 04200	AB 210	NE B
ZIGGY	010	ZIGGY	IF	FB									AB 210	E A
ZIGGY	020	SB	TF	FB	0.3							AA 04200	AB 210	NE B
	010	SB	IF	FB								AA 04200	AB 210	N I
	020	BIRTE	TF	FB	0.3					RW26L		AA 02900		E F
	030	RW26L	TF	FO	0.3			3.00				AT 00976		GY M
	040	CA	FB			258.1						AA 01319		M
	050	AXOYO	DF	FB										E
	060	LAKVE	TF	FB	1.0									E
	070	PDZ	TF	FO	1.0							AA 04000		VY
	080	PDZ	HM	FO		260.0			R			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PDZ	N335506.01	W1173147.99
SB	N340323.30	W1172158.01
SETER	N335403.63	W1170632.85
ZIGGY	N340711.29	W1171717.89
AXOYO	N340317.77	W1174029.38
BIRTE	N340317.74	W1172748.03
CUBON	N340009.23	W1171644.65
LAKVE	N335810.44	W1174104.87

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW26L	N340317.89	W1173457.19	00926	50

QUALITY
15
CHECKED

CITY AND STATE ONTARIO, CA	ELEVATION: 944 TDZE: 926	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 26L, ORIG-D 26 MAY 2016	SUP:
	AIRPORT NAME: ONTARIO INTL			AMDT: ORIG-C
				DATED: 06/30/2011

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA CLIMB TO 4000 DIRECT EGYAZ ON TRACK 173.33 TO LAKVE ON TRACK 099.63 TO PDZ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. DISTANCE TO THLD FROM 392 HAT: 0.97 NM. ROUTE TYPE QUALIFIER2: S ROUTE TYPE QUALIFIER1: F ROUTE TYPE: A, H #TCH 991.7 MSL (DO NOT CHART)									
SETER (IAF)		CUBON (TF) (FB) (RNP 0.50)		293.69 / 10.44				5900											
CUBON		SBD NDB (TF) (FB) (RNP 0.30)		294.67 / 5.41				4200											
ZIGGY (IAF)		SBD NDB (TF) (FB) (RNP 0.30)		213.65 / 5.42				4200											
SBD NDB (IF)		CADIN (TF) (FB) (RNP 0.30)		258.31 / 4.89				2900											
CADIN (FAF)		RW26R (MAP) (TF) (FO)		258.05 / 5.90															
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT SBD NDB 3. FAC: <u>258.05</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: SBD NDB 4200, CADIN 2900 5. DIST TO THLD FROM OM: <u>5.90</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>CADIN 2900</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>60.0#</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: RW26R 11300																MAG VAR: 12E		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		☒									
CATEGORY ==>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
AUTHORIZATION REQUIRED																			
RNP 0.30 DA	1324	4000	392	1324	4000	392	1324	4000	392	1324	4000	392							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (31F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZIGGY ON V8-21 NORTHEASTBOUND, AND ARRIVALS AT (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 944 TDZE: 932		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
ONTARIO, CA		AIRPORT NAME: ONTARIO INTL				RNAV (RNP) Z RWY 26R, ORIG-D 26 MAY 2016				AMDT: ORIG-C									
										DATED 06/30/2011									



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceiling are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
RWY 26R (MAP)		1324 MSL (CA)	258.05		
1324 MSL		EGYAZ (DF) (FB)			
EGYAZ		LAKVE (TF) (FB) (RNP 1.00)	173.33 / 5.25		
LAKVE		PDZ VORTAC (TF) (FO) (RNP 1.00)	099.63 / 8.31	4000	
NOTES, (CONT.): SETER ON V16-370 EASTBOUND. CHART SPEED ICON IN PLANVIEW AT ZIGGY: MAX 210 KIAS. CHART SPEED ICON IN PLANVIEW AT SBD NDB: MAX 210 KIAS. CHART PLANVIEW NOTE AT SETER AND ZIGGY: (RNP 0.30)					
QUALITY 6 CHECKED					
CITY AND STATE ONTARIO, CA		ELEVATION: 944 AIRPORT NAME: ONTARIO INTL	TDZE: 932	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 26R, ORIG-D 26 MAY 2016
					SUP: AMDT: ORIG-C DATED: 06/30/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KONT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SETER	010	SETER	IF	FB										E A
SETER	020	CUBON	TF	FB	0.5							AA 05900		E
SETER	030	SB	TF	FB	0.3							AA 04200	AB 210	NE B
ZIGGY	010	ZIGGY	IF	FB									AB 210	E A
ZIGGY	020	SB	TF	FB	0.3							AA 04200	AB 210	NE B
	010	SB	IF	FB								AA 04200	AB 210	N I
	020	CADIN	TF	FB	0.3					RW26R		AA 02900		E F
	030	RW26R	TF	FO	0.3			3.00				AT 00992		GY M
	040	CA	FB			258.1						AA 01324		M
	050	EGYAZ	DF	FB										E
	060	LAKVE	TF	FB	1.0									E
	070	PDZ	TF	FO	1.0							AA 04000		VY
	080	PDZ	HM	FO		260.0			R			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PDZ	N335506.01	W1173147.99
SB	N340323.30	W1172158.01
SETER	N335403.63	W1170632.85
ZIGGY	N340711.29	W1171717.89
CADIN	N340324.74	W1172751.42
CUBON	N340009.23	W1171644.65
EGYAZ	N340324.64	W1174029.69
LAKVE	N335810.44	W1174104.87

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW26R	N340324.82	W1173457.19	00932	60.0

QUALITY
28
CHECKED

CITY AND STATE ONTARIO, CA	ELEVATION: 944	TDZE: 932	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 26R, ORIG-D	SUP:
	AIRPORT NAME: ONTARIO INTL			26 MAY 2016	AMDT: ORIG-C
					DATED: 06/30/2011

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
ONTARIO, CA	ONTARIO INTL	26 MAY 2016	9

TAKEOFF MINIMUMS:

RWY 26L, 26R STANDARD.
RWY 8L, 8R STANDARD WITH MINIMUM CLIMB OF 285 FEET PER NM TO 3000.

TEXTUAL DEPARTURE PROCEDURES:

RWY 8L - CLIMB HEADING 077.96 TO 2600 THEN CLIMBING RIGHT TURN DIRECT PDZ VORTAC THENCE...
RWY 8R - CLIMB HEADING 077.97 TO 2600 THEN CLIMBING RIGHT TURN DIRECT PDZ VORTAC THENCE...
RWY 26L - CLIMB HEADING 257.99 TO 2600 THEN CLIMBING LEFT TURN DIRECT PDZ VORTAC THENCE...
RWY 26R - CLIMB HEADING 257.98 TO 2600 THEN CLIMBING LEFT TURN DIRECT PDZ VORTAC THENCE...
...CLIMB IN PDZ HOLDING PATTERN (HOLD NE, RT, 210.00 INBOUND) TO CROSS PDZ VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8L, GRD 81 FT FROM DER, 443 FT LEFT OF CENTERLINE, 936 MSL. BLDG 1605 FT FROM DER, 846 FT LEFT OF CENTERLINE, 975 MSL. LT POLES BEGINNING 2042 FT FROM DER, 684 FT LEFT OF CENTERLINE, UP TO 990 MSL.
NOTE: RWY 26L, POLE 754 FT FROM DER, 670 FT LEFT OF CENTERLINE, 964 MSL. TREES BEGINNING 1050 FT FROM DER, 708 FT LEFT OF CENTERLINE, UP TO 985 MSL. TREE 1987 FT FROM DER, 329 FT LEFT OF CENTERLINE, 986 MSL. OL ON GS, 125 FT FROM DER, 339 FT RIGHT OF CENTERLINE, 982 MSL.
NOTE: RWY 26R, GRD, ANT ON BLDG, BEGINNING 30 FT FROM DER, 396 FT LEFT OF CENTERLINE, UP TO 951 FT MSL. LT POLE 483 FT FROM DER, 263 FT LEFT OF CENTERLINE, 973 FT MSL. POLE, RR, LT POLE BEGINNING 580 FT FROM DER, 371 FT LEFT OF CENTERLINE, UP TO 978 FT MSL. OL ON DME, OL ON LOC, BEGINNING 369 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 962 FT MSL. LT POLES BEGINNING 1144 FT FROM DER, 211 FT RIGHT OF CENTERLINE, UP TO 981 FT MSL. POLE, LT POLE BEGINNING 1244 FT FROM DER, 543 FT RIGHT OF CENTERLINE, UP TO 986 FT MSL. TREE 1672 FT FROM DER, 696 FT RIGHT OF CENTERLINE, 996 FT MSL. TREES, BEGINNING 2882 FT FROM DER, 673 FT RIGHT OF CENTERLINE, UP TO 1030 FT MSL.

CONTROLLING OBSTACLES:

RWY 8L, 8R, 2421 FT MSL AAO 340158.83N/1172634.06W.
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: ALL RWY'S - 10264 FT MSL AAO 341721.00N/1173852.60W, 6677 FT MSL AAO 341254.00N/1173233.00W, 11699 FT MSL AAO 340549.20N/1164923.30W

QUALITY
3
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
ONTARIO, CA	ONTARIO INTL	26 MAY 2016	9

REMARKS:

REFERENCE MAG VAR: KONT 12E EPOCH YEAR: 2020; PDZ VORTAC 15E EPOCH YEAR: 1965.

VCOA NOT ESTABLISHED AT ATC REQUEST DUE TO HIGH TRAFFIC DENSITY AND AIRSPACE COMPLEXITY IN SOUTHERN CALIFORNIA AIR TRAFFIC ENVIRONMENT.

FLIGHT INSPECTED BY:

SCOTT A THOMPSON FICO

Digitally signed by

BEV L BORDY

Mar 29, 2016

REQUIRED EFFECTIVE DATE:

03/23/2016

DEVELOPED BY:

VICTOR BOONE AJV-5432

Digitally signed by

VICTOR C BOONE 01/12/2015

Feb 17, 2016

APPROVED BY:

LONNIE EVERHART AJV-5430

Digitally signed by

BEV L BORDY

Mar 29, 2016

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ARPT MGR, ZLA

CHANGES:

1. CHANGED RWY 8L CLIMB HEADING FROM 075.96 TO 077.96.
2. CHANGED RWY 8R CLIMB HEADING FROM 075.97 TO 077.97.
3. CHANGED RWY 26L CLIMB HEADING FROM 255.99 TO 257.99.
4. CHANGED RWY 26R CLIMB HEADING FROM 255.98 TO 257.98.

REASONS:

- 1-4. KONT MAGVAR WENT FROM 14E TO 12E VIA EPOCH YEAR 2020.



RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LP: VEPBU LNAV: VEPBU CLIMBING RIGHT TURN TO 12100 DIRECT FEMAD AND HOLD. ADDITIONAL FLIGHT DATA: FAS OBST: 7879 AAO 371228N/1070425W 8479 AAO 371128N/1070526W 8828 AAO 371102N/1070523W CHART VDP AT 1.25 MILES TO VEPBU WAAS CHANNEL # 58238 REFERENCE PATH ID: W01A DUGNE TO RW1: 3.00/40. FICTITIOUS THRESHOLD POINT (CFCFT) DO NOT CHART. FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 20.00 DEGREES. LTP HAE: 2307.8 M						
COKRI		FEMAD (FO)		100.51 / 21.74			12100								
BRAZO (IAF)		FEMAD (NOPT) (FB)		281.01 / 20.67			12100								
FEMAD (IF/IAF)		DUGNE (FB)		344.45 / 11.73			10300								
DUGNE (FAF)		IBURE/4.90 NM TO VEPBU (FB)		353.79 / 2.89											
IBURE/4.90 NM TO VEPBU		VEPBU (MAP) (FO)		353.79 / 4.90					MAG VAR: 10E EPOCH YEAR: 2010						
VEPBU (MAP)		8064 MSL		353.79											
8064 MSL		FEMAD (FO)					12100								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S FEMAD, RT, 344.45 INBOUND, 12100 FT. IN LIEU OF PT (IAF) 3. FAC: 353.79 FAF: DUGNE DIST FAF TO MAP: 7.79 THLD: 8.26 4. MIN. ALT: FEMAD 12100, DUGNE 10300, IBURE/4.90 NM TO VEPBU 9380 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: VEPBU 14700															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	8240	1	603	8240	1	603	8240	1 3/4	603		NA				
LNAV MDA	8280	1	643	8280	1	643	8280	1 7/8	643		NA				
CIRCLING	8420	1	756	8480	1 1/4	816	8940	3	1276		NA				
NOTES: CHART NOTE: CIRCLING TO RWY 19 NA AT NIGHT. @ CAT B 900-2, CAT C 1300-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DURANGO ALTIMETER SETTING AND INCREASE (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 7664 TDZE: 7637		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: 4					
PAGOSA SPRINGS, CO		AIRPORT NAME: STEVENS FIELD				RNAV (GPS) RWY 1, ORIG 26 MAY 2016				AMDT: NONE					
										DATED:					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

ALL MDA 220 FEET AND LP AND LNAV VISIBILITY CAT B 1/4 MILE AND CAT C 3/4 MILE, AND CIRCLING CATS
A/B 1/4 MILE.

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT FEMAD ON V211 NORTHWEST BOUND.

CITY AND STATE

PAGOSA SPRINGS, CO

ELEVATION: 7664

TDZE: 7637

AIRPORT NAME:

STEVENS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

26 MAY 2016

SUP:

4

AMDT:

NONE

DATED:

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KPSO
RUNWAY RW01
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W01A
FTP LATITUDE 371634.5390N
FTP LONGITUDE 1070354.4960W
LTP/FTP ELLIPSOIDAL HEIGHT +23078
FPAP LATITUDE 371803.5525N
FPAP LONGITUDE 1070347.0945W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

0E5F2B25

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +23253
FPAP ORTHOMETRIC HEIGHT +23253

CITY AND STATE

PAGOSA SPRINGS, CO

ELEVATION: 7664

TDZE: 7637

AIRPORT NAME:

STEVENS FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

26 MAY 2016

SUP:

AMDT: NONE

DATED:

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																				
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CITY AND STATE PAGOSA SPRINGS, CO		ELEVATION: 7664 TDZE: 7637 AIRPORT NAME: STEVENS FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 26 MAY 2016			SUP: QUALITY 4 AMDT: NONE DATED:																																																																																																																																																																																																																																							

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ADDITIONAL FLIGHT DATA:							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. _____																	
3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: _____																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: _____																	
8. MSA FROM: _____										MAG VAR: _____			EPOCH YEAR: _____				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT																	
ALTERNATE: N A																	
CATEGORY =====>		DH/MDA		VIS		DH/MDA		VIS		DH/MDA		VIS		DH/MDA		VIS	
NOTES:																	
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																	
CITY AND STATE PAGOSA SPRINGS, CO		ELEVATION: 7664 TDZE: AIRPORT NAME: STEVENS FIELD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, AMDT 1, 09/20/2012						SUP: AMDT: 4 DATED 02/14/2008			

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW18									
CUSTI (IAF)			CIGAY (NOPT) (FB)			272.54 / 6.30			3000			CLIMB TO 3000 DIRECT HEMUX AND HOLD.									
JAKAV (IAF)			CIGAY (NOPT) (FB)			092.42 / 6.30			3000												
CIGAY (IF/IAF)			JAPMA (FB)			182.48 / 6.13			2000			ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.48 INBOUND. CHART FAS OBST: 267 TOWER 302614N/0842104W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.20 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 65600 REFERENCE PATH ID: W18A CHART: ASR. CHART CIRCLING ICON. LTP HAE: -2.5 M									
JAPMA (FAF)			XEGXY/2.50 NM TO RW18 (FB)			182.48 / 3.35															
XEGXY/2.50 NM TO RW18			RW18 (MAP) (FO)			182.48 / 2.50															
RW18 (MAP)			283 MSL			182.48															
283 MSL			HEMUX (FO)						3000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. HOLD N CIGAY, RT, 182.48 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																					
3. FAC: 182.48 FAF: JAPMA DIST FAF TO MAP: 5.85 THLD: 5.85																					
4. MIN. ALT: CIGAY 3000, JAPMA 2000, XEGXY/2.50 NM TO RW18 920*																					
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																					
6. MIN GS INCPT: 2000 GS ALT AT: JAPMA 2000 OM: _____ MM: _____ IM: _____																					
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR																					
8. MSA FROM: _____																					
MAG VAR: 3W EPOCH YEAR: 2000																					
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
LPV DA	283	3/4	200	283	3/4	200	283	3/4	200	283	3/4	200									
LNAV/VNAV DA	498	1 3/8	415	498	1 3/8	415	498	1 3/8	415	498	1 3/8	415									
LNAV MDA	520	1	437	520	1	437	520	1 1/4	437	520	1 1/4	437									
CIRCLING	580	1	497	580	1	497	640	1 1/2	557	780	2 1/4	697									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. @ CAT D 800-2 1/4 *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE QUINCY ALTIMETER SETTING AND INCREASE (CONTINUED ON PAGE 2)																					
CITY AND STATE TALLAHASSEE, FL				ELEVATION: 83 TDZE: 83 AIRPORT NAME: TALLAHASSEE INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2 26 MAY 2016				SUP: AMDT: 1C DATED 10/15/2015							

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

LPV DA TO 340 FEET; INCREASE LNAV/VNAV DA TO 555 FEET AND ALL CATS VISIBILITY 1/4 MILE; INCREASE ALL MDA 60 FEET AND LNAV CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING QUINCY ALTIMETER SETTING.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	092/30 CW 272/30 (NOPT)	092/16 CW 272/16	3300
2.	092/16 CW 272/16	CIGAY (IF/IAF) (FB)	3000
3.	272/30 CW 002/30	272/12 CW 002/12	3300
4.	272/12 CW 002/12	CUSTI (IAF) (FB)	3000
5.	002/30 CW 092/30	JAKAV (IAF) (FB)	3000

QUALITY
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CITY AND STATE

TALLAHASSEE, FL

ELEVATION: 83

TDZE: 83

AIRPORT NAME:

TALLAHASSEE INTL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 2

26 MAY 2016

SUP:

AMDT: 1C

DATED: 10/15/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTLH
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	302444.9390N
LTP/FTP LONGITUDE	0842132.3385W
LTP/FTP ELLIPSOIDAL HEIGHT	-00025
FPAP LATITUDE	302315.6335N
FPAP LONGITUDE	0842131.4040W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 4949D420

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00253
FPAP ORTHOMETRIC HEIGHT	+00253

QUALITY
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CITY AND STATE TALLAHASSEE, FL	ELEVATION: 83 TDZE: 83 AIRPORT NAME: TALLAHASSEE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2 26 MAY 2016	SUP:
				AMDT: 1C
				DATED: 10/15/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KTLH

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CIGAY	010	CIGAY	HF	FO		182.5			R			AA 03000		EE A
CUSTI	010	CUSTI	IF	FB										E A
CUSTI	020	CIGAY	TF	FB	1.0	272.5						AA 03000		EE B
JAKAV	010	JAKAV	IF	FB										E A
JAKAV	020	CIGAY	TF	FB	1.0	092.4						AA 03000		EE B
	010	CIGAY	IF	FB								AA 03000		E I
	020	JAPMA	TF	FB	1.0	182.5						AA 02000		E F
	021	XEGXY	TF	FB	0.3	182.5		3.00				AA 00920 GS 00934		E S
	030	RW18	TF	FO	0.3	182.5		3.00				AT 00138		GY M
	040		CA	FB		182.5						AA 00283		M
	050	HEMUX	DF	FO								AA 03000		EY
	060	HEMUX	HM	FO		002.5			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CIGAY	N303645.39	W0842139.90
CUSTI	N303648.63	W0841421.87
HEMUX	N301245.54	W0842124.83
JAKAV	N303641.74	W0842857.92
JAPMA	N303036.57	W0842136.03
XEGXY	N302715.29	W0842133.92

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N302444.94	W0842132.34	00083	55

QUALITY
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CITY AND STATE TALLAHASSEE, FL	ELEVATION: 83 AIRPORT NAME: TALLAHASSEE INTL	TDZE: 83 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2 26 MAY 2016	SUP:
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RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.															
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3000 DIRECT CIGAY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 182.48 INBOUND. CHART FAS OBST: 203 CTRL TWR 302313N/0842113W DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.09 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 60900 REFERENCE PATH ID: W36A CHART ASR LTP HAE: -10.6 M									
ATYIP (IAF)		HEMUX (NOPT) (FB)		092.42 / 6.30				3000											
CEVIR (IAF)		HEMUX (NOPT) (FB)		272.54 / 6.30				3000											
HEMUX (IF/IAF)		BUPYA (FB)		002.48 / 6.10				1600											
BUPYA (FAF)		XIGIQ/2.50 NM TO RW36 (FB)		002.48 / 2.21															
XIGIQ/2.50 NM TO RW36		RW36 (MAP) (FO)		002.48 / 2.50															
RW36 (MAP)		262 MSL		002.48				3000											
262 MSL		CIGAY (FO)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S HEMUX, RT, 002.48 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 002.48 FAF: BUPYA DIST FAF TO MAP: 4.71 THLD: 4.71 4. MIN. ALT: HEMUX 3000, BUPYA 1600, XIGIQ/2.50 NM TO RW36 880* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1600 GS ALT AT: BUPYA 1600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 3W		EPOCH YEAR: 2000	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @									
CATEGORY ==>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	262	2400	200	262	2400	200	262	2400	200	262	2400	200							
LNAV/VNAV DA	364	2400	302	364	2400	302	364	2400	302	364	2400	302							
LNAV MDA	460	2400	398	460	2400	398	460	3500	398	460	3500	398							
CIRCLING	580	1	497	580	1	497	640	1 1/2	557	780	2 1/4	697							
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F)																			
@ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT D 800-2 1/4																			
QUALITY 5 CHECKED																			
(CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 83 TDZE: 62		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
TALLAHASSEE, FL		AIRPORT NAME:		TALLAHASSEE INTL		RNAV (GPS) RWY 36, AMDT 2				AMDT: 1B									
						26 MAY 2016				DATED 08/20/2015									

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING QUINCY ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE QUINCY ALTIMETER SETTING: INCREASE LPV DA TO 319 FEET; INCREASE LNAV/VNAV DA TO 421 FEET AND ALL CATS VISIBILITY 1/4 MILE; INCREASE ALL MDA 60 FEET AND LNAV AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING QUINCY ALTIMETER SETTING.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE{ANGLE}/TCH {FEET}).

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	272/30 CW 092/30 (NOPT)	HEMUX (IF/IAF) (FB)	3000
2.	092/30 CW 182/30	ATYIP (IAF) (FB)	3000
3.	182/30 CW 272/30	182/15 CW 272/15	3300
	182/15 CW 272/15	CEVIR (IAF) (FB)	3000

QUALITY
5
CHECKED

CITY AND STATE TALLAHASSEE, FL	ELEVATION: 83 AIRPORT NAME: TALLAHASSEE INTL	TDZE: 62	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 26 MAY 2016	SUP:
					AMDT: 1B
					DATED: 08/20/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTLH
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	302335.6525N
LTP/FTP LONGITUDE	0842131.6210W
LTP/FTP ELLIPSOIDAL HEIGHT	-00106
FPAP LATITUDE	302504.9585N
FPAP LONGITUDE	0842132.5565W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

6F2DB19A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00171
FPAP ORTHOMETRIC HEIGHT	+00171

QUALITY
5
CHECKED

CITY AND STATE

TALLAHASSEE, FL

ELEVATION: 83

TDZE: 62

AIRPORT NAME:

TALLAHASSEE INTL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

26 MAY 2016

SUP:

AMDT:

1B

DATED:

08/20/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KTLH

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ATYIP	010	ATYIP	IF	FB										E A
ATYIP	020	HEMUX	TF	FB	1.0	092.4						AA 03000		EE B
CEVIR	010	CEVIR	IF	FB										E A
CEVIR	020	HEMUX	TF	FB	1.0	272.5						AA 03000		EE B
HEMUX	010	HEMUX	HF	FO		002.5			R			AA 03000		EE A
	010	HEMUX	IF	FB								AA 03000		E I
	020	BUPYA	TF	FB	1.0	002.5						AA 01600		E F
	021	XIGIQ	TF	FB	0.3	002.5		3.00				AA 00880 GS 00897		E S
	030	RW36	TF	FO	0.3	002.5		3.00				AT 00101		GY M
	040		CA	FB		002.5						AA 00262		M
	050	CIGAY	DF	FO								AA 03000		EY
	060	CIGAY	HM	FO		182.5			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ATYIP	N301241.91	W0842841.07
BUPYA	N301852.62	W0842128.66
CEVIR	N301248.77	W0841408.58
CIGAY	N303645.39	W0842139.90
HEMUX	N301245.54	W0842124.83
XIGIQ	N302105.30	W0842130.05

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N302335.65	W0842131.62	00056	45

QUALITY
5
CHECKED

CITY AND STATE TALLAHASSEE, FL	ELEVATION: 83 AIRPORT NAME: TALLAHASSEE INTL	TDZE: 62 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 26 MAY 2016	SUP:
					AMDT: 1B
					DATED: 08/20/2015

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES											MISSED APPROACH				
FROM		TO			COURSE AND DISTANCE				ALTITUDE		RNP: DA				
HAVNU (40E) WRENS (IAF) (40E) (43A) TEGUA CCW (IF)(40E)(42R)(43B) NAIRA (40E) (43I)		WRENS (TF) (FB) RNP 1.00 (40E) (43A) TEGUA (TF) (FB) RNP 1.00 (40E) (43B) NAIRA (RF) (FB) RNP 0.30 (40E) (42R) VIZOR (TF) (FB) RNP 0.30 (40E) (43F)			268.91 / 25.33 263.27 / 12.07 (4.00 NM RADIUS CCW CFCLH)/12.57 83.25 / 2.00				7000 2300 2300 1900		(DO NOT EXCEED 230 KIAS UNTIL WRENS) CLIMB TO 2300 ON THE RNAV MISSED APPROACH ROUTE TO WRENS AND HOLD,				
BIRUQ (IAF) (40E) (43A) NAIRA (IF) (40E) (43I) VIZOR (FAF) (40E) (43F) RW09 (MAP)(40G)		NAIRA (TF) (FB) RNP 0.50 (40E) (43B) VIZOR (TF) (FB) RNP 0.30 (40E) (43F) RW09 (TF) (FB) (40G) (43M) ZULTO (TF) (FB) RNP 0.30 (40E) (42M)			88.77 / 22.15 83.25 / 2.00 83.25 / 5.78 83.25 / 4.29				2300 1900		ADDITIONAL FLIGHT DATA: HOLD E, RT, 263.27 INBOUND. CHART FAS OBST: 697 BUSH 065840N/1581124E DISTANCE TO THLD FROM 903 HAT: 2.68 NM ROUTE TYPE: A, H ROUTE TYPE QUALIFIER1: F ROUTE TYPE QUALIFIER2: S #TCH 58.8 (DO NOT CHART)				
ZULTO CCW (40E) YOGAS CCW (40E)		YOGAS (RF) (FB) RNP 0.50 (40E) WRENS (RF) (FO) RNP 1.00 (40E) (41Y)			(4.00 NM RADIUS CCW CFCMK)/4.21 (4.00 NM RADIUS CCW CFCMK)/8.36				2300		MAG VAR: 7E EPOCH YEAR: 1985				

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT VIZOR
 3. FAC: 83.25 FAF: DIST FAF TO MAP: THLD:
 4. MIN ALT: VIZOR 1900
 5. DIST TO THLD FROM OM: 5.78 MM: IM: 150 HAT: 100 HAT: GS ANT:
 6. MIN GS INCPT: 1900 GS ALT AT: VIZOR 1900 OM: MM: IM:
 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
 8. MSA FROM: RW09 3800

MINIMUMS															
TAKEOFF: SEE FORM 8260-15 FOR THIS AIRPORT						ALTERNATE: N A			STANDARD						
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA

AUTHORIZATION REQUIRED															
RNP 0.30 DA	912	4	903	912	4	903	912	4	903	912	4	903			

NOTES:
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 20C (68F) OR ABOVE 54C (130F).
 CHART NOTE: MISSED APPROACH REQUIRES RNP LESS THAN 1.0.
 CHART NOTE: RF REQUIRED.
 CHART NOTE: GPS REQUIRED.
 CHART NOTE: NO CONTROLLED AIRSPACE BELOW 5500 FEET.

CITY AND STATE	ELEVATION: 9 TDZE: 9	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
POHNPEI ISLAND, FM	AIRPORT NAME: POHNPEI INTL	RNAV	RNAV (RNP) Y RWY 9, AMDT 1 26 MAY 2016	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
NOTES CONT: CHART SPEED ICON IN PLANVIEW AT TEGUA: MAX 230 KIAS. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.				
CITY AND STATE POHNPEI ISLAND, FM	ELEVATION: 9 TDZE: 9 AIRPORT NAME: POHNPEI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 9, AMDT 1 26 MAY 2016	SUP: AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT:

CHART SPEED ICON IN PLANVIEW AT TEGUA: MAX 230 KIAS.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE POHNPEI ISLAND, FM	ELEVATION: 9 TDZE: 9 AIRPORT NAME: POHNPEI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 9, AMDT 1 26 MAY 2016	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW10 CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 3000 DIRECT LOTS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 291.48 INBOUND. CHART FAS OBST: 389 TOWER 322208N/0820716W DISTANCE TO THLD FROM 297 HAT: 0.77 NM. WAAS CHANNEL # 53738 REFERENCE PATH ID: W10A CHART CIRCLING ICON. CHART CLAXTON AWOS-3. LTP HAE: 27.9 M								
TRUET (IAF)		GAYEP (FB)		077.19 / 14.48			2000										
KCLICK (IAF)		GAYEP (FB)		139.34 / 15.99			2000										
GAYEP (IF)		CERDO (FB)		099.45 / 6.11			2000										
CERDO (FAF)		CABUX/2.00 NM TO RW10 (FB)		099.63 / 3.50													
CABUX/2.00 NM TO RW10		RW10 (MAP) (FO)		099.63 / 2.00													
RW10 (MAP)		700 MSL		099.63			700										
700 MSL		LOTTS (FO)					3000										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT GAYEP 3. FAC: 099.63 FAF: CERDO DIST FAF TO MAP: 5.50 THLD: 5.50 4. MIN. ALT: GAYEP 2000, CERDO 2000, CABUX/2.00 NM TO RW10 880* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: CERDO 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS NOT CLEAR 8. MSA FROM: RW10 2600										MAG VAR: 7W		EPOCH YEAR: 2020					
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	537	1 1/8	340	537	1 1/8	340	537	1 1/8	340	537	1 1/8	340					
LNAV/VNAV DA	494	1	297	494	1	297	494	1	297	494	1	297					
LNAV MDA	700	1	503	700	1	503	700	1 3/8	503	700	1 3/8	503					
CIRCLING	820	1	623	880	1	683	1060	2 1/2	863	1060	2 3/4	863					
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TRUET ON V179 NORTHWEST BOUND. (CONTINUED ON PAGE 2)																	
CITY AND STATE METTER, GA		ELEVATION: 197 TDZE: 197 AIRPORT NAME: METTER MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1 26 MAY 2016						SUP: AMDT: ORIG DATED 06/05/2008					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
NOTES, (CONT.): CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KLINK ON V70 WESTBOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LNAV ONLY CHART NOTE: USE CLAXTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE VIDALIA ALTIMETER SETTING AND INCREASE LPV DA TO 543, LNAV/VNAV DA TO 500, INCREASE ALL MDA 20 FEET, INCREASE LNAV CAT C/D VISIBILITY 1/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.					
CITY AND STATE METTER, GA	ELEVATION: 197 AIRPORT NAME: METTER MUNI	TDZE: 197	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1 26 MAY 2016	SUP: QUALITY 10 CHECKED
					AMDT: ORIG
					DATED: 06/05/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CITY AND STATE

METTER, GA

ELEVATION: 197
AIRPORT NAME:

METTER MUNI

TDZE: 197

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 10, AMDT 1
26 MAY 2016

SUP:
AMDT:
DATED:

QUALITY
10
CHECKED

ORIG

06/05/2008

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMHP
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	322227.4855N
LTP/FTP LONGITUDE	0820522.2745W
LTP/FTP ELLIPSOIDAL HEIGHT	+00279
FPAP LATITUDE	322223.2830N
FPAP LONGITUDE	0820337.1850W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 4FEC5DC6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00573
FPAP ORTHOMETRIC HEIGHT	+00573

CITY AND STATE
METTER, GA

ELEVATION: 197 TDZE: 197
AIRPORT NAME:
METTER MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 10, AMDT 1
26 MAY 2016

SUP: **QUALITY
10
CHECKED**
AMDT: **ORIG**
DATED: **06/05/2008**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																					
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CITY AND STATE METTER, GA		ELEVATION: 197 TDZE: 197 AIRPORT NAME: METTER MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1 26 MAY 2016			SUP: 10 CHECKED AMDT: ORIG DATED: 06/05/2008																																																																																																																																																																																																																								

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3000 DIRECT LOTS AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 307 TREE 322242N/0820334W DISTANCE TO THLD FROM 297 HAT: 0.76 NM. WAAS CHANNEL # 78438 REFERENCE PATH ID: W28A CHART CIRCLING ICON. CHART CLAXTON AWOS-3. LTP HAE: 30.2 M							
LOTS (IF/IAF)		JAMEB (FB)		294.73 / 6.55			1800									
JAMEB (FAF)		CULIX/2.10 NM TO RW28 (FB)		279.75 / 2.76												
CULIX/2.10 NM TO RW28		RW28 (MAP) (FO)		279.75 / 2.10												
RW28 (MAP)		700 MSL		279.75			700									
700 MSL		LOTS (FO)					3000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E LOTS, RT, 291.48 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 279.75 FAF: JAMEB DIST FAF TO MAP: 4.86 THLD: 4.86 4. MIN. ALT: LOTS 3000, JAMEB 1800, CULIX/2.10 NM TO RW28 920* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: JAMEB 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 57.0 34:1 IS NOT CLEAR 8. MSA FROM: RW28 2600																
											MAG VAR: 7W			EPOCH YEAR: 2020		
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT											ALTERNATE: N A X					
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	494	1	297	494	1	297	494	1	297	494	1	297				
LNAV/VNAV DA	527	1	330	527	1	330	527	1	330	527	1	330				
LNAV MDA	620	1	423	620	1	423	620	1 1/4	423	620	1 1/4	423				
CIRCLING	820	1	623	880	1	683	1060	2 1/2	863	1060	2 3/4	863				
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 197 TDZE: 197			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
METTER, GA		AIRPORT NAME:					RNAV (GPS) RWY 28, AMDT 1					AMDT: ORIG				
		METTER MUNI					26 MAY 2016					DATED 06/05/2008				



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

*RNAV ONLY

CHART NOTE: USE CLAXTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE VIDALIA ALTIMETER SETTING AND INCREASE LPV DA TO 500, RNAV/VNAV DA TO 533, INCREASE ALL MDA 20 FEET, INCREASE RNAV/VNAV ALL CATS AND RNAV CAT C/D VISIBILITY 1/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT LOTTS ON V154 NORTHWEST BOUND.

CITY AND STATE

METTER, GA

ELEVATION: 197

TDZE: 197

AIRPORT NAME:

METTER MUNI

FACILITY
IDENTIFIER:

RNAV

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RNAV (GPS) RWY 28, AMDT 1
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SUP:

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QUALITY
10
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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CITY AND STATE
METTER, GA

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RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMHP
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	322225.1605N
LTP/FTP LONGITUDE	0820424.0280W
LTP/FTP ELLIPSOIDAL HEIGHT	+00302
FPAP LATITUDE	322229.3545N
FPAP LONGITUDE	0820609.1195W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	94163FE7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00597
FPAP ORTHOMETRIC HEIGHT	+00597

CITY AND STATE

METTER, GA

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ROUTES														
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LOTTS	010	LOTTS	HF	FO		291.5			R			AA 03000		EE A
	010	LOTTS	IF	FB								AA 03000		E I
	020	JAMEB	TF	FB	1.0	294.7				RW28		AA 01800		E F
	021	CULIX	TF	FB	0.3	279.8		3.00				AA 00920 GS 00922		E S
	030	RW28	TF	FO	0.3	279.8		3.00				AT 00253		GY M
	040		CA	FB		279.8						AA 00700		M
	050	LOTTS	DF	FO					L			AA 03000		EY
	060	LOTTS	HM	FO		291.5			R			AA 03000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
CULIX			N322219.19			W0820155.42								
JAMEB			N322211.27			W0815840.24								
LOTTS			N322011.64			W0815118.42								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW28		N322225.16			W0820424.03			00196			57			

CITY AND STATE METTER, GA	ELEVATION: 197	TDZE: 197	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: METTER MUNI		RNAV	RNAV (GPS) RWY 28, AMDT 1	AMDT: ORIG
				26 MAY 2016	DATED: 06/05/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			ILS: DA LOC: 4.19 MILES AFTER TOMMI LOM OR AT SUX 5.09 DME FIX									
SUX VORTAC			TOMMI LOM			309.44 / 9.28			3100			CLIMB TO 3300 DIRECT SUX VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3300 (TACAN AIRCRAFT CONTINUE ON SUX VORTAC R-132 TO PARRC/12.00 DME AND HOLD SE, RT, 312.00 INBOUND), OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3100 DIRECT TOMMI LOM AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SE, RT, 312.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW TOMMI LOM, RT, 132.68 INBOUND. FAS OBST: 1309 AAO 422651N/0962711W CHART IN PLANVIEW: TOMMI LOM. CHART SUX R-238 AT GEGGE. CHART SUX R-037 AT FEXAT. CHART SUX R-346 AT LUGDE. CHART CIRCLING ICON.									
GEGGE/SUX 19.00 DME CW (IAF)			HASAS/SUX 19.00 DME (NOPT)			19.00 DME ARC (SUX LR-301)			3100												
FEXAT/SUX 19.00 DME CCW (IAF)			LUGDE/SUX 19.00 DME (NOPT)			19.00 DME ARC			4400												
LUGDE/SUX 19.00 DME CCW			HASAS/SUX 19.00 DME			19.00 DME ARC (SUX LR-314)			3100												
HASAS/SUX 19.00 DME (IF)			TOMMI LOM			132.68 / 9.73			2600												
1. PT <u>L</u> SIDE OF COURSE <u>312.68</u> OUTBOUND <u>3100</u> FT WITHIN <u>15</u> MILES OF <u>TOMMI LOM</u> (IAF)												MAG VAR: 3E EPOCH YEAR: 2020									
2.																					
3. FAC: <u>132.68</u> FAF: <u>TOMMI LOM</u> DIST FAF TO MAP: <u>4.19</u> THLD: <u>4.19</u>																					
4. MIN. ALT: <u>TOMMI LOM 2600</u>																					
5. DIST TO THLD FROM OM: <u>4.19</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1050</u>																					
6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>-</u> OM: <u>2498</u> MM: <u>-</u> IM: <u>-</u>																					
7. GS ANGLE: <u>3.00</u> TCH: <u>54.0</u>																					
8. MSA FROM: <u>OI LOM 360-090 4400, 090-360 3500</u>																					
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @										
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 13	1295	4000	200	1295	4000	200	1295	4000	200	1295	4000	200	1295	4000	200						
S-LOC 13	1580	4000	485	1580	4000	485	1580	6000	485	1580	6000	485	1580	6000	485						
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742	2000	3	902						
NOTES: CHART PLANVIEW NOTE: ADF OR DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING: INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET; INCREASE S-LOC 13 CATS C/D/E VISIBILITY TO 1 3/8 MILE; INCREASE (CONTINUED ON PAGE 2)																					
CITY AND STATE SIOUX CITY, IA			ELEVATION: 1098 TDZE: 1095 AIRPORT NAME: SIOUX GATEWAY/COL BUD DAY FIELD				FACILITY IDENTIFIER: I-OIQ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 2C 26 MAY 2016					SUP: AMDT: 2B DATED 02/05/2015							

QUALITY
10
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CIRCLING CAT C VISIBILITY TO 2 MILES, CAT D TO 2 3/4 MILE.
CHART NOTE: FOR INOPERATIVE MALS INCREASE S-LOC 13 CATS C/D/E VISIBILITY TO 1 3/8 MILE.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 13 ALL CATS.
CHART NOTE: FOR INOPERATIVE MALS WHEN USING LE MARS ALTIMETER SETTING, INCREASE S-ILS 13 ALL CATS VISIBILITY TO RVR 4500 AND S-LOC 13 CATS C/D/E TO 1 5/8 MILE.

CITY AND STATE SIOUX CITY, IA	ELEVATION: 1098 AIRPORT NAME: SIOUX GATEWAY/COL BUD DAY FIELD	TDZE: 1095	FACILITY IDENTIFIER: I-OIQ	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 2C 26 MAY 2016	SUP:
					AMDT: 2B
					DATED: 02/05/2015



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KSUX

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
FEXAT	010	FEXAT	IF	FB			SUX							E A
FEXAT	020	LUGDE	AF	FB		037.4	SUX		L			AA 04400		E
FEXAT	030	HASAS	AF	FB		346.0	SUX		L			AA 03100		EE B
GEGGE	010	GEGGE	IF	FB			SUX							E A
GEGGE	020	HASAS	AF	FB		238.0	SUX		R			AA 03100		EE B
SUX	010	SUX	IF	FB										V
SUX	020	TOMMI	TF	FB								AA 03100		E
SUX	030	TOMMI	PI	FB		267.7	IOIQ		R			AA 03100		EE A
	010	HASAS	IF	FB			IOIQ					AA 03100 GI 02600		E I
	020	TOMMI	CF	FB		133.0	IOIQ	3.00		OI		GI 02600 GS 02498		E F
	030	RW13	CF	FO		133.0	IOIQ	3.00				AT 01147		GY M
	040	SUX	DF	FO								AA 03300		VYM
	050	SUX	HM	FO		312.0			R			AA 03300		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
SUX	N422040.26	W0961925.12
FEXAT	N423345.91	W0960048.91
GEGGE	N421312.97	W0964257.85
HASAS	N423430.02	W0963701.45
LUGDE	N423936.28	W0962139.78
TOMMI	N422732.92	W0962749.01
IOIQ (LOC)	N422321.07	W0962216.88
OI	N422736.39	W0962744.01

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW13	N422433.07	W0962351.73	01093	54.0

QUALITY
28
CHECKED

CITY AND STATE
SIOUX CITY, IA

ELEVATION: **1098** TDZE: **1095**
AIRPORT NAME:
SIOUX GATEWAY/COL BUD DAY FIELD

FACILITY
IDENTIFIER:
I-OIQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 13, AMDT 2C
26 MAY 2016

SUP:
AMDT: **2B**
DATED: **02/05/2015**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.			
ARINC SUMMARY - KSUX ROUTES															
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE	
FEXAT	010	FEXAT	IF	FB			SUX							E A	
FEXAT	020	LUGDE	AF	FB		037.4	SUX		L			AA 04400		E	
FEXAT	030	HASAS	AF	FB		346.0	SUX		L			AA 03100		EE B	
GEGGE	010	GEGGE	IF	FB			SUX							E A	
GEGGE	020	HASAS	AF	FB		238.0	SUX		R			AA 03100		EE B	
SUX	010	SUX	IF	FB										V	
SUX	020	TOMMI	TF	FB								AA 03100		E	
SUX	030	TOMMI	PI	FB		267.7	IOIQ		R			AA 03100		EE A	
	010	HASAS	IF	FB			IOIQ					AA 03100		E I	
	020	TOMMI	CF	FB		133.0	IOIQ			OI		AA 02600		E F	
	030	RW13	CF	FO		133.0	IOIQ	3.27				AT 01147		GY M	
	040	SUX	DF	FO								AA 03300		VYM	
	050	SUX	HM	FO		312.0			R			AA 03300		VE	
POINTS															
POINT NAME					LATITUDE	LONGITUDE									
SUX					N422040.26	W0961925.12									
FEXAT					N423345.91	W0960048.91									
GEGGE					N421312.97	W0964257.85									
HASAS					N423430.02	W0963701.45									
LUGDE					N423936.28	W0962139.78									
TOMMI					N422732.92	W0962749.01									
IOIQ (LOC)					N422321.07	W0962216.88									
OI					N422736.39	W0962744.01									
RUNWAYS															
RUNWAY					THRESHOLD LATITUDE					THRESHOLD LONGITUDE				THRESHOLD ELEVATION	PROCEDURE TCH
RW13					N422433.07					W0962351.73				01093	54.0



CITY AND STATE SIoux CITY, IA	ELEVATION: 1098	TDZE: 1095	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SIoux GATEWAY/COL BUD DAY FIELD		I-OIQ	ILS OR LOC RWY 13, AMDT 2C	26 MAY 2016
	DATED: 02/05/2015				

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			ILS: DA LOC: 5.36 MILES AFTER SALIX LOM									
SUX VORTAC			SALIX LOM			115.58 / 1.80			3000			CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2900 DIRECT SUX VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE ON SUX VORTAC R-132 TO PARRC/SUX 12.00 DME AND HOLD SE, RT, 312.00 INBOUND), OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2900 DIRECT TOMMI LOM AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SE, RT, 312.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW TOMMI LOM, RT, 132.68 INBOUND. FAS OBST: 1299 AAO 422032N/0961846W CHART IN PLANVIEW: TOMMI LOM. CHART SUX R-037 AT CEKEG. CHART SUX R-238 AT DECQA. CHART IN PLANVIEW: TOMMI OM. CHART CIRCLING ICON.									
CEKEG/SUX 10.00 DME CW (IAF)			EKUCE/SUX 10.00 DME (NOPT)			10.00 DME ARC (SUX LR-113)			3000												
DECQA/SUX 10.00 DME CCW (IAF)			EKUCE/SUX 10.00 DME (NOPT)			10.00 DME ARC (SUX LR-137)			3000												
EKUCE/SUX 10.00 DME (IF)			SALIX LOM			312.69 / 8.23			2900												
1. PT <u>L</u> SIDE OF COURSE <u>132.69</u> OUTBOUND <u>2900</u> FT WITHIN <u>15</u> MILES OF <u>SALIX LOM</u> (IAF)												MAG VAR: 3E EPOCH YEAR: 2020									
2. _____																					
3. FAC: <u>312.69</u> FAF: <u>SALIX LOM</u> DIST FAF TO MAP: <u>5.36</u> THLD: <u>5.36</u>																					
4. MIN. ALT: <u>SALIX LOM 2900</u>																					
5. DIST TO THLD FROM OM: <u>5.36</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>974</u>																					
6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>-</u> OM: <u>2868</u> MM: <u>-</u> IM: <u>-</u>																					
7. GS ANGLE: <u>3.00</u> TCH: <u>43.0</u>																					
8. MSA FROM: <u>SU LOM 270-090 4400, 090-270 3100</u>																					
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @										
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 31**	1296	2400	200	1296	2400	200	1296	2400	200	1296	2400	200	1296	2400	200						
S-LOC 31	1560	2400	464	1560	2400	464	1560	5000	464	1560	5000	464	1560	5000	464						
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742	2000	3	902						
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET. INCREASE S-LOC 31 CATS C/D/E VISIBILITY TO RVR 6000, CIRCLING (CONTINUED ON PAGE 2)																					
CITY AND STATE SIOUX CITY, IA			ELEVATION: 1098 TDZE: 1096 AIRPORT NAME: SIOUX GATEWAY/COL BUD DAY FIELD				FACILITY IDENTIFIER: I-SUX		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 31, AMDT 25D 26 MAY 2016						SUP: AMDT: 25C DATED 02/05/2015						

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
CAT C VISIBILITY TO 2 MILES AND CAT D TO 2 3/4 MILES.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-ILS 31 CAT E VISIBILITY TO RVR 4000, S-LOC 31 CAT C/D/E TO 1 3/8 MILE. FOR INOPERATIVE MALSR WHEN USING LE MARS ALTIMETER SETTING, INCREASE S-ILS 31 ALL CATS VISIBILITY TO RVR 4500, S-LOC 31 CAT E TO 1 5/8 MILE.



CITY AND STATE SIOUX CITY, IA	ELEVATION: 1098 TDZE: 1096 AIRPORT NAME: SIOUX GATEWAY/COL BUD DAY FIELD	FACILITY IDENTIFIER: I-SUX	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 31, AMDT 25D 26 MAY 2016	SUP:
				AMDT: 25C
				DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
ARINC SUMMARY - KSUX ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CEKEG	010	CEKEG	IF	FB			SUX							E A
CEKEG	020	EKUCE	AF	FB		037.4	SUX		R			AA 03000		EE B
DECGA	010	DECGA	IF	FB			SUX							E A
DECGA	020	EKUCE	AF	FB		238.0	SUX		L			AA 03000		EE B
SUX	010	SUX	IF	FB										V
SUX	020	SALIX	TF	FB								AA 03000		E
SUX	030	SALIX	PI	FB		087.7	ISUX		R			AA 02900		EE A
	010	EKUCE	IF	FB			ISUX					AA 03000 GI 02900		E I
	020	SALIX	CF	FB		313.0	ISUX	3.00		SU		GI 02900 GS 02868		E F
	030	RW31	CF	FO		313.0	ISUX	3.00				AT 01136		GY M
	040		CA	FB		312.7						AA 02000		M
	050	SUX	DF	FO					L			AA 02900		VY
	060	SUX	HM	FO		312.0			R			AA 02900		VE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
SUX			N422040.26			W0961925.12								
CEKEG			N422734.14			W0960938.61								
DECGA			N421645.45			W0963149.36								
EKUCE			N421345.10			W0960941.30								
SALIX			N421939.26			W0961725.23								
ISUX (LOC)			N422443.15			W0962405.02								
SU			N421939.10			W0961725.81								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW31		N422329.45		W0962227.92		01093		43						

QUALITY
15
CHECKED

CITY AND STATE SIoux CITY, IA	ELEVATION: 1098	TDZE: 1096	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SIoux GATEWAY/COL BUD DAY FIELD		I-SUX	ILS OR LOC RWY 31, AMDT 25D 26 MAY 2016	AMDT: 25C
				DATED: 02/05/2015	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																																						
ARINC SUMMARY - KSUX ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>CEKEG</td><td>010</td><td>CEKEG</td><td>IF</td><td>FB</td><td></td><td></td><td>SUX</td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>CEKEG</td><td>020</td><td>EKUCE</td><td>AF</td><td>FB</td><td></td><td>037.4</td><td>SUX</td><td></td><td>R</td><td></td><td></td><td>AA 03000</td><td></td><td>EE B</td></tr> <tr><td>DECGA</td><td>010</td><td>DECGA</td><td>IF</td><td>FB</td><td></td><td></td><td>SUX</td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>DECGA</td><td>020</td><td>EKUCE</td><td>AF</td><td>FB</td><td></td><td>238.0</td><td>SUX</td><td></td><td>L</td><td></td><td></td><td>AA 03000</td><td></td><td>EE B</td></tr> <tr><td>SUX</td><td>010</td><td>SUX</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>V</td></tr> <tr><td>SUX</td><td>020</td><td>SALIX</td><td>TF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 03000</td><td></td><td>E</td></tr> <tr><td>SUX</td><td>030</td><td>SALIX</td><td>PI</td><td>FB</td><td></td><td>087.7</td><td>ISUX</td><td></td><td>R</td><td></td><td></td><td>AA 02900</td><td></td><td>EE A</td></tr> <tr><td></td><td>010</td><td>EKUCE</td><td>IF</td><td>FB</td><td></td><td></td><td>ISUX</td><td></td><td></td><td></td><td></td><td>AA 03000</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>SALIX</td><td>CF</td><td>FB</td><td></td><td>313.0</td><td>ISUX</td><td></td><td></td><td>SU</td><td></td><td>AA 02900</td><td></td><td>E F</td></tr> <tr><td></td><td>030</td><td>RW31</td><td>CF</td><td>FO</td><td></td><td>313.0</td><td>ISUX</td><td>3.11</td><td></td><td></td><td></td><td>AT 01136</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>312.7</td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>SUX</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td>L</td><td></td><td></td><td>AA 02900</td><td></td><td>VY</td></tr> <tr><td></td><td>060</td><td>SUX</td><td>HM</td><td>FO</td><td></td><td>312.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02900</td><td></td><td>VE</td></tr> </tbody> </table> POINTS <table style="width:100%; 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CITY AND STATE SIoux CITY, IA					ELEVATION: 1098 TDZE: 1096 AIRPORT NAME: SIoux GATEWAY/COL BUD DAY FIELD					FACILITY IDENTIFIER: I-SUX		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 31, AMDT 25D 26 MAY 2016			SUP: AMDT: 25C DATED: 02/05/2015																																																																																																																																																																																																																																																			

QUALITY
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RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 3900 DIRECT WAVUK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 312.82 INBOUND. FAS OBST: 1320 AAO 422650N/0962717W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.49 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 57911 REFERENCE PATH ID: W13A CHART CIRCLING ICON. LTP HAE: 307.1 M							
SUX VORTAC	VOGYU (FO)	313.98 / 16.08				3500									
ATLES	JOVDU (FB)	056.02 / 12.03				3500									
OYENS	WAGUX (FB)	240.25 / 19.41				3500									
JOVDU (IAF)	VOGYU (NOPT) (FB)	042.51 / 5.00				3500									
WAGUX (IAF)	VOGYU (NOPT) (FB)	222.61 / 5.00				3500									
VOGYU (IF/IAF)	YABUR (FB)	132.56 / 6.80				2500									
YABUR (FAF)	RW13 (MAP) (FO)	132.63 / 4.20													
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW VOGYU, RT, 132.56 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 132.63 FAF: YABUR DIST FAF TO MAP: 4.20 THLD: 4.20 4. MIN. ALT: VOGYU 3500, YABUR 2500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: YABUR 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS CLEAR 8. MSA FROM: RW13 4400										MAG VAR: 3E EPOCH YEAR: 2020					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1295	4000	200	1295	4000	200	1295	4000	200	1295	4000	200	1295	4000	200
LNAV/VNAV DA	1582	1 3/8	487	1582	1 3/8	487	1582	1 3/8	487	1582	1 3/8	487	1582	1 3/8	487
LNAV MDA	1620	4000	525	1620	4000	525	1620	1 1/4	525	1620	1 1/4	525	1620	1 1/4	525
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742	2000	3	902
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LE MARS ALTIMETER SETTING. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 1098 TDZE: 1095		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
SIOUX CITY, IA		AIRPORT NAME:		SIOUX GATEWAY/COL BUD DAY FIELD		RNAV (GPS) RWY 13, ORIG-D 26 MAY 2016				AMDT: ORIG-C					
										DATED 02/05/2015					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD					
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
RW13 (MAP)		1295 MSL	132.63		
1295 MSL		WAVUK (FO)		3900	
NOTES, (CONT.):					
CHART NOTE: DME/DME RNP-0.3 NA.					
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SUX VORTAC AIRWAY RADIALS 298 CW 331.					
CHART PROFILE NOTE - VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).					
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D/E VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE.					
CHART NOTE: FOR INOPERATIVE MALS, INCREASE LNAV/VNAV CAT D/E VISIBILITY TO 1 5/8 MILE AND LNAV CAT D/E VISIBILITY TO 1 1/2 MILE. WHEN USING LE MARS ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV CATS C/D/E VISIBILITY TO 1 7/8, AND LNAV CATS C/D/E VISIBILITY TO 1 3/4.					
CITY AND STATE		ELEVATION: 1098	TDZE: 1095	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
SIOUX CITY, IA		AIRPORT NAME:		RNAV	RNAV (GPS) RWY 13, ORIG-D
		SIOUX GATEWAY/COL BUD DAY FIELD			26 MAY 2016
					SUP: 10
					AMDT: ORIG-C
					DATED: 02/05/2015

QUALITY
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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSUX
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	422433.0730N
LTP/FTP LONGITUDE	0962351.7300W
LTP/FTP ELLIPSOIDAL HEIGHT	+03071
FPAP LATITUDE	422329.2970N
FPAP LONGITUDE	0962227.7210W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	690E6A5D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03332
FPAP ORTHOMETRIC HEIGHT	+03332

CITY AND STATE
SIOUX CITY, IA

ELEVATION: 1098 TDZE: 1095
AIRPORT NAME:
SIOUX GATEWAY/COL BUD DAY FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, ORIG-D
26 MAY 2016

SUP: **QUALITY
10
CHECKED**
AMDT: ORIG-C
DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																																																																						
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CITY AND STATE SIoux CITY, IA		ELEVATION: 1098 TDZE: 1095 AIRPORT NAME: SIoux GATEWAY/COL BUD DAY FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG-D 26 MAY 2016		SUP: AMDT: ORIG-C DATED: 02/05/2015																																																																																																																																																																																																																																																																																										

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TERMINAL ROUTES											MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 3200 DIRECT POGAE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 357.68 INBOUND. CHART FAS OBST: 1252 ELEVATOR 422610N/0962258W CHART: 1361 TOWER 422715N/0962219W DISTANCE TO THLD FROM 266 HAT: 0.67 NM. CHART VDP AT 1.10 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 77838 REFERENCE PATH ID: W17A CHART CIRCLING ICON. LTP HAE: 308.4 M							
JMBON (IF/IAF)		AKJAW (FB)		177.68 / 6.00			2900									
AKJAW (FAF)		WEPDA/2.30 NM TO RW17 RW17(FB)		177.68 / 3.19												
WEPDA/2.30 NM TO RW17		(MAP) (FO)		177.68 / 2.30												
RW17 (MAP)		1364 MSL		177.68			3200									
1364 MSL		POGAE (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N JMBON, RT, 177.68 INBOUND, 3400 FT. IN LIEU OF PT (IAF) 3. FAC: 177.68 FAF: AKJAW DIST FAF TO MAP: 5.49 THLD: 5.49 4. MIN. ALT: JMBON 3400, AKJAW 2900, WEPDA/2.30 NM TO RW17 1880* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: AKJAW 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS NOT CLEAR 8. MSA FROM: _____											MAG VAR: 3E		EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1364	7/8	266	1364	7/8	266	1364	7/8	266	1364	7/8	266				
LNAV/VNAV DA	1531	1 3/8	433	1531	1 3/8	433	1531	1 3/8	433	1531	1 3/8	433				
LNAV MDA	1520	1	422	1520	1	422	1520	1 1/4	422	1520	1 1/4	422				
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LE MARS ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 1098 TDZE: 1098		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:		QUALITY 10 CHECKED						
SIOUX CITY, IA		AIRPORT NAME:				RNAV (GPS) RWY 17, AMDT 1		AMDT: ORIG-D								
		SIOUX GATEWAY/COL BUD DAY FIELD				26 MAY 2016		DATED 08/21/2014								

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE

ALL DA 70 FEET AND VISIBILITY 1/4 MILE. INCREASE ALL MDA 80 FEET AND LNAV CATS C/D VISIBILITY 1/8

MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CHART PROFILE NOTE - VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

TAA

	FROM	TO	ALT
1.	088/30 CW 268/30 (NOPT)	088/4 CW 268/4	4400
2.	088/4 CW 268/4	JMBON (IF/IAF) (FB)	3400
3.	268/30 CW 088/30	268/4 CW 088/4	4400
4.	268/4 CW 088/4	JMBON (IAF) (FO)	3400

CITY AND STATE

SIOUX CITY, IA

ELEVATION: 1098

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AIRPORT NAME:

SIOUX GATEWAY/COL BUD DAY FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

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CHECKED

ORIG-D

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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSUX
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	422453.0220N
LTP/FTP LONGITUDE	0962254.8935W
LTP/FTP ELLIPSOIDAL HEIGHT	+03084
FPAP LATITUDE	422323.8980N
FPAP LONGITUDE	0962256.3205W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

46C0D1AE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03345
FPAP ORTHOMETRIC HEIGHT	+03345

QUALITY
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CITY AND STATE

SIOUX CITY, IA

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JMBON	010	JMBON	HF	FO		177.7			R			AA 03400		EE A		
	010	JMBON	IF	FB								AA 03400		E I		
	020	AKJAW	TF	FB	1.0	177.7						AA 02900		E F		
	021	WEPDA	TF	FB	0.3	177.7		3.00				AA 01880 GS 01884		E S		
	030	RW17	TF	FO	0.3	177.7		3.00				AT 01152		GY M		
	040		CA	FB		177.7						AA 01364		M		
	050	POGAE	DF	FO								AA 03200		EY		
	060	POGAE	HM	FO		357.7			R			AA 03200		EE		
POINTS																
POINT NAME					LATITUDE					LONGITUDE						
AKJAW					N423022.53					W0962249.61						
JMBON					N423622.62					W0962243.81						
POGAE					N421122.82					W0962307.82						
WEPDA					N422711.06					W0962252.68						
RUNWAYS																
RUNWAY					THRESHOLD LATITUDE					THRESHOLD LONGITUDE					THRESHOLD ELEVATION	PROCEDURE TCH
RW17					N422453.02					W0962254.89					01098	54

QUALITY
10
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CITY AND STATE SIoux CITY, IA	ELEVATION: 1098	TDZE: 1098	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SIoux GATEWAY/COL BUD DAY FIELD		RNAV	RNAV (GPS) RWY 17, AMDT 1	AMDT: ORIG-D
				26 MAY 2016	DATED: 08/21/2014

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3500 DIRECT VOGYU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 132.56 INBOUND. FAS OBST: 1289 AAO 422118N/0961900W DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.29 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 90211 REFERENCE PATH ID: W31A CHART: CIRCLING ICON LTP HAE: 307.1 M					
CUSHO		USOSE (FB)		242.32 / 16.40				3900							
DECKA		ZAGTA (FB)		356.91 / 15.22				3900							
SUX VORTAC		WAVUK (FO)		130.33 / 8.41				3900							
USOSE (IAF)		WAVUK (NOPT) (FB)		222.87 / 5.00				3900							
ZAGTA (IAF)		WAVUK (NOPT) (FB)		042.77 / 5.00				3900							
WAVUK (IF/IAF)		TOVUY (FB)		312.82 / 6.55				2900							
TOVUY (FAF)		RW31 (MAP) (FO)		312.75 / 5.45											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE WAVUK, RT, 312.82 INBOUND, 3900 FT. IN LIEU OF PT (IAF) 3. FAC: 312.75 FAF: TOVUY DIST FAF TO MAP: 5.45 THLD: 5.45 4. MIN. ALT: WAVUK 3900, TOVUY 2900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: TOVUY 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 42.7 34:1 IS CLEAR 8. MSA FROM: RW31 4400															
										MAG VAR: 3E			EPOCH YEAR: 2020		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1296	2400	200	1296	2400	200	1296	2400	200	1296	2400	200	1296	2400	200
LNAV/VNAV DA	1596	1 1/4	500	1596	1 1/4	500	1596	1 1/4	500	1596	1 1/4	500	1596	1 1/4	500
LNAV MDA	1560	2400	464	1560	2400	464	1560	5000	464	1560	5000	464	1560	5000	464
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742	2000	3	902
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SUX VORTAC AIRWAY RADIALS 105 CW 150. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 1098 TDZE: 1096		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		DATED			
SIOUX CITY, IA		AIRPORT NAME:		SIOUX GATEWAY/COL BUD DAY FIELD		RNAV (GPS) RWY 31, ORIG-D 26 MAY 2016				AMDT:		ORIG-C			
												01/08/2015			

 QUALITY
4
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD					
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO		COURSE AND DISTANCE	ALTITUDE
RW31 (MAP)		1296 MSL		312.75	
1296 MSL		VOGYU (FO)			3500
NOTES, (CONT.):					
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILES AND LNAV CATS C/D/E VISIBILITY TO RVR 6000, INCREASE CIRCLING CATS C/D VISIBILITY 1/4 MILE.					
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E VISIBILITY TO RVR 4000; INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 1/2 MILES AND LNAV CATS C/D/E VISIBILITY TO 1 3/8 MILE.					
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING LE MARS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500; INCREASE LNAV/VNAV CAT E VISIBILITY TO 2 MILES; INCREASE LNAV CAT E VISIBILITY TO 1 5/8 MILE.					
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).					
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING LE MARS ALTIMETER SETTING.					
CITY AND STATE		ELEVATION: 1098	TDZE: 1096	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
SIOUX CITY, IA		AIRPORT NAME:		RNAV	RNAV (GPS) RWY 31, ORIG-D
		SIOUX GATEWAY/COL BUD DAY FIELD			26 MAY 2016
					SUP: 4
					AMDT: ORIG-C
					DATED: 01/08/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSUX
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	422329.4490N
LTP/FTP LONGITUDE	0962227.9195W
LTP/FTP ELLIPSOIDAL HEIGHT	+03071
FPAP LATITUDE	422433.2200N
FPAP LONGITUDE	0962351.9365W
THRESHOLD CROSSING HEIGHT (TCH)	00042.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 1400A898

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03332
FPAP ORTHOMETRIC HEIGHT	+03332

CITY AND STATE
SIOUX CITY, IA

ELEVATION: 1098 TDZE: 1096
AIRPORT NAME:
SIOUX GATEWAY/COL BUD DAY FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, ORIG-D
26 MAY 2016

SUP: 4
AMDT: ORIG-C
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QUALITY
4
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																																																																							
ARINC SUMMARY - KSUX ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>CUSHO</td><td>010</td><td>CUSHO</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td>CUSHO</td><td>020</td><td>USOSE</td><td>TF</td><td>FB</td><td>2.0</td><td>242.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 03900</td><td></td><td>E A</td></tr> <tr><td>CUSHO</td><td>030</td><td>WAVUK</td><td>TF</td><td>FB</td><td>1.0</td><td>222.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 03900</td><td></td><td>EE B</td></tr> <tr><td>DECKA</td><td>010</td><td>DECKA</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td>DECKA</td><td>020</td><td>ZAGTA</td><td>TF</td><td>FB</td><td>2.0</td><td>356.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 03900</td><td></td><td>E A</td></tr> <tr><td>DECKA</td><td>030</td><td>WAVUK</td><td>TF</td><td>FB</td><td>1.0</td><td>042.8</td><td></td><td></td><td></td><td></td><td></td><td>AA 03900</td><td></td><td>EE B</td></tr> <tr><td>SUX</td><td>010</td><td>SUX</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>V</td></tr> <tr><td>SUX</td><td>020</td><td>WAVUK</td><td>TF</td><td>FO</td><td>2.0</td><td>130.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 03900</td><td></td><td>EY</td></tr> <tr><td>SUX</td><td>030</td><td>WAVUK</td><td>HF</td><td>FO</td><td></td><td>312.8</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03900</td><td></td><td>EE A</td></tr> <tr><td></td><td>010</td><td>WAVUK</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 03900</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>TOVUY</td><td>TF</td><td>FB</td><td>1.0</td><td>312.8</td><td></td><td></td><td></td><td>RW31</td><td></td><td>AA 02900</td><td></td><td>E F</td></tr> <tr><td></td><td>030</td><td>RW31</td><td>TF</td><td>FO</td><td>0.3</td><td>312.8</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 01136</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>312.8</td><td></td><td></td><td></td><td></td><td></td><td>AA 01296</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>VOGYU</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 03500</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>VOGYU</td><td>HM</td><td>FO</td><td></td><td>132.6</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03500</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; 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POGAE (IF/IAF)		CURNS (FB)		357.68 / 6.60			3000												
CURNS (FAF)		MITTN/2.40 NM TO RW35 (FB)		357.68 / 3.41															
MITTN/2.40 NM TO RW35		RW35 (MAP) (FO)		357.68 / 2.40															
RW35 (MAP)		1346 MSL		357.68			3400												
1346 MSL		JMBON (FO)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S POGAE, RT, 357.68 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: 357.68 FAF: CURNS DIST FAF TO MAP: 5.81 THLD: 5.81 4. MIN. ALT: POGAE 3200, CURNS 3000, MITTN/2.40 NM TO RW35 1900* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: CURNS 3000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 3E		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	1346	3/4	250	1346	3/4	250	1346	3/4	250	1346	3/4	250							
LNAV/VNAV DA	1362	7/8	266	1362	7/8	266	1362	7/8	266	1362	7/8	266							
LNAV MDA	1460	1	364	1460	1	364	1460	1	364	1460	1	364							
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LE MARS ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																			
CITY AND STATE SIOUX CITY, IA		ELEVATION: 1098 TDZE: 1096 AIRPORT NAME: SIOUX GATEWAY/COL BUD DAY FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 26 MAY 2016				SUP:									
										AMDT:									
										NONE									

QUALITY
 10
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND LPV AND LNAV/VNAV VISIBILITY 1/4 MILE, INCREASE ALL MDA 80 FEET AND LNAV CATS C/D VISIBILITY 3/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	268/30 CW 088/30 (NOPT)	POGAE (IF/IAF) (FB)	3200
2.	088/30 CW 268/30	088/15 CW 268/15	4400
3.	088/15 CW 268/15	POGAE (IAF) (FO)	3200

CITY AND STATE
SIOUX CITY, IA

ELEVATION: 1098 TDZE: 1096
AIRPORT NAME:
SIOUX GATEWAY/COL BUD DAY FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, ORIG
26 MAY 2016

SUP: **QUALITY
10
CHECKED**
AMDT: NONE
DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSUX
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	422347.8360N
LTP/FTP LONGITUDE	0962255.9340W
LTP/FTP ELLIPSOIDAL HEIGHT	+03075
FPAP LATITUDE	422516.9605N
FPAP LONGITUDE	0962254.5065W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 4FBB54BB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03337
FPAP ORTHOMETRIC HEIGHT	+03337

CITY AND STATE
SIOUX CITY, IA

ELEVATION: 1098 TDZE: 1096
AIRPORT NAME:
SIOUX GATEWAY/COL BUD DAY FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, ORIG
26 MAY 2016

SUP: **QUALITY
10
CHECKED**
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																	
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CITY AND STATE SIOUX CITY, IA		ELEVATION: 1098 TDZE: 1096 AIRPORT NAME: SIOUX GATEWAY/COL BUD DAY FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 26 MAY 2016		SUP: AMDT: NONE DATED:		QUALITY 10 CHECKED																																																																																																																																																																			

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
SIOUX CITY, IA	SIOUX GATEWAY/COL BUD DAY FIELD	26 MAY 2016	3A

TAKEOFF MINIMUMS:

RWY 13, 17, 31 STANDARD.
RWY 35, STANDARD WITH A MINIMUM CLIMB OF 250 FT PER NM TO 4200 OR 1600-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 31: CLIMB HEADING 312.69 TO 2000 BEFORE TURNING EAST.

VISUAL CLIMB OVER AIRPORT:

RWY 35: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS SIOUX GATEWAY/COL BUD DAY FIELD AT OR ABOVE 2500 MSL BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES BEGINNING 2242 FT FROM DER, 920 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1162 FT MSL.
NOTE: RWY 17, SIGN 41 FT FROM DER, 178 FT LEFT OF CENTERLINE, 4 FT AGL/1101 FT MSL.
NOTE: RWY 31, TREES BEGINNING 3018 FT FROM DER, 122 FT LEFT OF CENTERLINE, UP TO 82 FT/1171 FT MSL.
TREES BEGINNING 3100 FT FROM DER, 431 FT RIGHT OF CENTERLINE UP TO 100 FT AGL/1173 FT MSL.
TREES BEGINNING 3205 FT FROM DER, 669 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1174 FT MSL.
NOTE: RWY 35, REILS 10 FT FROM DER, 150 FT LEFT AND RIGHT OF CENTERLINE, UP TO 2 FT AGL/1101 FT MSL.
TREES BEGINNING 135 FT FROM DER, 323 FT RIGHT OF CENTERLINE, UP TO 6 FT AGL/1101 FT MSL.
TREES BEGINNING 473 FT FROM DER, 587 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/1157 FT MSL.
TREES BEGINNING 836 FT FROM DER, 495 FT RIGHT OF CENTERLINE, UP TO 87 FT AGL/1172 FT MSL.
TREES BEGINNING 1312 FT FROM DER, CROSSING LEFT TO RIGHT OF CENTERLINE, UP TO 87 FT AGL/1168 FT MSL.

CONTROLLING OBSTACLES:

RWY 35: 2395 MSL TOWER 423053.00N-0961816.00W (CLIMB GRADIENT), 3370 MSL TOWER 423512.00N-0961358.00W (CLIMB TO ALTITUDE).
RWY 35 (VCOA): 1498 MSL TOWER 422225.00N-0962654.00W, 3370 MSL TOWER 423512.00N-0961358.00W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:
RWY 31: 3370 MSL TOWER 423512.00N-0961358.00W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
SIOUX CITY, IA	SIOUX GATEWAY/COL BUD DAY FIELD	26 MAY 2016	3A

REMARKS:

FLIGHT INSPECTED BY:

BRIAN HANSEN

Digitally signed by
JACOB POWERS
Mar 16, 2016

02/12/2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DEANNA M. FIELDS

Digitally signed by
DEANNA M FIELDS AJV-5421
Oct 24, 2015

10/20/2015

APPROVED BY:

GEORGE GONZALEZ

AJV-5420

Digitally signed by
JACOB POWERS
Mar 16, 2016

COORDINATED WITH:

ZMP SUX APP CON SUX ATCT, AMGR

CHANGES:

1. RWY 31: CLIMB HEADING 309.69 TO 2000 BEFORE TURNING EAST CHANGED TO RWY 31: CLIMB HEADING 312.69 TO 2000 BEFORE TURNING EAST.
2. UPDATED LOW CLOSE IN OBSTACLES.
3. 3369 MSL TOWER 423512.00N-0961358.00W CHANGED TO 3370 MSL.
4. 1497 MSL TOWER 422225.00N-0962654.00W CHANGED TO 1498 MSL.
5. RAISED VCOA CEILING FROM 1400 TO 1600.
6. RAISED VCOA AT-OR-ABOVE ALTITUDE FROM 2300 TO 2500.

REASONS:

1. MAGNETIC VARIATION/YEAR: E06/1985 CHANGED TO MAGNETIC VARIATION/YEAR: E03/2020.
- 2-4. NEW SURVEY.
- 5-6. ACCURACY CODE APPLIED TO CONTROLLING OBSTACLE.



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: I-BTC 1.81 DME									
TOY VORTAC (IAF)				HETSU/I-BTC 11.81 DME				213.79 / 4.70				2200		CLIMB TO 2000 ON HEADING 139 AND ON ENL VORTAC R-277 TO DUTMY INT/ENL VORTAC 19.40 DME AND HOLD.									
HETSU/I-BTC 11.81 DME (IF)				WUMOT/I-BTC 6.81 DME				138.55 / 5.00 (I-BTC)				2200											
														ADDITIONAL FLIGHT DATA: HOLD E, RT, 277.48 INBOUND. CHART: ASR. CHART VDP AT 3.03 DME* DISTANCE VDP TO THLD 1.21 MILES. *LOC ONLY. CHART VLA R-203 AT DUTMY. CHART CIRCLING ICON.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 2W EPOCH YEAR: 2020									
2. PROFILE STARTS AT HETSU/I-BTC 11.81 DME																							
3. FAC: 138.55 FAF: WUMOT/I-BTC 6.81 DME DIST FAF TO MAP: _____ THLD: 5.00																							
4. MIN. ALT: HETSU 2200, WUMOT/I-BTC 6.81 DME 2200, JUGEG/I-BTC 4.81 DME 1600*																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1049																							
6. MIN GS INCPT: 2200 GS ALT AT: WUMOT 2200 OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 55.0																							
8. MSA FROM: TOY VORTAC 310-220 2200, 220-310 2700																							
MINIMUMS																							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: STANDARD #			LOC: STANDARD @										
CATEGORY =====>		A			B			C			D			E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
S-ILS 14L	642	4000	200	642	4000	200	642	4000	200	642	4000	200	642	4000	200								
S-LOC 14L	900	5500	458	900	5000	458	900	1 3/8	458	900	1 3/8	458	900	1 3/8	458								
CIRCLING	1000	1	541	1080	1	621	1240	2 1/4	781	1240	2 1/2	781	1240	2 3/4	781								
NOTES: CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS DOWNTOWN ALTIMETER SETTING; INCREASE DA TO 684 AND ALL MDA 60 FEET; INCREASE CIRCLING CATS C/D/E VISIBILITY 1/4 MILE.																							
CITY AND STATE BELLEVILLE, IL				ELEVATION: 459 TDZE: 442 AIRPORT NAME: SCOTT AFB/MIDAMERICA				FACILITY IDENTIFIER: I-BTC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 14L, ORIG-G 05/26/2016				SUP: ILS OR LOC/DME RWY 14L AMDT: ORIG-F DATED 05/28/2015									



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
TOY	010	TOY	FC	FB		213.8	TOY					AA 02200		V A
TOY	020	HETSU	CF	FB		213.8	IBTC					AA 02200		EE B
	010	HETSU	IF	FB			IBTC					AA 02200 GI 02200		E I
	020	WUMOT	CF	FB		139.0	IBTC	3.00		TOY		GI 02200 GS 02200		E F
	030	RW14L	CF	FO		139.0	IBTC	3.00				AT 00497		GY M
	040		VI	FB		139.0								M
	050	DUTMY	CF	FO		097.5	ENL					AA 02000		EY
	060	DUTMY	HM	FO		277.5			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ENL	N382512.00	W0890932.39
TOY	N384420.94	W0895506.93
IBTC (DME)	N383201.59	W0894827.59
DUTMY	N382901.49	W0893345.22
HETSU	N384038.02	W0895847.51
WUMOT	N383700.26	W0895423.83
IBTC (LOC)	N383203.27	W0894825.27

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW14L	N383322.31	W0895000.58	00442	55.0

QUALITY
15
CHECKED

CITY AND STATE
BELLEVILLE, IL

ELEVATION: **459** TDZE: **42**
AIRPORT NAME:
SCOTT AFB/MIDAMERICA

FACILITY
IDENTIFIER:
I-BTC

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 14L, ORIG-G
05/26/2016

SUP: **ILS OR LOC/DME
RWY 14L**
AMDT: **ORIG-F**
DATED: **05/28/2015**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																													
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CITY AND STATE BELLEVILLE, IL					ELEVATION: 459 TDZE: 42 AIRPORT NAME: SCOTT AFB/MIDAMERICA					FACILITY IDENTIFIER: I-BTC		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 14L, ORIG-G 05/26/2016			SUP: ILS OR LOC/DME RWY 14L AMDT: ORIG-F DATED: 05/28/2015																																																																																																																																																																																										

QUALITY
 15
 CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.31 MILES AFTER HELGU INT/SKE 5.92 DME OR AT 0.62 DME FIX							
TOY VORTAC (IAF)		DADNE INT/SKE 10.41 DME		220.69 / 5.80				2200		CLIMB TO 2200 THEN ON TOY VORTAC R-148 TO WOMUG INT AND HOLD.							
DADNE INT/SKE 10.41 DME (IF)		HELGU INT/SKE 5.92 DME		138.54 / 4.49 (I-OKX)				2200									
										ADDITIONAL FLIGHT DATA: HOLD SE, LT, 327.49 INBOUND. FAS OBST: 780 AAO 383629N/0895556W CHART CIRCLING ICON. CHART IN PLANVIEW ONLY: TOY 5.80 DME AT DADNE.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT DADNE INT/SKE 10.41 DME																	
3. FAC: 138.54 FAF: HELGU INT/SKE 5.92 DME DIST FAF TO MAP: 5.31 THLD: 5.31																	
4. MIN. ALT: DADNE 2200, HELGU 2200																	
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1101																	
6. MIN GS INCPT: 2200 GS ALT AT: HELGU 2200 OM: - MM: - IM: -																	
7. GS ANGLE: 3.00 TCH: 50.8																	
8. MSA FROM: TOY VORTAC 310-220 2200, 220-310 2700										MAG VAR: 2W				EPOCH YEAR: 2020			
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @			
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
S-ILS 14R**	659	2400	200	659	2400	200	659	2400	200	659	2400	200	659	2400	200		
S-LOC 14R	1040	2400	581	1040	2400	581	1040	1 1/4	581	1040	1 1/4	581	1040	1 1/2	581		
CIRCLING	1040	1	581	1080	1	621	1240	2 1/4	781	1240	2 1/2	781	1240	2 3/4	781		
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: DME FROM SKE TACAN. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 14R CAT E VISIBILITY TO RVR 4000 AND S-LOC 14R CAT E VISIBILITY TO 1 3/4 MILE.																	
CITY AND STATE BELLEVILLE, IL		ELEVATION: 459 TDZE: 459 AIRPORT NAME: SCOTT AFB/MIDAMERICA		FACILITY IDENTIFIER: I-OKX		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 14R, ORIG-F, 5/26/2016						SUP: AMDT: ORIG-E DATED 05/29/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 AIRPORT NAME: SCOTT AFB/MIDAMERICA	TDZE: 459	FACILITY IDENTIFIER: I-OKK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 14R, ORIG-F, 5/26/2016	SUP: 4
					AMDT: ~~CHECKED~~ ORIG-E
					DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
TOY	010	TOY	FC	FB		220.7	TOY					AA 02200		V A
TOY	020	DADNE	CF	FB		220.7	IOXK					AA 02200		EE B
	010	DADNE	IF	FB			IOXK					AA 02200 GI 02200		E I
	020	HELGU	CF	FB		139.0	IOXK	3.00		TOY		GI 02200 GS 02200		E F
	030	RW14R	CF	FO		139.0	IOXK	3.00				AT 00510		GY M
	040		CA	FB		138.5						AA 02200		M
	050	WOMUG	CF	FO		147.5	TOY					AA 02200		EY
	060	WOMUG	HM	FO		327.5			L			AA 02200		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
TOY	N384420.94	W0895506.93
DADNE	N384013.39	W0900019.20
HELGU	N383657.88	W0895622.47
WOMUG	N382151.65	W0893936.91
IOXK (LOC)	N383200.55	W0895023.32

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW14R	N383306.58	W0895142.98	00459	50.8

QUALITY
15
CHECKED

CITY AND STATE
BELLEVILLE, IL

ELEVATION: **459** TDZE: **459**
AIRPORT NAME:
SCOTT AFB/MIDAMERICA

FACILITY
IDENTIFIER:
I-OXK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 14R, ORIG-F, 5/26/2016

SUP:
AMDT: **ORIG-E**
DATED: **05/29/2014**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
TOY	010	TOY	FC	FB		220.7	TOY					AA 02200		V A
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	010	DADNE	IF	FB			IOXK					AA 02200		E I
	020	HELGU	CF	FB		139.0	IOXK			TOY		AA 02200		E F
	030	RW14R	CF	FO		139.0	IOXK	3.01				AT 00510		GY M
	040		CA	FB		138.5						AA 02200		M
	050	WOMUG	CF	FO		147.5	TOY					AA 02200		EY
	060	WOMUG	HM	FO		327.5			L			AA 02200		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
TOY	N384420.94	W0895506.93
DADNE	N384013.39	W0900019.20
HELGU	N383657.88	W0895622.47
WOMUG	N382151.65	W0893936.91
IOXK (LOC)	N383200.55	W0895023.32

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW14R	N383306.58	W0895142.98	00459	50.8

QUALITY
15
CHECKED

CITY AND STATE
BELLEVILLE, IL

ELEVATION: **459** TDZE: **459**
AIRPORT NAME:
SCOTT AFB/MIDAMERICA

FACILITY
IDENTIFIER:
I-OXK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 14R, ORIG-F, 5/26/2016

SUP:
AMDT: **ORIG-E**
DATED: **05/29/2014**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			ILS: DA LOC: 4.86 MILES AFTER GOOEY LOM/INT									
ENL VORTAC (IAF)			EGNOC INT			265.44 / 23.80			2400			CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 2400 ON HEADING 194 AND TOY VORTAC R-144 TO EGNOC INT AND HOLD.									
EGNOC INT (IF)			GOOEY LOM/INT			318.57 / 5.14 (I-JDU)			2200												
												ADDITIONAL FLIGHT DATA: HOLD SE, RT, 318.57 INBOUND. CHART FAS OBST: 515 TREE 383153N/0894828W CHART: ASR. CHART IN PLANVIEW ONLY: ENL VORTAC 23.80 DME AT EGNOC. CHART CIRCLING ICON.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. PROFILE STARTS AT EGNOC																					
3. FAC: 318.57 FAF: GOOEY LOM/INT DIST FAF TO MAP: 4.86 THLD: 4.86																					
4. MIN. ALT: EGNOC 2400, GOOEY LOM/INT 2200																					
5. DIST TO THLD FROM OM: 4.86 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1049																					
6. MIN GS INCPT: 2200 GS ALT AT: - OM: 2064 MM: - IM: -																					
7. GS ANGLE: 3.00 TCH: 55.0																					
8. MSA FROM: TOY VORTAC 310-220 2200, 220-310 2700												MAG VAR: 2W EPOCH YEAR: 2020									
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @										
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 32R**	642	2400	200	642	2400	200	642	2400	200	642	2400	200	642	2400	200						
S-LOC 32R	780	2400	338	780	2400	338	780	2600	338	780	2600	338	780	2600	338						
CIRCLING	1000	1	541	1080	1	621	1240	2 1/4	781	1240	2 1/2	781	1240	2 3/4	781						
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS DOWNTOWN ALTIMETER SETTING; INCREASE DA TO 684 FEET AND ALL MDA 60 FEET; INCREASE S-LOC 32R CAT C/D/E VISIBILITY TO RVR 3500 (CONTINUED ON PAGE 2)																					
CITY AND STATE BELLEVILLE, IL			ELEVATION: 459 TDZE: 442 AIRPORT NAME: SCOTT AFB/MIDAMERICA				FACILITY IDENTIFIER: I-JDU		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32R, ORIG-H, 5/26/2016					SUP: AMDT: ORIG-G DATED 10/15/2015							



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
AND INCREASE CIRCLING CAT C/D/E VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 32R CAT E VISIBILITY TO RVR 4000 AND INCREASE S-LOC 32R VISIBILITY TO RVR 5000.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ST LOUIS DOWNTOWN ALTIMETER SETTING, INCREASE S-ILS 32R CAT E VISIBILITY TO RVR 4000 AND INCREASE S-LOC 32R CAT E VISIBILITY TO RVR 6000.



CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 TDZE: 442 AIRPORT NAME: SCOTT AFB/MIDAMERICA	FACILITY IDENTIFIER: I-JDU	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32R, ORIG-H, 5/26/2016	SUP:
				AMDT: ORIG-G
				DATED: 10/15/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ENL	010	ENL	FC	FB		265.4	ENL					AA 02400		V A
ENL	020	EGNOC	CF	FB		265.4	IJDU					AA 02400		EE B
	010	EGNOC	IF	FB			IJDU					AA 02400 GI 02200		E I
	020	GOOEY	CF	FB		319.0	IJDU	3.00		TOY		GI 02200 GS 02064		E F
	030	RW32R	CF	FO		319.0	IJDU	3.00				AT 00497		GY M
	040		CA	FB		318.6						AA 01500		M
	050		VI	FB		194.0			R					
	060	EGNOC	CF	FO		144.2	TOY					AA 02400		EY
	070	EGNOC	HM	FO		318.6			R			AA 02400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ENL	N382512.00	W0890932.39
TOY	N384420.94	W0895506.93
EGNOC	N382454.05	W0893949.22
GOOEY	N382838.92	W0894419.50
IJDU (LOC)	N383329.56	W0895009.33

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32R	N383210.54	W0894834.04	00442	55

QUALITY
15
CHECKED

CITY AND STATE
BELLEVILLE, IL

ELEVATION: **459** TDZE: **442**
AIRPORT NAME:
SCOTT AFB/MIDAMERICA

FACILITY
IDENTIFIER:
I-JDU

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 32R, ORIG-H, 5/26/2016

SUP:
AMDT: **ORIG-G**
DATED: **10/15/2015**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ENL	010	ENL	FC	FB		265.4	ENL					AA 02400		V A
ENL	020	EGNOC	CF	FB		265.4	IJDU					AA 02400		EE B
	010	EGNOC	IF	FB			IJDU					AA 02400		E I
	020	GOOEY	CF	FB		319.0	IJDU			TOY		AA 02200		E F
	030	RW32R	CF	FO		319.0	IJDU	3.31				AT 00497		GY M
	040		CA	FB		318.6						AA 01500		M
	050		VI	FB		194.0			R					
	060	EGNOC	CF	FO		144.2	TOY					AA 02400		EY
	070	EGNOC	HM	FO		318.6			R			AA 02400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ENL	N382512.00	W0890932.39
TOY	N384420.94	W0895506.93
EGNOC	N382454.05	W0893949.22
GOOEY	N382838.92	W0894419.50
IJDU (LOC)	N383329.56	W0895009.33

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32R	N383210.54	W0894834.04	00442	55

QUALITY
15
CHECKED

CITY AND STATE
BELLEVILLE, IL

ELEVATION: **459** TDZE: **442**
AIRPORT NAME:
SCOTT AFB/MIDAMERICA

FACILITY
IDENTIFIER:
I-JDU

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 32R, ORIG-H, 5/26/2016

SUP:
AMDT: **ORIG-G**
DATED: **10/15/2015**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			ILS: DA LOC: SKE 0.67 DME FIX									
TOY VORTAC			SKE TACAN			160.82 / 12.03			2400			CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 DIRECT SKE TACAN AND ON SKE R-139 TO TIBLY INT/SKE 14.09 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 2400 ON HEADING 190 AND ON TOY VORTAC R-144 TO EGNOC/11.81 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 318.55 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE EGNOC INT/ENL VORTAC 23.80 DME, RT, 318.57 INBOUND. CHART IN PLANVIEW ONLY: ENL 23.21 DME AT TIBLY. FAS OBST: 660 AAO 382837N/0894555W CHART VDP AT 1.96 DME* DISTANCE VDP TO THLD 1.29 MILES. *LOC ONLY. CHART IN PLANVIEW: EGNOC. CHART CIRCLING ICON.									
SKE TACAN			BLVIL/SKE 6.66 DME			139.28 / 6.66			2400												
ENL VORTAC (IAF)			TIBLY INT/SKE 14.09 DME			259.26 / 23.21			2400												
TIBLY INT/SKE 14.09 DME (IF)			BLVIL/SKE 6.66 DME			318.55 / 7.44 (I-BLV)			2400												
1. PT <u>R</u> SIDE OF COURSE <u>138.55</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>BLVIL</u> (IAF)												MAG VAR: 2W EPOCH YEAR: 2020									
2.																					
3. FAC: <u>318.55</u> FAF: <u>BLVIL/SKE 6.66 DME</u> DIST FAF TO MAP: <u>5.99</u> THLD: <u>5.99</u>																					
4. MIN. ALT: <u>BLVIL 2400</u>																					
5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1078</u>																					
6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>BLVIL 2400</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u>																					
7. GS ANGLE: <u>3.00</u> TCH: <u>56.5</u>																					
8. MSA FROM: <u>TOY VORTAC 220-310 2700, 310-220 2200</u>																					
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @										
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 32L**	639	2400	200	639	2400	200	639	2400	200	639	2400	200	639	2400	200						
S-LOC 32L	920	2400	481	920	2400	481	920	5000	481	920	5000	481	920	5000	481						
CIRCLING	1000	1	541	1080	1	621	1240	2 1/4	781	1240	2 1/2	781	1240	2 3/4	781						
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 32L CAT E VISIBILITY TO RVR 4000 AND INCREASE S-LOC 32L CAT C/D/E VISIBILITY TO 1 3/8 MILE. (CONTINUED ON PAGE 2)																					
CITY AND STATE BELLEVILLE, IL			ELEVATION: 459 TDZE: 439 AIRPORT NAME: SCOTT AFB/MIDAMERICA				FACILITY IDENTIFIER: I-BLV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 32L, AMDT 2, 5/26/2016				SUP: 4 AMDT: 1B DATED 04/02/2015								

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ENL VORTAC AIRWAY RADIALS 225 CW 294.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TOY VORTAC AIRWAY RADIALS 095 CW 189.
CHART NOTE: PROCEDURE TURN NOT AUTHORIZED FOR CAT E AIRCRAFT.
CHART NOTE: DME FROM SKE TACAN. SIMULTANEOUS RECEPTION OF I-BLV AND SKE DME REQUIRED.

CITY AND STATE
BELLEVILLE, IL

ELEVATION: 459 TDZE: 439
AIRPORT NAME:
SCOTT AFB/MIDAMERICA

FACILITY
IDENTIFIER:
I-BLV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC/DME RWY 32L, AMDT 2, 5/26/2016

SUP: 4
AMDT: 4B
DATED: 04/02/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ENL	010	ENL	FC	FB		259.3	ENL					AA 02400		V A
ENL	020	TIBLY	CF	FB		259.3	IBLV					AA 02400		EE B
TOY	010	TOY	IF	FB										V
TOY	020	SKE	TF	FB								AA 02400		V
TOY	030	BLVIL	TF	FB								AA 02400		E
TOY	040	BLVIL	PI	FB		183.6	IBLV		L			AA 02400		EE A
	010	TIBLY	IF	FB			IBLV					AA 02400	GI 02400	E I
	020	BLVIL	CF	FB		319.0	IBLV	3.00		TOY		GI 02400	GS 02400	E F
	030	RW32L	CF	FO		319.0	IBLV	3.00				AT 00494		GY M
	040		CA	FB		318.6						AA 01500		M
	050	SKE	DF	FB					L					V
	060	TIBLY	TF	FO								AA 02400		EY
	070	TIBLY	HM	FO		318.6			L			AA 02400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ENL	N382512.00	W0890932.39
SKE (DME)	N383243.30	W0895105.93
TOY	N384420.94	W0895506.93
BLVIL	N382749.47	W0894520.95
TIBLY	N382224.74	W0893851.03
IBLV (LOC)	N383317.35	W0895155.99

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32L	N383210.61	W0895035.45	00437	56.5

QUALITY
15
CHECKED

CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 TDZE: 439	FACILITY IDENTIFIER: I-BLV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 32L, AMDT 2, 5/26/2016	SUP:
	AIRPORT NAME: SCOTT AFB/MIDAMERICA			AMDT: 1B
				DATED: 04/02/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ENL	010	ENL	FC	FB		259.3	ENL					AA 02400		V A
ENL	020	TIBLY	CF	FB		259.3	IBLV					AA 02400		EE B
TOY	010	TOY	IF	FB										V
TOY	020	SKE	TF	FB								AA 02400		V
TOY	030	BLVIL	TF	FB								AA 02400		E
TOY	040	BLVIL	PI	FB		183.6	IBLV		L			AA 02400		EE A
	010	TIBLY	IF	FB			IBLV					AA 02400		E I
	020	BLVIL	CF	FB		319.0	IBLV			TOY		AA 02400		E F
	030	RW32L	CF	FO		319.0	IBLV	3.01				AT 00494		GY M
	040		CA	FB		318.6						AA 01500		M
	050	SKE	DF	FB					L					V
	060	TIBLY	TF	FO								AA 02400		EY
	070	TIBLY	HM	FO		318.6			L			AA 02400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ENL	N382512.00	W0890932.39
SKE (DME)	N383243.30	W0895105.93
TOY	N384420.94	W0895506.93
BLVIL	N382749.47	W0894520.95
TIBLY	N382224.74	W0893851.03
IBLV (LOC)	N383317.35	W0895155.99

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32L	N383210.61	W0895035.45	00437	56.5

QUALITY
15
CHECKED

CITY AND STATE
BELLEVILLE, IL

ELEVATION: **459** TDZE: **439**
AIRPORT NAME:
SCOTT AFB/MIDAMERICA

FACILITY
IDENTIFIER:
I-BLV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 32L, AMDT 2, 5/26/2016

SUP:
AMDT: **1B**
DATED: **04/02/2015**

**U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- FAR PART 97.31**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH. and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

Initial approach minimum altitude(s) shall correspond with those established for enroute operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when; (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach.

Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when; (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES <i>(Sectors and distances measured from radar antenna)</i>												MISSED APPROACH			
FROM	T O	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	MAP:			
As established by the current T75 BLV ASR Minimum Vectoring Altitude Chart.												RWY 14L, 14R, 32L, 32R: THLD			
												RWY 14L: CLIMB TO 2300 ON SKE R-107 AND ENL R-277 TO DUTMY INT/ENL 19.4 DME AND HOLD. (TACAN REQUIRED).			
												RWY 14R: CLIMB TO 2200 ON HEADING 139 AND ON TOY R-148 TO WOMUG INT/TOY 25.6 DME AND HOLD. (SEE FORM 8260-10)			

MINIMUMS

TAKEOFF: ☒	STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			STANDARD @						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	
ASR S-14L	1020	5500	578	1020	5500	578	1020	1 5/8	578	1020	1 5/8	578	1020	1 5/8	578	
ASR S-14R	1100	2400	641	1100	2400	641	1100	1 3/8	641	1100	1 3/8	641	1100	1 3/8	641	
ASR S-32L	880	2400	441	880	2400	441	880	4500	441	880	4500	441	880	4500	441	
ASR S-32R	920	2400	478	920	2400	478	920	5000	478	920	5000	478	920	5000	478	
CIRCLING	1100	1	641	1100	1	641	1240	2 1/4	781	1240	2 1/2	781	1240	2 3/4	781	

NOTES:

RWY 14L: IF 10.0 NM FROM THRESHOLD, MINIMUM ALTITUDE 2200. FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2200, MINIMUM ALTITUDE 3 NM FIX 1520; FINAL APPROACH COURSE 139. RECOMMENDED ALTITUDE: 4 NM 1860; 3 NM 1520; 2 NM 1180.

RWY 14R: IF 10.0 NM FROM THRESHOLD, MINIMUM ALTITUDE 2200. FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2200, MINIMUM ALTITUDE 3 NM FIX 1520; FINAL APPROACH COURSE 139. RECOMMENDED ALTITUDE: 4 NM 1860; 3 NM 1520; 2 NM 1180.

(SEE FORM 8260-10)

LOST COMMUNICATIONS (ALL RWYS): AS DIRECTED BY ATC ON INITIAL CONTACT.

ADDITIONAL FLIGHT DATA

TDZE: 441.7	RWY: 14L	TDZE: 441.8	RWY: 32R
TDZE: 458.9	RWY: 14R	TDZE: 438.5	RWY: 32L

FAS OBST:

RWY 14L: 759 WATER TWR 383536.15N-0895346.42W
RWY 14R: 834 TOWER 383331.60N-0895401.30W
RWY 32L: 630 AAO 382900.00N-0894721.00W
RWY 32R: 660 AAO 383103.00N-0894436.00W
660 AAO 382839N/0884551W
CHART CIRCLING ICON.
790 AAO 383733N-0895333W

MAG VAR: 2W EPOCH YEAR: 2020

**QUALITY
25
CHECKED**

CITY AND STATE	ELEVATION: 459	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
BELLEVILLE, IL	AIRPORT NAME: SCOTT AFB / MIDAMERICA	BLV ASR	RADAR-1, ORIG, 5/26/2016	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.			
RADAR-1	INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES				
MISSED APPROACH CONT: RWY 32L: CLIMB TO 1500, THEN CLIMBING LEFT TURN TO 2400 ON SKE R-142 TO WOMUG/14.1 DME AND HOLD. (TACAN REQUIRED). RWY 32R: CLIMB TO 2000, THEN CLIMBING RIGHT TURN TO 2400 ON HEADING 150 AND ON ENL R-277 TO DUTMY INT/ENL 19.4 DME AND HOLD. NOTES: RWY 32L: IF 10.0 NM FROM THRESHOLD, MINIMUM ALTITUDE 2200. FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2200, MINIMUM ALTITUDE 3 NM FIX 1520; FINAL APPROACH COURSE 319. RECOMMENDED ALTITUDE: 4 NM 1860, 3 NM 1520, 2 NM 1180. RWY 32R: IF 10.0 NM FROM THRESHOLD, MINIMUM ALTITUDE 2200. FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2200, MINIMUM ALTITUDE 3 NM FIX 1520; FINAL APPROACH COURSE 319. RECOMMENDED ALTITUDE: 4 NM 1860, 3 NM 1520, 2 NM 1180. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-14R CAT E VISIBILITY TO 1 7/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-32L CAT E VISIBILITY TO 1 3/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-32R CAT E VISIBILITY TO 1 3/8 MILE. @ CAT C 800 - 2 1/4, CAT D 800 - 2 1/2, CAT E 800 - 2 3/4					
					
CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 TDZE: AIRPORT NAME: SCOTT AFB/MIDAMERICA	FACILITY IDENTIFIER: BLV ASR	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RADAR-1, ORIG, 5/26/2016 </td> <td style="padding: 5px;"> SUP: AMDT: NONE DATED: </td> </tr> </table>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RADAR-1, ORIG, 5/26/2016	SUP: AMDT: NONE DATED:
PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RADAR-1, ORIG, 5/26/2016	SUP: AMDT: NONE DATED:				

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW14L CLIMB TO 2300 DIRECT JIRUB AND ON TRACK 103.38 TO DUTMY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.48 INBOUND. CHART FAS OBST: 619 TREE 383336N/0895101W CHART 729 TANK 383535N/0895346W CHART: ASR. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.21 MILES TO RW14L* *LNAV ONLY. WAAS CHANNEL # 58218 REFERENCE PATH ID: W14A CHART CIRCLING ICON. LTP HAE: 103.9 M					
TOY VORTAC (IAF)		BALLY (FB)			231.81 / 4.65			2100							
BALLY (IF)		OFAFY (FB)			138.45 / 6.01			2100							
OFAFY (FAF)		DMJPS/3.50 NM TO RW14L (FB)			138.50 / 1.47										
DMJPS/3.50 NM TO RW14L		RW14L (MAP) (FO)			138.50 / 3.50										
RW14L (MAP)		642 MSL			138.50										
642 MSL		JIRUB (FB)													
JIRUB		DUTMY (FO)			103.38 / 10.92			2300							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT BALLY 3. FAC: <u>138.50</u> FAF: <u>OFAFY</u> DIST FAF TO MAP: <u>4.97</u> THLD: <u>4.97</u> 4. MIN. ALT: <u>BALLY 2100, OFAFY 2100, DMJPS/3.50 NM TO RW14L 1620*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>OFAFY 2100</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>54.9</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW14L 2700</u>										MAG VAR: 2W EPOCH YEAR: 2020					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	642	4000	200	642	4000	200	642	4000	200	642	4000	200			
LNAV/VNAV DA	934	1 5/8	492	934	1 5/8	492	934	1 5/8	492	934	1 5/8	492			
LNAV MDA	900	5500	458	900	5500	458	900	1 3/8	458	900	1 3/8	458			
CIRCLING	1000	1	541	1080	1	621	1240	2 1/4	781	1240	2 1/2	781			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ST LOUIS DOWNTOWN ALTIMETER SETTING. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 459 TDZE: 442			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:			
BELLEVILLE, IL		AIRPORT NAME:					RNAV (GPS) RWY 14L, ORIG-A					AMDT: ORIG			
		SCOTT AFB/MIDAMERICA					26 MAY 2016					DATED 07/29/2010			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON TOY VORTAC AIRWAY RADIALS 189 CW 282.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS DOWNTOWN ALTIMETER SETTING;

INCREASE LPV DA TO 684 FEET AND LNAV/VNAV DA TO 976 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV

ALL CATS VISIBILITY 1/8 MILE AND INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE.

QUALITY
25
CHECKED

CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 TDZE: 442 AIRPORT NAME: SCOTT AFB/MIDAMERICA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14L, ORIG-A 26 MAY 2016	SUP:
				AMDT: ORIG
				DATED: 07/29/2010

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBLV
RUNWAY	RW14L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	383322.3120N
LTP/FTP LONGITUDE	0895000.5835W
LTP/FTP ELLIPSOIDAL HEIGHT	+01039
FPAP LATITUDE	383210.5420N
FPAP LONGITUDE	0894834.0390W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 3FAB922A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01346
FPAP ORTHOMETRIC HEIGHT	+01346

QUALITY
25
CHECKED

CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 TDZE: 442 AIRPORT NAME: SCOTT AFB/MIDAMERICA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14L, ORIG-A 26 MAY 2016	SUP:
				AMDT: ORIG
				DATED: 07/29/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33														
ARINC SUMMARY - KBLV														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
TOY	010	TOY	IF	FB										V A
TOY	020	BALLY	TF	FB	1.0	231.8						AA 02100		EE B
	010	BALLY	IF	FB								AA 02100		E I
	020	OFAFY	TF	FB	1.0	138.5				RW14L		AA 02100		E F
	021	DMJPS	TF	FB	0.3	138.5		3.00				AA 01620 GS 01626		E S
	030	RW14L	TF	FO	0.3	138.5		3.00				AT 00496		GY M
	040		CA	FB		138.5						AA 00642		M
	050	JIRUB	DF	FB										E
	060	DUTMY	TF	FO	1.0	103.4						AA 02300		EY
	070	DUTMY	HM	FO		283.5			R			AA 02300		EE
POINTS														
POINT NAME	LATITUDE				LONGITUDE									
TOY	N384420.94				W0895506.93									
BALLY	N384120.67				W0895939.24									
DMJPS	N383554.88				W0895304.81									
DUTMY	N382901.49				W0893345.22									
JIRUB	N383111.65				W0894723.09									
OFAFY	N383658.82				W0895422.11									
RUNWAYS														
RUNWAY	THRESHOLD LATITUDE				THRESHOLD LONGITUDE				THRESHOLD ELEVATION				PROCEDURE TCH	
RW14L	N383322.31				W0895000.58				00442				54.9	



CITY AND STATE BELLEVILLE, IL	ELEVATION: 459	TDZE: 442	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SCOTT AFB/MIDAMERICA		RNAV	RNAV (GPS) RWY 14L, ORIG-A 26 MAY 2016	AMDT: ORIG
					DATED: 07/29/2010

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES											MISSED APPROACH								
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: RW14R CLIMB TO 3000 DIRECT QODCU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 318.61 INBOUND. CHART FAS OBST: 759 WATER TWR 383536N/0895346W CHART VDP AT 1.68 MILES TO RW14R. PUJXO TO RW14R: 3.01/65. CHART CIRCLING ICON.										
TOY VORTAC (IAF)		SIQAF (FB)		218.89 / 5.88			2800												
SIQAF (IF)		PUJXO (FB)		138.45 / 5.00			1800												
PUJXO (FAF)		RW14R (MAP) (FO)		138.50 / 4.00															
RW14R (MAP)		859 MSL		138.50															
859 MSL		QODCU (FO)					3000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT SIQAF 3. FAC: <u>138.50</u> FAF: <u>PUJXO</u> DIST FAF TO MAP: <u>4.00</u> THLD: <u>4.00</u> 4. MIN. ALT: SIQAF 2800, PUJXO 1800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS CLEAR 8. MSA FROM: RW14R 2700																MAG VAR: 2W		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		☒ X									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LNAV MDA	1060	2400	601	1060	2400	601	1060	1 3/8	601	1060	1 1/2	601							
CIRCLING	1060	1	601	1080	1	621	1240	2 1/4	781	1240	2 1/2	781							
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 MILE. CHART PLAVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT TOY VORTAC ON AIRWAY RADIALS 189 CW 282.																			
CITY AND STATE BELLEVILLE, IL		ELEVATION: 459 TDZE: 459 AIRPORT NAME: SCOTT AFB/MIDAMERICA		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14R, ORIG-E, 5/26/2016				SUP:									
										AMDT: ORIG-D									
										DATED 05/29/2014									



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
TOY	010	TOY	IF	FB										V A
TOY	020	SIQAF	TF	FB	1.0	218.9						AA 02800		EE
	010	SIQAF	IF	FB								AA 02800		E I
	020	PUJXO	TF	FB	1.0	138.5				RW14R		AA 01800		E F
	030	RW14R	TF	FO	0.3	138.5		3.01				AT 00524		GY M
	040		CA	FB		138.5						AA 00859		M
	050	QODCU	DF	FO								AA 03000		EY
	060	QODCU	HM	FO		318.6			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
TOY	N384420.94	W0895506.93
PUJXO	N383600.89	W0895513.60
QODCU	N382453.10	W0894148.66
SIQAF	N383938.62	W0895937.27

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW14R	N383306.58	W0895142.98	00459	65

QUALITY
6
CHECKED

CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 TDZE: 459	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14R, ORIG-E, 5/26/2016	SUP:
	AIRPORT NAME: SCOTT AFB/MIDAMERICA			AMDT: ORIG-D
				DATED: 05/29/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: RW32L							
DUTMY (IAF)		QODCU (FB)		238.88 / 7.56			2400		CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 DIRECT QODCU AND HOLD.							
NEWAT (IAF)		QODCU (FB)		023.46 / 9.41			2400									
QODCU (IF)		TIZGE (FB)		318.61 / 5.03			2100									
TIZGE (FAF)		RW32L (MAP) (FO)		318.58 / 5.00												
RW32L (MAP)		1500 MSL		318.58			1500									
1500 MSL		QODCU (FO)					2400		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 318.61 INBOUND. FAS OBST: 630 AAO 382852N/0894705W 660 AAO 382839N/0894551W. CHART VDP AT 1.28 MILES TO RW32L. TIZGE TO RW32L: 3.03/55. CHART CIRCLING ICON.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT QODCU																
3. FAC: 318.58 FAF: TIZGE DIST FAF TO MAP: 5.00 THLD: 5.00																
4. MIN. ALT: QODCU 2400, TIZGE 2100																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR																
8. MSA FROM: RW32L 2700										MAG VAR: 2W		EPOCH YEAR: 2020				
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		X							
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	920	2400	481	920	2400	481	920	5000	481	920	5000	481				
CIRCLING	1000	1	541	1080	1	621	1240	2 1/4	781	1240	2 1/2	781				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE. CHART PLAYVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT DUTMY ON V44 SOUTHEAST BOUND. CHART PLAYVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT NEWAT ON V234 SOUTHWEST BOUND.																
CITY AND STATE BELLEVILLE, IL		ELEVATION: 459 TDZE: 439 AIRPORT NAME: SCOTT AFB/MIDAMERICA			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: RNAV (GPS) RWY 32L, ORIG-E 26 MAY 2016					SUP: 4 AMDT: 0 DATED 04/02/2015				

ARINC SUMMARY - KBLV

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DUTMY	010	DUTMY	IF	FB										E A
DUTMY	020	QODCU	TF	FB	1.0	238.9						AA 02400		EE B
NEWAT	010	NEWAT	IF	FB										E A
NEWAT	020	QODCU	TF	FB	1.0	023.5						AA 02400		EE B
	010	QODCU	IF	FB								AA 02400		E I
	020	TIZGE	TF	FB	1.0	318.6				RW32L		AA 02100		E F
	030	RW32L	TF	FO	0.3	318.6		3.03				AT 00492		GY M
	040		CA	FB		318.6						AA 01500		M
	050	QODCU	DF	FO					L			AA 02400		EY
	060	QODCU	HM	FO		318.6			R			AA 02400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DUTMY	N382901.49	W0893345.22
NEWAT	N381607.07	W0894611.46
QODCU	N382453.10	W0894148.66
TIZGE	N382832.57	W0894612.67

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32L	N383210.61	W0895035.45	00437	55

CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 TDZE: 439 AIRPORT NAME: SCOTT AFB/MIDAMERICA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32L, ORIG-E 26 MAY 2016	SUP:
				AMDT:
				DATED: 04/02/2015

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW32R CLIMB TO 2300 DIRECT MADDT AND RIGHT TURN ON TRACK 078.48 TO JIKMO AND ON TRACK 144.66 TO COFEY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.48 INBOUND. CHART FAS OBST: 579 TREE 383050N/0894602W CHART: ASR. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.03 MILES TO RW32R* *LNAV ONLY. WAAS CHANNEL # 50518 REFERENCE PATH ID: W32A CHART CIRCLING ICON LTP HAE: 104.1 M					
COFEY (IAF)		OJAMO (FB)		228.74 / 7.01				2200							
OJAMO (IF)		AFEBE (FB)		318.67 / 6.01				2200							
AFEBE (FAF)		ENRRN/3.00 NM TO RW32R (FB)		318.62 / 2.27											
ENRRN/3.00 NM TO RW32R		RW32R (MAP) (FO)		318.62 / 3.00											
RW32R (MAP)		642 MSL		318.62											
642 MSL		MADDT (FB)													
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT OJAMO 3. FAC: 318.62 FAF: AFEBE DIST FAF TO MAP: 5.27 THLD: 5.27 4. MIN. ALT: OJAMO 2200, AFEBE 2200, ENRRN/3.00 NM TO RW32R 1460* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: AFEBE 2200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.1 34:1 IS CLEAR 8. MSA FROM: RW32R 2700															
										MAG VAR: 2W			EPOCH YEAR: 2020		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	642	2400	200	642	2400	200	642	2400	200	642	2400	200			
LNAV/VNAV DA	804	4000	362	804	4000	362	804	4000	362	804	4000	362			
LNAV MDA	840	2400	398	840	2400	398	840	3500	398	840	3500	398			
CIRCLING	1000	1	541	1080	1	621	1240	2 1/4	781	1240	2 1/2	781			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COFEY ON V44 EASTBOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 459 TDZE: 442		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BELLEVILLE, IL		AIRPORT NAME:		SCOTT AFB/MIDAMERICA		RNAV (GPS) RWY 32R, ORIG-C				AMDT: ORIG-B					
						26 MAY 2016				DATED 11/13/2014					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MADDT	JIKMO (FB)	078.48 / 10.00	
JIKMO	COFEY (FO)	144.66 / 15.64	2300

NOTES, (CONT.):

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ST LOUIS DOWNTOWN ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS DOWNTOWN ALTIMETER SETTING:

INCREASE LPV DA TO 684 FEET AND LNAV/VNAV DA TO 846 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV

ALL CATS VISIBILITY AND LNAV CAT C/D VISIBILITY TO RVR 4500; INCREASE CIRCLING CAT C/D VISIBILITY

1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000

QUALITY
25
CHECKED

CITY AND STATE
BELLEVILLE, IL

ELEVATION: 459 TDZE: 442
AIRPORT NAME:
SCOTT AFB/MIDAMERICA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32R, ORIG-C
26 MAY 2016

SUP:
AMDT: ORIG-B
DATED: 11/13/2014

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBLV
RUNWAY	RW32R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	383210.5420N
LTP/FTP LONGITUDE	0894834.0390W
LTP/FTP ELLIPSOIDAL HEIGHT	+01041
FPAP LATITUDE	383322.3120N
FPAP LONGITUDE	0895000.5835W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 7602C6E3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01346
FPAP ORTHOMETRIC HEIGHT	+01346

QUALITY
25
CHECKED

CITY AND STATE BELLEVILLE, IL	ELEVATION: 459 AIRPORT NAME: SCOTT AFB/MIDAMERICA	TDZE: 442 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32R, ORIG-C 26 MAY 2016	SUP:
				AMDT: ORIG-B
				DATED: 11/13/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																					
ARINC SUMMARY - KBLV ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>COFEY</td><td>010</td><td>COFEY</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>COFEY</td><td>020</td><td>OJAMO</td><td>TF</td><td>FB</td><td>1.0</td><td>228.7</td><td></td><td></td><td></td><td></td><td></td><td>AA 02200</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>OJAMO</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02200</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>AFEBE</td><td>TF</td><td>FB</td><td>1.0</td><td>318.7</td><td></td><td></td><td></td><td>RW32R</td><td></td><td>AA 02200</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>ENRRN</td><td>TF</td><td>FB</td><td>0.3</td><td>318.6</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 01460 GS 01466</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW32R</td><td>TF</td><td>FO</td><td>0.3</td><td>318.6</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 00497</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>318.6</td><td></td><td></td><td></td><td></td><td></td><td>AA 00642</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>MADDT</td><td>DF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td></td><td>060</td><td>JIKMO</td><td>TF</td><td>FB</td><td>1.0</td><td>078.5</td><td></td><td></td><td>R</td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td></td><td>070</td><td>COFEY</td><td>TF</td><td>FO</td><td>1.0</td><td>144.7</td><td></td><td></td><td></td><td></td><td></td><td>AA 02300</td><td></td><td>EY</td></tr> <tr><td></td><td>080</td><td>COFEY</td><td>HM</td><td>FO</td><td></td><td>283.5</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02300</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>AFEBE</td><td>N382820.51</td><td>W0894357.15</td></tr> <tr><td>COFEY</td><td>N382846.93</td><td>W0893212.44</td></tr> <tr><td>ENRRN</td><td>N382959.66</td><td>W0894556.41</td></tr> <tr><td>JIKMO</td><td>N384114.56</td><td>W0894417.42</td></tr> <tr><td>MADDT</td><td>N383854.81</td><td>W0895642.47</td></tr> <tr><td>OJAMO</td><td>N382358.11</td><td>W0893842.17</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW32R</td> <td>N383210.54</td> <td>W0894834.04</td> <td>00442</td> <td>55.1</td> </tr> </tbody> </table>															TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE	COFEY	010	COFEY	IF	FB										E A	COFEY	020	OJAMO	TF	FB	1.0	228.7						AA 02200		EE B		010	OJAMO	IF	FB								AA 02200		E I		020	AFEBE	TF	FB	1.0	318.7				RW32R		AA 02200		E F		021	ENRRN	TF	FB	0.3	318.6		3.00				AA 01460 GS 01466		E S		030	RW32R	TF	FO	0.3	318.6		3.00				AT 00497		GY M		040		CA	FB		318.6						AA 00642		M		050	MADDT	DF	FB										E		060	JIKMO	TF	FB	1.0	078.5			R					E		070	COFEY	TF	FO	1.0	144.7						AA 02300		EY		080	COFEY	HM	FO		283.5			R			AA 02300		EE	POINT NAME	LATITUDE	LONGITUDE	AFEBE	N382820.51	W0894357.15	COFEY	N382846.93	W0893212.44	ENRRN	N382959.66	W0894556.41	JIKMO	N384114.56	W0894417.42	MADDT	N383854.81	W0895642.47	OJAMO	N382358.11	W0893842.17	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW32R	N383210.54	W0894834.04	00442	55.1
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE																																																																																																																																																																																																																			
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CITY AND STATE BELLEVILLE, IL		ELEVATION: 459 TDZE: 442 AIRPORT NAME: SCOTT AFB/MIDAMERICA		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32R, ORIG-C 26 MAY 2016			SUP: AMDT: ORIG-B DATED: 11/13/2014																																																																																																																																																																																																																								

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: JEPEV/0.62 DME								
DUTMY/SKE 14.11 DME (IAF)			HIRIV/10.00 DME			287.09 / 4.11			2200		CLIMB TO 2400 ON SKE R-142 TO WOMUG/14.11 DME AND HOLD.								
HIRIV/10.00 DME CCW			UYITO/10.00 DME			10.00 DME ARC (SKE LR-326)			2200										
UYITO/10.00 DME (IF)			ZUSIP/4.00 DME			134.13 / 6.00 (SKE R-314)			1600										
										ADDITIONAL FLIGHT DATA: HOLD SE, LT, 322.20 INBOUND. CHART FAS OBST: 834 TOWER 383332N/0895401W CHART VDP AT 2.42 DME DISTANCE VDP TO THLD 1.80 MILES. CHART SKE R-107 AT HIRIV. ZUSIP TO RW14R: 3.00/65. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 2990 FT FROM THLD.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 2W EPOCH YEAR: 2020									
2. PROFILE STARTS AT UYITO/10.00 DME																			
3. FAC 134.13 FAF ZUSIP/4.00 DME DIST FAF TO MAP _____ THLD 3.38																			
4. MIN. ALT UYITO 2200, ZUSIP 1600																			
8. MSA FROM: SKE TACAN 240-330 2700, 330-240 2200, ESA W/IN 100 NM 3500																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-14R	1100	2400	641	1100	2400	641	1100	1 3/8	641	1100	1 3/8	641	1100	1 3/8	641				
CIRCLING	1100	1	641	1100	1	641	1240	2 1/4	781	1240	2 1/2	781	1240	2 3/4	781				
NOTES:																			
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-14R CAT E VISIBILITY TO 1 7/8 MILE.																			
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT DUTMY ON V44 EASTBOUND.																			
CITY AND STATE		ELEVATION: 459 TDZE: 459		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP		QUALITY							
BELLEVILLE, IL		AIRPORT NAME:		SKE		TACAN RWY 14R, AMDT 1B, 5/26/2016				AMDT		1A							
		SCOTT AFB/MIDAMERICA								DATE		05/29/2014							

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH							
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: ZAVGU/0.67 DME						
DUTMY/SKE 14.11 DME CW (IAF)			WOMUG/14.11 DME			14.11 DME ARC (SKE LR-133)			2400		CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 ON SKE R- 142 TO WOMUG/14.11 DME AND HOLD.						
WOMUG/14.11 DME (IF)			CUMAB/5.00 DME			322.20 / 9.11 (SKE R-142)			1800								
										ADDITIONAL FLIGHT DATA: HOLD SE, LT, 322.20 INBOUND. FAS OBST: 630 AAO 382926N/0894613W CHART VDP AT 1.96 DME DISTANCE VDP TO THLD 1.28 MILES. CHART SKE R-107 AT DUTMY. CUMAB TO RW32L: 2.81/72. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 4017 FT FROM THLD.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 2W EPOCH YEAR: 2020							
2. PROFILE STARTS AT WOMUG/14.11 DME																	
3. FAC 322.20 FAF CUMAB/5.00 DME DIST FAF TO MAP _____ THLD 4.33																	
4. MIN. ALT WOMUG 2400, CUMAB 1800																	
8. MSA FROM: SKE TACAN 240-330 2700, 330-240 2200, ESA W/IN 100 NM 3500																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X					
CATEGORY =====>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-32L	920	2400	481	920	2400	481	920	5000	481	920	5000	481	920	6000	481		
CIRCLING	1000	1	541	1080	1	621	1240	2 1/4	781	1240	2 1/2	781	1240	2 3/4	781		
NOTES:																	
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-32L CAT C/D/E VISIBILITY TO 1 3/8 MILE.																	
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT DUTMY ON V44 EASTBOUND.																	
CITY AND STATE		ELEVATION: 459 TDZE: 439		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP		QUALITY					
BELLEVILLE, IL		AIRPORT NAME:		SKE		TACAN RWY 32L, AMDT 1B, 5/26/2016				AMDT		4					
		SCOTT AFB/MIDAMERICA								DATE		1A CHECKED 04/02/2015					

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TERMINAL ROUTES										MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		MAP: ZATUL/SKE 3.00 DME					
SKE TACAN		WEPUX/SKE 7.00 DME			050.00 / 7.00			3000		CLIMBING LEFT TURN TO 3000 ON HEADING 130 AND SKE TACAN R-107 TO DUTMY/SKE 14.11 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 287.09 INBOUND. CHART FAS OBST: 861 TOWER 383641N/0894530W CHART: ASR. CHART SKE R-010 AT ILSCA. CHART SKE R-090 AT SCAFB. CHART CIRCLING ICON. FAC CROSSES APPROACH END OF RWY 14L.					
ILSCA/SKE 14.10 DME CW (IAF)		BLVIF/SKE 14.10 DME (NOPT)			14.10 DME ARC (SKE LR-041)			3000							
SCAFB/SKE 14.10 DME CCW (IAF)		BLVIF/SKE 14.10 DME (NOPT)			14.10 DME ARC (SKE LR-059)			3000							
BLVIF/SKE 14.10 DME (IF)		WEPUX/SKE 7.00 DME			230.00 / 7.10 (SKE R-050)			2000							
1. PT <u>R</u> SIDE OF COURSE <u>050.00</u> OUTBOUND <u>3000</u> FT WITHIN <u>15</u> MILES OF <u>WEPUX</u> (IAF)										MAG VAR: 2W EPOCH YEAR: 2020					
2. _____															
3. FAC <u>230.00</u> FAF <u>WEPUX/SKE 7.00 DME</u> DIST FAF TO MAP _____ THLD _____															
4. MIN. ALT <u>BLVIF 3000, WEPUX 2000</u>															
8. MSA FROM: <u>SKE TACAN 240-330 2700, 330-240 2200; ESA W/IN 100 NM 3500</u>															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		@						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1180	2 1/4	721	1180	2 1/4	721	1240	2 1/4	781	1240	2 1/2	781	1240	2 3/4	781
NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. LOUIS DOWNTOWN ALTIMETER SETTING; INCREASE ALL MDA 60 FEET; INCREASE CIRCLING CAT C/D/E VISIBILITY 1/4 MILE. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT A, B, C 800-2 1/4, CAT D 800-2 1/2, CAT E 800-2 3/4															
CITY AND STATE BELLEVILLE, IL		ELEVATION: 459 AIRPORT NAME: SCOTT AFB/MIDAMERICA		TDZE:		FACILITY IDENTIFIER: SKE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: TACAN-A, ORIG, 5/26/2016				SUP AMDT NONE DATE			



RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.															
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW08 CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT CADOX AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 715 TREE 393315N/0872542W CHART CIRCLING ICON HESEK TO RW08: 2.97/40 CHART TERRE HAUTE ASOS									
PROGS (IAF)		CADOX (NOPT) (FB)		177.57 / 8.00				3000											
JIXED (IAF)		CADOX (NOPT) (FB)		357.60 / 8.00				3000											
CADOX (IF/IAF)		HESEK (FB)		087.59 / 8.00				2300											
HESEK (FAF)		SKITE/3.00 NM TO RW08 (FB)		087.69 / 2.55															
SKITE/3.00 NM TO RW08		RW08 (MAP) (FO)		087.69 / 3.00															
RW08 (MAP)		1400 MSL		087.69				1400											
1400 MSL		CADOX (FO)						3000											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W CADOX, RT, 087.59 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 087.69 FAF: HESEK DIST FAF TO MAP: 5.55 THLD: 5.55 4. MIN. ALT: CADOX 3000, HESEK 2300, SKITE/3.00 NM TO RW08 1480 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: _____																MAG VAR: 4W		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		X									
CATEGORY ==>		A			B			C			D			E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
CIRCLING	1000	1	504	1340	1 1/4	844		NA			NA								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE TERRE HAUTE ALTIMETER SETTING; WHEN NOT RECEIVED, USE PARIS ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																			
CITY AND STATE				ELEVATION: 496 TDZE:				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
TERRE HAUTE, IN				AIRPORT NAME: SKY KING								RNAV (GPS)-A, ORIG 26 MAY 2016				AMDT: NONE			
																DATED			

QUALITY
 10
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA

	FROM	TO	ALT
1.	358/30 CW 178/30 (NOPT)	CADOX (IF/IAF) (FB)	3000
2.	178/30 CW 268/30	PROGS (IAF) (FB)	3000
3.	268/30 CW 358/30	JIXED (IAF) (FB)	3000

CITY AND STATE
TERRE HAUTE, IN

ELEVATION: 496
AIRPORT NAME:

TDZE:

SKY KING

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS)-A, ORIG
26 MAY 2016

SUP:

AMDT: NONE

DATED:

QUALITY
10
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - 3I3

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CADOX	010	CADOX	HF	FO		087.6			R			AA 03000		EE A
JIXED	010	JIXED	IF	FB										E A
JIXED	020	CADOX	TF	FB	1.0	357.6						AA 03000		EE B
PROGS	010	PROGS	IF	FB										E A
PROGS	020	CADOX	TF	FB	1.0	177.6						AA 03000		EE B
	010	CADOX	IF	FB								AA 03000		E I
	020	HESEK	TF	FB	0.5	087.6						AA 02300		E F
	021	SKITE	TF	FB	0.3	087.7		2.97				AA 01480 GS 01488		E S
	030	RW08	TF	FO	0.3	087.7		2.97				AT 00533		GY M
	040		CA	FB		087.7						AA 01400		M
	050	CADOX	DF	FO					L			AA 03000		EY
	060	CADOX	HM	FO		087.6			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CADOX	N393123.99	W0874022.27
HESEK	N393217.20	W0873005.70
JIXED	N392326.57	W0873913.09
PROGS	N393921.37	W0874131.70
SKITE	N393233.97	W0872649.23

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08	N393253.58	W0872257.92	00493	40

CITY AND STATE TERRE HAUTE, IN	ELEVATION: 496	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 26 MAY 2016	SUP: 4
	AIRPORT NAME: SKY KING				AMDT: NONE
					DATED:

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
TERRE HAUTE, IN	SKY KING	26 MAY 2016	4

TAKEOFF MINIMUMS:

RWY 18, 36: NA – ENVIRONMENTAL.

RWY 8, 26: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 26: CLIMB HEADING 267.77 TO 1300 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, MULTIPLE POWERLINES BEGINNING 34 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/529 FT MSL. VEHICLE ON ROAD BEGINNING 54 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/519 FT MSL. FENCE BEGINNING 33 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 6 FT AGL/505 FT MSL. MULTIPLE BUILDINGS BEGINNING 167 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60 FT AGL/589 FT MSL.

NOTE: RWY 26, TREES BEGINNING ABEAM DER, 235 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/559 FT MSL. TREES BEGINNING ABEAM DER, 382 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/539 FT MSL. TREES BEGINNING 1057 FT FROM DER, 47 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/539 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 26 – 1249 FT MSL TOWER 393014.00N/0872637.00W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
TERRE HAUTE, IN	SKY KING	26 MAY 2016	4

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

CHRISTOPHER D FORMAN

FICO

*Digitally signed by
JACOB POWERS
Apr 18, 2016*

11/10/2015

ROUTINE

DEVELOPED BY:

CHRIS O'BRIEN

*Digitally signed by
Christopher P. O'Brien
Aug 27, 2015*

AJV-5422

8/17/2015

APPROVED BY:

GEORGE GONZALES

AJV-5420

*Digitally signed by
JACOB POWERS
Apr 18, 2016*

COORDINATED WITH:

ALPA, AOPA, NBAA, ZID ARTCC, HUF ATCT, AMGR

CHANGES:

1. DEPARTURE PROCEDURE CHANGED FROM "CLIMB HEADING 261.78..." TO "CLIMB HEADING 267.77..."

REASONS:

1. AIRPORT MAG VAR CHANGED FROM 2E (1965) TO 4W (2020).

QUALITY
10
CHECKED

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION								
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW06 CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3100 DIRECT BIRRS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 137.00 INBOUND. CHART FAS OBST: 829 TREE 432725N/0832732W YOGUS TO RW6: 3.00/40. CHART CIRCLING ICON.				
FNT VORTAC (IAF)	HIPRA (FB)	020.73 / 23.47	3100					
BIRRS (IAF)	HIPRA (FB)	093.92 / 6.50	3100					
HIPRA (IF)	YOGUS (FB)	058.32 / 5.00	2300					
YOGUS (FAF)	VOWER/1.70 NM TO RW06 (FB)	058.38 / 3.25						
VOWER/1.70 NM TO RW06	RW06 (MAP) (FO)	058.38 / 1.70						
RW06 (MAP)	1100 MSL	058.38	1100					
1100 MSL	BIRRS (FO)		3100					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HIPRA 3. FAC: 058.38 FAF: YOGUS DIST FAF TO MAP: 4.95 THLD: 4.95 4. MIN. ALT: HIPRA 3100, YOGUS 2300, VOWER/1.70 NM TO RW06 1260 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW06 3100				MAG VAR: 8W EPOCH YEAR: 2020				
MINIMUMS								
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @		
CATEGORY >>>>>	A		B		C		D	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	1080	1	391	1080	1	391	NA	NA
CIRCLING	1200	1	496	1200	1	496	NA	NA
NOTES: CHART NOTE: CIRCLING NA TO RWYS 13 AND 31. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FNT VORTAC AIRWAY RADIALS 076 CW 097. (CONTINUED ON PAGE 2)								
CITY AND STATE		ELEVATION: 704 TDZE: 689		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 5
CARO, MI		AIRPORT NAME:				RNAV (GPS) RWY 6, AMDT 1		AMDT: ORIG-A
		TUSCOLA AREA				26 MAY 2016		DATED 06/25/2015



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE ADJACENT TO BIRRS: RADAR REQUIRED.

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAGINAW/MBS INTL ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.



CITY AND STATE CARO, MI	ELEVATION: 704 TDZE: 689 AIRPORT NAME: TUSCOLA AREA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 5
				AMDT: ORIG-A
				DATED: 06/25/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KCFS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BIRRS	010	BIRRS	IF	FB										E A
BIRRS	020	HIPRA	TF	FB	1.0	093.9						AA 03100		EE B
FNT	010	FNT	IF	FB										V A
FNT	020	HIPRA	TF	FB	1.0	020.7						AA 03100		EE B
	010	HIPRA	IF	FB								AA 03100		E I
	020	YOGUS	TF	FB	1.0	058.3				RW06		AA 02300		E F
	021	VOWER	TF	FB	0.3	058.4		3.00				AA 01260 GS 01267		E S
	030	RW06	TF	FO	0.3	058.4		3.00				AT 00725		GY M
	040		CA	FB		058.4						AA 01100		M
	050	BIRRS	DF	FO					L			AA 03100		EY
	060	BIRRS	HM	FO		137.0			R			AA 03100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FNT	N425800.38	W0834449.08
BIRRS	N432026.48	W0834637.11
HIPRA	N432053.91	W0833743.92
VOWER	N432609.58	W0832901.25
YOGUS	N432405.37	W0833227.21

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW06	N432714.56	W0832713.32	00685	40

QUALITY
16
CHECKED

CITY AND STATE CARO, MI	ELEVATION: 704 TDZE: 689	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 5
	AIRPORT NAME: TUSCOLA AREA			AMDT: ORIG-A
				DATED: 06/25/2015

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW24							
MBS VOR/DME		RAYOL (FO)		094.34 / 35.45				3000		CLIMBING RIGHT TURN TO 3100 DIRECT BIRRS AND HOLD.							
WINTO		RAYOL (FO)		001.44 / 12.30				2400									
RAYOL (IF/IAF)		KAYET (FB)		238.57 / 5.00				2300		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 137.00 INBOUND. CHART FAS OBST: 888 TREE 432918N/0832504W CHART 1185 COMMUNICATION TWR 433013N/0832330W. KAYET TO RW24: 3.00/40. CHART CIRCLING ICON.							
KAYET (FAF)		LIYIG/2.60 NM TO RW24 (FB)		238.51 / 2.30													
LIYIG/2.60 NM TO RW24		RW24 (MAP) (FO)		238.51 / 2.60													
RW24 (MAP)		1104 MSL		238.51													
1104 MSL		BIRRS (FO)						3100									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD NE RAYOL, RT, 238.57 INBOUND, 2300 FT. IN LIEU OF PT (IAF)																	
3. FAC: 238.51 FAF: KAYET DIST FAF TO MAP: 4.90 THLD: 4.90																	
4. MIN. ALT: RAYOL 2300, KAYET 2300, LIYIG/2.60 NM TO RW24 1560																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																	
8. MSA FROM: RW24 3100																	
MAG VAR: 8W EPOCH YEAR: 2020																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: NA		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LNAV MDA	1140	1	440	1140	1	440		NA			NA						
CIRCLING	1200	1	496	1200	1	496		NA			NA						
NOTES: CHART NOTE: CIRCLING NA TO RWYS 13 AND 31. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MBS VOR/DME AIRWAY RADIALS 016 CW 163. (CONTINUED ON PAGE 2)																	
CITY AND STATE CARO, MI		ELEVATION: 704 TDZE: 700 AIRPORT NAME: TUSCOLA AREA				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 26 MAY 2016				SUP: RNAV (GPS) RWY 23 AMDT: ORIG-A DATED 06/25/2015					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CHART PLANVIEW NOTE ADJACENT TO WINTO: RADAR REQUIRED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAGINAW/MBS INTL ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.



CITY AND STATE CARO, MI	ELEVATION: 704 TDZE: 700 AIRPORT NAME: TUSCOLA AREA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 23
				AMDT: ORIG-A
				DATED: 06/25/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KCFS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
MBS	010	MBS	IF	FB										V
MBS	020	RAYOL	TF	FO	2.0	094.3						AA 03000		EY
MBS	030	RAYOL	HF	FO		238.6			R			AA 02300		EE A
WINTO	010	WINTO	IF	FB										E
WINTO	020	RAYOL	TF	FO	2.0	001.4						AA 02400		EY
WINTO	030	RAYOL	HF	FO		238.6			R			AA 02300		EE A
	010	RAYOL	IF	FB								AA 02300		E I
	020	KAYET	TF	FB	1.0	238.6				RW24		AA 02300		E F
	021	LIYIG	TF	FB	0.3	238.5		3.00				AA 01560 GS 01567		E S
	030	RW24	TF	FO	0.3	238.5		3.00				AT 00740		GY M
	040		CA	FB		238.5						AA 01104		M
	050	BIRRS	DF	FO					R			AA 03100		EY
	060	BIRRS	HM	FO		137.0			R			AA 03100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
MBS	N433153.95	W0840438.28
BIRRS	N432026.48	W0834637.11
KAYET	N433048.68	W0832116.90
LIYIG	N432920.93	W0832343.11
RAYOL	N433359.37	W0831558.46
WINTO	N432145.96	W0831402.48

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24	N432741.62	W0832628.35	00700	40



CITY AND STATE CARO, MI	ELEVATION: 704 TDZE: 700 AIRPORT NAME: TUSCOLA AREA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 23 AMDT: ORIG-A DATED: 06/25/2015

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
CARO, MI	TUSCOLA AREA	26 MAY 2016	2

TAKEOFF MINIMUMS:

RWY 13, 31: NA - ENVIRONMENTAL.
RWY 6, 24: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, NAVAID 41 FT FROM DER, 83 FT LEFT OF CENTERLINE, 702 FT MSL. BUSH, TREE, POLE BEGINNING 152 FT FROM DER, 238 FT LEFT OF CENTERLINE, UP TO 715 FT MSL. TREES BEGINNING 665 FT FROM DER, 224 FT LEFT OF CENTERLINE, UP TO 727 FT MSL. TREE 697 FT FROM DER, 674 FT RIGHT OF CENTERLINE, 753 FT MSL. TREES BEGINNING 819 FT FROM DER, 11 FT RIGHT OF CENTERLINE, UP TO 759 FT MSL. TREE 944 FT FROM DER, 419 FT LEFT OF CENTERLINE, 766 FT MSL. TREES BEGINNING 990 FT FROM DER, 97 FT LEFT OF CENTERLINE, UP TO 775 FT MSL. TREE, BLDG, POLE, T-L TWR BEGINNING 1278 FT FROM DER, 204 FT RIGHT OF CENTERLINE, UP TO 778 FT MSL. TREES, T-L TWR, POLE, TANK, BEGINNING 1615 FT FROM DER, 471 FT RIGHT OF CENTERLINE, UP TO 793 FT MSL. TREE 3612 FT FROM DER, 797 FT RIGHT OF CENTERLINE, 800 FT MSL.

NOTE: RWY 24, POLE 21 FT FROM DER, 330 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/687 FT MSL. TREE, NAVAID, POLE BEGINNING 35 FT FROM DER, 76 FT LEFT OF CENTERLINE, UP TO 703 FT MSL. TREES BEGINNING 178 FT FROM DER, 472 FT LEFT OF CENTERLINE, UP TO 714 FT MSL. TREES BEGINNING 723 FT FROM DER, 565 FT LEFT OF CENTERLINE, UP TO 730 FT MSL. TREE, POLE, T-L TWR, CATENARY BEGINNING 948 FT FROM DER, 167 FT LEFT OF CENTERLINE, UP TO 737 FT MSL. TREE, CATENARY, POLE, T-L TWR BEGINNING 1243 FT FROM DER, 46 FT LEFT OF CENTERLINE, UP TO 741 FT MSL. TREES BEGINNING 1369 FT FROM DER, 25 FT RIGHT OF CENTERLINE, UP TO 770 FT MSL. TREE, T-L TWR, POLE BEGINNING 2360 FT FROM DER, 108 FT RIGHT OF CENTERLINE, UP TO 808 FT MSL.

CONTROLLING OBSTACLES:

REMARKS:



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
CARO, MI	TUSCOLA AREA	26 MAY 2016	2

FLIGHT INSPECTED BY:

GLEN FREEMAN

Digitally signed by
JACOB POWERS
Mar 07, 2016

3/3/2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

THOMAS L. KIRKPATRICK

AJV-5423

01/14/2016

Digitally signed by
THOMAS L KIRKPATRICK
Jan 14, 2016

APPROVED BY:

GEORGE GONZALEZ

AJV-5420

Digitally signed by
JACOB POWERS
Mar 07, 2016

COORDINATED WITH:

ALPA, AOPA, NBAA, ZOB, SAGINAW APP CON.

CHANGES:

1. CHANGED RWY NUMBERS FROM 5/23 AND 12/30 TO 6/24 AND 13/31.
2. UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

1. RESULT OF NEW AIRPORT MAGVAR.
2. OBSTACLE DATA BASE UPDATED.

QUALITY
16
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES										MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: MADBE/MBS 27.63 DME FIX									
MBS VOR/DME (IAF)			OBEGE/MBS 15.00 DME			102.00 / 15.00			3000		CLIMBING RIGHT TURN TO 3000 ON HEADING 220 AND ON MBS VOR/DME R-108 TO REESE INT/15.22 DME AND HOLD.									
OBEGE/MBS 15.00 DME (IF)			DACUG/MBS 23.00 DME			102.00 / 8.00			2300											
										ADDITIONAL FLIGHT DATA: HOLD E, RT, 288.08 INBOUND. FAS OBST: 990 AAO 432650N/0833157W CHART CIRCLING ICON. FAC CROSSES MID POINT OF RWY 6-24.										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 3W EPOCH YEAR: 1965										
2. PROFILE STARTS AT MBS VOR/DME																				
3. FAC 102.00 FAF DACUG/MBS 23.00 DME DIST FAF TO MAP _____ THLD _____																				
4. MIN. ALT MBS VOR/DME 3000, OBEGE 3000, DACUG 2300																				
8. MSA FROM: MBS VOR/DME 3100																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @								
CATEGORY =====>		A			B			C			D			E						
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
CIRCLING		1240	1	536	1240	1	536		NA			NA								
NOTES:																				
CHART NOTE: CIRCLING NA TO RWYS 13 AND 31.										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.										
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																				
CHART NOTE: PROCEDURE NA AT NIGHT.																				
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAGINAW/MBS INTL ALTIMETER SETTING AND (INCREASE ALL MDA 80 FEET.																				
CITY AND STATE		ELEVATION: 704			TDZE:			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP					
CARO, MI		AIRPORT NAME:						MBS		VOR/DME-A, AMDT 6 26 MAY 2016					AMDT 5A					
		TUSCOLA AREA													DATE 06/25/2015					



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: 4.14 MILES AFTER FOR NDB								
MLS VOR/DME			FOR NDB			244.79 / 24.34			6000		CLIMB TO 3500 THEN CLIMBING RIGHT TURN TO 6000 DIRECT FOR NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.								
MLS VOR/DME (IAF)			ASHLI/MLS 14.00 DME (NOPT)			244.81 / 14.00			5000										
ASHLI/MLS 14.00 DME (IF)			FOR NDB			244.35 / 10.34			4100										
										ADDITIONAL FLIGHT DATA: HOLD W, RT, 083.36 INBOUND. FAS OBST: 2940 AAO 461448N/1063210W FOR NDB TO RW27: 3.03/40. CHART CIRCLING ICON.									
1. PT <u>L</u> SIDE OF COURSE <u>064.35</u> OUTBOUND <u>4900</u> FT WITHIN <u>10</u> MILES OF <u>FOR NDB</u> (IAF)																			
2.																			
3. FAC <u>263.36</u> FAF <u>FOR NDB</u> DIST FAF TO MAP <u>4.14</u> THLD <u>4.14</u>																			
4. MIN. ALT <u>FOR NDB 4100</u>																			
8. MSA FROM: <u>FOR NDB 090-270 5500, 270-090 4600</u>										MAG VAR: 9E EPOCH YEAR: 2020									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X									
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-27	3240	1	512	3240	1	512	3240	1 3/8	512	3240	1 3/8	512							
CIRCLING	3240	1	511	3320	1	591	3340	1 3/4	611	3700	3	971							
NOTES:																			
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILES CITY ALTIMETER SETTING: INCREASE ALL ALL MDA 100 FEET; INCREASE S-26 CAT C AND D VISIBILITY 3/8 MILE AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.																			
CITY AND STATE FORSYTH, MT		ELEVATION: 2729 AIRPORT NAME: TILLITT FIELD		TDZE: 2728		FACILITY IDENTIFIER: FOR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 27, AMDT 5, 05/26/2016				SUP NDB RWY 26 AMDT 4 DATE 08/20/2015							



RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 6000 DIRECT FREYA AND ON TRACK 217.67 TO CONUK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 244.81 INBOUND. CHART FAS OBST: 2779 APBN 461602N/1063645W 2920 AAO 461510N/1063217W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 0.89 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 78125 REFERENCE PATH ID: W27A CHART CIRCLING ICON. LTP HAE: 816.1 M							
ASHLI (IAF)		ATIZO (FB)		217.43 / 5.69			4900									
ATIZO (IF)		ALOSY (FB)		267.65 / 6.48			3900									
ALOSY (FAF)		RW27 (MAP) (FO)		267.54 / 3.52												
RW27 (MAP)		2978 MSL		267.54												
2978 MSL		FREYA (FB)														
FREYA		CONUK (FO)		217.67 / 11.81			6000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ATIZO 3. FAC: 267.54 FAF: ALOSY DIST FAF TO MAP: 3.52 THLD: 3.52 4. MIN. ALT: ATIZO 4900, ALOSY 3900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3900 GS ALT AT: ALOSY 3900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.0 34:1 IS NOT CLEAR 8. MSA FROM: RW27 6100											MAG VAR: 9E		EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A X									
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	2978	1	250	2978	1	250	2978	1	250	2978	1	250				
LNAV/VNAV DA	2978	1	250	2978	1	250	2978	1	250	2978	1	250				
LNAV MDA	3040	1	312	3040	1	312	3040	1	312	3040	1	312				
CIRCLING	3160	1	431	3320	1	591	3340	1 3/4	611	3700	3	971				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 53C (128F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 2729 TDZE: 2728			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP: RNAV (GPS) RWY 26				
FORSYTH, MT		AIRPORT NAME: TILLITT FIELD					RNAV (GPS) RWY 27, AMDT 2 26 MAY 2016					AMDT: 1				
												DATED 08/20/2015				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ASHLI ON V2-465 NORTHEAST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILES CITY ALTIMETER SETTING: INCREASE LPV AND LNAV/VNAV DA TO 3066 AND ALL VISIBILITIES 1/8 MILE. INCREASE ALL MDA 100 FT. AND ALL CAT C AND D VISIBILITIES 1/4 MILE.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MILES CITY ALTIMETER SETTING.

QUALITY
18
CHECKED

CITY AND STATE
FORSYTH, MT

ELEVATION: 2729 TDZE: 2728
AIRPORT NAME:
TILLITT FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 2
26 MAY 2016

SUP: RNAV (GPS) RWY 26
AMDT: 1
DATED: 08/20/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	1S3
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	461613.4710N
LTP/FTP LONGITUDE	1063652.1170W
LTP/FTP ELLIPSOIDAL HEIGHT	+08161
FPAP LATITUDE	461623.5030N
FPAP LONGITUDE	1063859.7425W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1288
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 3AF7513C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08314
FPAP ORTHOMETRIC HEIGHT	+08314

QUALITY
18
CHECKED

CITY AND STATE FORSYTH, MT	ELEVATION: 2729 AIRPORT NAME: TILLITT FIELD	TDZE: 2728 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 2 26 MAY 2016	SUP: RNAV (GPS) RWY 26
				AMDT: 1
				DATED: 08/20/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 1S3

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ASHLI	010	ASHLI	IF	FB										E A
ASHLI	020	ATIZO	TF	FB	1.0	217.4						AA 04900		EE B
	010	ATIZO	IF	FB								AA 04900		E I
	020	ALOSY	TF	FB	1.0	267.7				RW27		AA 03900		E F
	030	RW27	TF	FO	0.3	267.5		3.00				AT 02779		GY M
	040		CA	FB		267.5						AA 02978		M
	050	FREYA	DF	FB		267.5								E
	060	CONUK	TF	FO	1.0	217.7						AA 06000		EY
	070	CONUK	HM	FO		244.8			R			AA 06000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ALOSY	N461549.53	W1063149.59
ASHLI	N461900.24	W1061636.59
ATIZO	N461504.88	W1062233.03
CONUK	N460913.42	W1070333.51
FREYA	N461720.26	W1065111.80

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW27	N461613.47	W1063652.12	02728	51.0



CITY AND STATE FORSYTH, MT	ELEVATION: 2729	TDZE: 2728	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 26
	AIRPORT NAME:		RNAV	RNAV (GPS) RWY 27, AMDT 2 26 MAY 2016	AMDT: 1
	TILLITT FIELD			DATED: 08/20/2015	

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
FORSYTH, MT	TILLITT FIELD	26 MAY 2016	1

TAKEOFF MINIMUMS:

RWY 9, 27: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 9: LIGHT SUPPORT STRUCTURE 10 FT FROM DER, 27 FT RIGHT OF CENTERLINE, 2729 FT MSL. TERRAIN 64 FT FROM DER, 214 FT LEFT OF CENTERLINE, 2730 FT MSL. ROAD BEGINNING 196 FT FROM DER, 535 FT RIGHT OF CENTERLINE, UP TO 2743 FT MSL. ROAD 529 FT FROM DER, 608 FT LEFT OF CENTERLINE, 2747 FT MSL. ROAD BEGINNING 540 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 2748 FT MSL.

RWY 27: FENCE AND LIGHT SUPPORT STRUCTURE ABEAM DER, 28 FT RIGHT OF CENTERLINE, UP TO 2731 FT MSL. TERRAIN 26 FT FROM DER, 220 FT RIGHT OF CENTERLINE, 2737 FT MSL. ROAD AND TERRAIN BEGINNING 141 FT FROM DER, 196 FT RIGHT OF CENTERLINE, UP TO 2742 FT MSL. TERRAIN, ROAD, BUILDING, AND TREES BEGINNING 270 FT FROM DER, 445 FT RIGHT OF CENTERLINE, UP TO 2760 FT MSL. TERRAIN 479 FT FROM DER, 474 FT RIGHT OF CENTERLINE, 2763 FT MSL. TREES, ROAD, AND TERRAIN BEGINNING 500 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 2771 FT MSL.

CONTROLLING OBSTACLES:



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
FORSYTH, MT	TILLITT FIELD	26 MAY 2016	1

REMARKS:

FLIGHT INSPECTED BY:

PENDING

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

FRANK JACKSON *Digitally signed by*
FRANK JACKSON AJV-5432 12/12/2015
Jan 14, 2016

APPROVED BY:

Digitally signed by
LONNIE EVERHART **ALLAN WILL** AJV-5430
Jan 20, 2016

COORDINATED WITH:

ALPA, AOPA, NBAA, ZAB, ARPT MGR

CHANGES:

1. CHANGED ALL REFERENCES TO RWYS 8 AND 26 TO RWYS 9 AND 27
2. UPDATED TAKEOFF OBSTACLE NOTES AND GROUPING FORMAT.

REASONS:

1. AIRPORT UPDATED MAGVAR AND RENUMBERED RUNWAYS.
2. IAW MEMORANDUM DATED NOV 9, 2015, SUBJECT DEPARTURE OBSTACLES GROUPER.



RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES											MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 6000 DIRECT AXUPE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 223.11 INBOUND. CHART FAS OBST: 2790 NAV 462444N/1055618W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.16 MILES TO RW04* *LNAV ONLY. WAAS CHANNEL # 42600 REFERENCE PATH ID: W04A CHART CIRCLING ICON. LTP HAE: 785.4 M						
TEJIY (IAF)		OPEJY (NOPT) (FB)			132.64 / 10.00				5500								
ONBOH (IAF)		OPEJY (NOPT) (FB)			312.86 / 10.00				5500								
OPEJY (IF/IAF)		UCVIC (FB)			042.75 / 7.03				4300								
UCVIC (FAF)		YULUT/2.40 NM TO RW04 (FB)			042.85 / 2.72												
YULUT/2.40 NM TO RW04		RW04 (MAP) (FO)			042.85 / 2.40												
RW04 (MAP)		2879 MSL			042.85				6000								
2879 MSL		AXUPE (FO)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW OPEJY, RT, 042.75 INBOUND, 5500 FT. IN LIEU OF PT (IAF) 3. FAC: 042.85 FAF: UCVIC DIST FAF TO MAP: 5.12 THLD: 5.12 4. MIN. ALT: OPEJY 5500, UCVIC 4300, YULUT/2.40 NM TO RW04 3420* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4300 GS ALT AT: UCVIC 4300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____																	
											MAG VAR: 9E EPOCH YEAR: 2020						
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT											ALTERNATE: N A		STANDARD @				
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	2879	1	250	2879	1	250	2879	1	250	2879	1	250					
LNAV/VNAV DA	2879	1	250	2879	1	250	2879	1	250	2879	1	250					
LNAV MDA	3040	1	411	3040	1	411	3040	1 1/8	411	3040	1 1/8	411					
CIRCLING	3060	1	430	3100	1	470	3120	1 1/2	490	3320	2 1/4	690					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FORSYTH ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																	
CITY AND STATE				ELEVATION: 2630 TDZE: 2629				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
MILES CITY, MT				AIRPORT NAME:								RNAV (GPS) RWY 4, AMDT 3				AMDT: 2B	
				FRANK WILEY FIELD								26 MAY 2016				DATED 10/15/2015	



**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORSYTH ALTIMETER SETTING: INCREASE LPV AND LNAV/VNAV DA TO 2967 AND ALL VISIBILITY 1/8 MILE. INCREASE ALL MDA 100 FT. AND ALL CAT C AND D VISIBILITY 1/4 MILE.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	313/30 CW 133/30 (NOPT)	313/10 CW 133/10	6200
2.	313/10 CW 133/10	OPEJY (IF/IAF) (FB)	5500
3.	133/30 CW 223/30	TEJIY (IAF) (FB)	5700
4.	223/30 CW 313/30	ONBOH (IAF) (FB)	5900

QUALITY
16
CHECKED

CITY AND STATE

MILES CITY, MT

ELEVATION: 2630

TDZE: 2629

AIRPORT NAME:

FRANK WILEY FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 3

26 MAY 2016

SUP:

AMDT: 2B

DATED: 10/15/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMLS
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	462518.1910N
LTP/FTP LONGITUDE	1055347.8875W
LTP/FTP ELLIPSOIDAL HEIGHT	+07854
FPAP LATITUDE	462613.1130N
FPAP LONGITUDE	1055206.4800W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 877CE394

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08013
FPAP ORTHOMETRIC HEIGHT	+08013

QUALITY
16
CHECKED

CITY AND STATE MILES CITY, MT	ELEVATION: 2630 AIRPORT NAME: FRANK WILEY FIELD	TDZE: 2629	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 3 26 MAY 2016	SUP:
					AMDT: 2B
					DATED: 10/15/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33														
ARINC SUMMARY - KMLS														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ONBOH	010	ONBOH	IF	FB										E A
ONBOH	020	OPEJY	TF	FB	1.0	312.9						AA 05500		EE B
OPEJY	010	OPEJY	HF	FO		042.8			R			AA 05500		EE A
TEJIY	010	TEJIY	IF	FB										E A
TEJIY	020	OPEJY	TF	FB	1.0	132.6						AA 05500		EE B
	010	OPEJY	IF	FB								AA 05500		E I
	020	UCVIC	TF	FB	1.0	042.8						AA 04300		E F
	021	YULUT	TF	FB	0.3	042.9		3.00				AA 03420 GS 03433		E S
	030	RW04	TF	FO	0.3	042.9		3.00				AT 02669		GY M
	040		CA	FB		042.9						AA 02879		M
	050	AXUPE	DF	FO								AA 06000		EY
	060	AXUPE	HM	FO		223.1			R			AA 06000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
AXUPE			N463352.59			W1053754.10								
ONBOH			N460956.60			W1055841.16								
OPEJY			N461747.89			W1060735.49								
TEJIY			N462538.55			W1061632.47								
UCVIC			N462208.61			W1055937.14								
YULUT			N462349.38			W1055631.66								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW04		N462518.19		W1055347.89		02629		40						



CITY AND STATE MILES CITY, MT	ELEVATION: 2630	TDZE: 2629	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: FRANK WILEY FIELD		RNAV	RNAV (GPS) RWY 4, AMDT 3	AMDT: 2B
				26 MAY 2016	DATED: 10/15/2015

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION INSTRUMENT APPROACH PROCEDURE FEDERAL AVIATION ADMINISTRATION TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 6000 DIRECT BOKDE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.04 INBOUND. CHART FAS OBST: 2709 TREE 462707N/1055611W 2960 AAO 462854N/1055857W. DISTANCE TO THLD FROM 250 HAT: 0.61 NM. CHART VDP AT 0.90 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 97340 REFERENCE PATH ID: W13A CHART CIRCLING ICON. LTP HAE: 785.7 M							
DEYEN (IAF)		EGITE (NOPT) (FB)		215.85 / 10.00			5500									
DHAKS (IAF)		EGITE (NOPT) (FB)		035.61 / 10.00			5500									
EGITE (IF/IAF)		JAXOD (FB)		125.73 / 6.96			4300									
JAXOD (FAF)		RW13 (MAP) (FO)		125.82 / 5.11												
RW13 (MAP)		2880 MSL		125.82												
2880 MSL		BOKDE (FO)					6000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW EGITE, RT, 125.73 INBOUND, 5500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>125.82</u> FAF: <u>JAXOD</u> DIST FAF TO MAP: <u>5.11</u> THLD: <u>5.11</u> 4. MIN. ALT: <u>EGITE 5500, JAXOD 4300</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>4300</u> GS ALT AT: <u>JAXOD 4300</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>43.4</u> 34:1 IS CLEAR 8. MSA FROM: _____											MAG VAR: 9E		EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @							
CATEGORY >>>>>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	2880	1	250	2880	1	250	2880	1	250	2880	1	250				
LNAV/VNAV DA	2880	1	250	2880	1	250	2880	1	250	2880	1	250				
LNAV MDA	2960	1	330	2960	1	330	2960	1	330	2960	1	330				
CIRCLING	3060	1	430	3100	1	470	3120	1 1/2	490	3320	2 1/4	690				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FORSYTH ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 2630 TDZE: 2630			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
MILES CITY, MT		AIRPORT NAME:					RNAV (GPS) RWY 13, ORIG					AMDT: NONE				
		FRANK WILEY FIELD					26 MAY 2016					DATED				



**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORSYTH ALTIMETER SETTING; INCREASE LPV AND LNAV/VNAV DA TO 2968 AND ALL VISIBILITY 1/8 MILE. INCREASE ALL MDA 100 FT. AND ALL CAT C AND D VISIBILITY 1/4 MILE.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	036/30 CW 216/30 (NOPT)	036/15 CW 216/15	5900
2.	036/15 CW 216/15	EGITE (IF/IAF) (FB)	5500
3.	216/30 CW 306/30	216/15 CW 306/15	5900
4.	216/15 CW 306/15	DEYEN (IAF) (FB)	5500
5.	306/30 CW 036/30	306/15 CW 036/15	5900
6.	306/15 CW 036/15	DHAKS (IAF) (FB)	5500

QUALITY
16
CHECKED

CITY AND STATE

MILES CITY, MT

ELEVATION: 2630**TDZE: 2630**

AIRPORT NAME:

FRANK WILEY FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

26 MAY 2016

SUP:

AMDT: **NONE**

DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMLS
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	462605.5225N
LTP/FTP LONGITUDE	1055333.3245W
LTP/FTP ELLIPSOIDAL HEIGHT	+07857
FPAP LATITUDE	462502.6640N
FPAP LONGITUDE	1055202.0700W
THRESHOLD CROSSING HEIGHT (TCH)	00043.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B7F05743

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08016
FPAP ORTHOMETRIC HEIGHT	+08016

QUALITY
16
CHECKED

CITY AND STATE

MILES CITY, MT

ELEVATION: 2630

TDZE: 2630

AIRPORT NAME:

FRANK WILEY FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

26 MAY 2016

SUP:

AMDT:

NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																		
ARINC SUMMARY - KMLS ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>DEYEN</td><td>010</td><td>DEYEN</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>DEYEN</td><td>020</td><td>EGITE</td><td>TF</td><td>FB</td><td>1.0</td><td>215.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 05500</td><td></td><td>EE B</td></tr> <tr><td>DHAKS</td><td>010</td><td>DHAKS</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>DHAKS</td><td>020</td><td>EGITE</td><td>TF</td><td>FB</td><td>1.0</td><td>035.6</td><td></td><td></td><td></td><td></td><td></td><td>AA 05500</td><td></td><td>EE B</td></tr> <tr><td>EGITE</td><td>010</td><td>EGITE</td><td>HF</td><td>FO</td><td></td><td>125.7</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 05500</td><td></td><td>EE A</td></tr> <tr><td></td><td>010</td><td>EGITE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 05500</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>JAXOD</td><td>TF</td><td>FB</td><td>1.0</td><td>125.7</td><td></td><td></td><td></td><td></td><td></td><td>AA 04300</td><td></td><td>E F</td></tr> <tr><td></td><td>030</td><td>RW13</td><td>TF</td><td>FO</td><td>0.3</td><td>125.8</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 02673</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>125.8</td><td></td><td></td><td></td><td></td><td></td><td>AA 02880</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>BOKDE</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 06000</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>BOKDE</td><td>HM</td><td>FO</td><td></td><td>306.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 06000</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>BOKDE</td><td>N461654.15</td><td>W1054015.82</td></tr> <tr><td>DEYEN</td><td>N464141.34</td><td>W1055543.81</td></tr> <tr><td>DHAKS</td><td>N462729.15</td><td>W1061608.04</td></tr> <tr><td>EGITE</td><td>N463435.71</td><td>W1060557.26</td></tr> <tr><td>JAXOD</td><td>N462941.55</td><td>W1055847.61</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW13</td> <td>N462605.52</td> <td>W1055333.32</td> <td>02630</td> <td>43.4</td> </tr> </tbody> </table>															TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE	DEYEN	010	DEYEN	IF	FB										E A	DEYEN	020	EGITE	TF	FB	1.0	215.9						AA 05500		EE B	DHAKS	010	DHAKS	IF	FB										E A	DHAKS	020	EGITE	TF	FB	1.0	035.6						AA 05500		EE B	EGITE	010	EGITE	HF	FO		125.7			R			AA 05500		EE A		010	EGITE	IF	FB								AA 05500		E I		020	JAXOD	TF	FB	1.0	125.7						AA 04300		E F		030	RW13	TF	FO	0.3	125.8		3.00				AT 02673		GY M		040		CA	FB		125.8						AA 02880		M		050	BOKDE	DF	FO								AA 06000		EY		060	BOKDE	HM	FO		306.0			R			AA 06000		EE	POINT NAME	LATITUDE	LONGITUDE	BOKDE	N461654.15	W1054015.82	DEYEN	N464141.34	W1055543.81	DHAKS	N462729.15	W1061608.04	EGITE	N463435.71	W1060557.26	JAXOD	N462941.55	W1055847.61	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW13	N462605.52	W1055333.32	02630	43.4
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CITY AND STATE MILES CITY, MT		ELEVATION: 2630 TDZE: 2630 AIRPORT NAME: FRANK WILEY FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 26 MAY 2016		SUP: AMDT: NONE DATED:																																																																																																																																																																																																																						

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 6000 DIRECT OPEJY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 042.75 INBOUND. CHART FAS OBST: 2735 VERTICAL STRUCTURE 462609N/1055053W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.04 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 77924 REFERENCE PATH ID: W22A CHART CIRCLING ICON. LTP HAE: 784.3 M						
WUTEK (IAF)		AXUPE (NOPT) (FB)			313.21 / 9.70			5800								
JASRU (IAF)		AXUPE (NOPT) (FB)			133.01 / 9.70			5800								
AXUPE (IF/IAF)		ZONOG (FB)			223.11 / 7.88			4300								
ZONOG (FAF)		LOCIP/2.00 NM TO RW22 (FB)			223.00 / 3.12											
LOCIP/2.00 NM TO RW22		RW22 (MAP) (FO)			223.00 / 2.00											
RW22 (MAP)		2878 MSL			223.00											
2878 MSL		OPEJY (FO)						6000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE AXUPE, RT, 223.11 INBOUND, 5800 FT. IN LIEU OF PT (IAF) 3. FAC: 223.00 FAF: ZONOG DIST FAF TO MAP: 5.12 THLD: 5.12 4. MIN. ALT: AXUPE 5800, ZONOG 4300, LOCIP/2.00 NM TO RW22 3300* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4300 GS ALT AT: ZONOG 4300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 43.2 34:1 IS CLEAR 8. MSA FROM: _____										MAG VAR: 9E		EPOCH YEAR: 2020				
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	2878	1	250	2878	1	250	2878	1	250	2878	1	250				
LNAV/VNAV DA	2892	1	264	2892	1	264	2892	1	264	2892	1	264				
LNAV MDA	3000	1	372	3000	1	372	3000	1	372	3000	1	372				
CIRCLING	3060	1	430	3100	1	470	3120	1 1/2	490	3320	2 1/4	690				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FORSYTH ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE MILES CITY, MT		ELEVATION: 2630 TDZE: 2628 AIRPORT NAME: FRANK WILEY FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 26 MAY 2016						SUP:				
												AMDT: ORIG-C				
												DATED 10/15/2015				

QUALITY
 16
 CHECKED

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORSYTH ALTIMETER SETTING: INCREASE LPV

DA TO 2966 AND LNAV/VNAV DA TO 2980 AND ALL VISIBILITIES 1/8 MILE. INCREASE ALL MDA 100 FT. AND

LNAV CAT C AND D VISIBILITY 3/8 MILE AND CIRCLING CAT D 1/4 MILE.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	133/30 CW 313/30 (NOPT)	AXUPE (IF/IAF) (FB)	5800
2.	313/30 CW 043/30	WUTEK (IAF) (FB)	5800
3.	043/30 CW 133/30	JASRU (IAF) (FB)	5800

QUALITY
16
CHECKED

CITY AND STATE

MILES CITY, MT

ELEVATION: 2630

TDZE: 2628

AIRPORT NAME:

FRANK WILEY FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1

26 MAY 2016

SUP:

AMDT: ORIG-C

DATED: 10/15/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMLS
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	462552.7620N
LTP/FTP LONGITUDE	1055244.0590W
LTP/FTP ELLIPSOIDAL HEIGHT	+07843
FPAP LATITUDE	462457.8300N
FPAP LONGITUDE	1055425.4445W
THRESHOLD CROSSING HEIGHT (TCH)	00043.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 5BA9428D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08003
FPAP ORTHOMETRIC HEIGHT	+08003

QUALITY
16
CHECKED

CITY AND STATE MILES CITY, MT	ELEVATION: 2630 AIRPORT NAME: FRANK WILEY FIELD	TDZE: 2628 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 26 MAY 2016	SUP:
				AMDT: ORIG-C
				DATED: 10/15/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KMLS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
AXUPE	010	AXUPE	HF	FO		223.1			R			AA 05800		EE A
JASRU	010	JASRU	IF	FB										E A
JASRU	020	AXUPE	TF	FB	1.0	133.0						AA 05800		EE B
WUTEK	010	WUTEK	IF	FB										E A
WUTEK	020	AXUPE	TF	FB	1.0	313.2						AA 05800		EE B
	010	AXUPE	IF	FB								AA 05800		E I
	020	ZONOG	TF	FB	1.0	223.1						AA 04300		E F
	021	LOCIP	TF	FB	0.3	223.0		3.00				AA 03300 GS 03306		E S
	030	RW22	TF	FO	0.3	223.0		3.00				AT 02669		GY M
	040		CA	FB		223.0						AA 02878		M
	050	OPEJY	DF	FO								AA 06000		EY
	060	OPEJY	HM	FO		042.8			R			AA 06000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AXUPE	N463352.59	W1053754.10
JASRU	N464131.40	W1054633.35
LOCIP	N462706.69	W1055027.41
OPEJY	N461747.89	W1060735.49
WUTEK	N462613.13	W1052917.28
ZONOG	N462902.04	W1054653.93

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22	N462552.76	W1055244.06	02626	43.2

QUALITY
16
CHECKED

CITY AND STATE MILES CITY, MT	ELEVATION: 2630 TDZE: 2628	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: FRANK WILEY FIELD	RNAV	RNAV (GPS) RWY 22, AMDT 1 26 MAY 2016	AMDT: ORIG-C
			DATED: 10/15/2015	

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 6000 DIRECT EGITE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 125.73 INBOUND. CHART FAS OBST: 2755 TWR 462534N/1055140W CHART 2821 TOWER 462302N/1054824W. DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.10 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 56240 REFERENCE PATH ID: W31A CHART CIRCLING ICON. LTP HAE: 784.3 M						
NEUMS (IAF)		BOKDE (NOPT) (FB)			035.92 / 10.00			5500								
EASTE (IAF)		BOKDE (NOPT) (FB)			216.16 / 10.00			5500								
BOKDE (IF/IAF)		AVUNE (FB)			306.04 / 6.96			4300								
AVUNE (FAF)		CADUX/2.00 NM TO RW31 (FB)			305.95 / 3.12											
CADUX/2.00 NM TO RW31		RW31 (MAP) (FO)			305.95 / 2.00											
RW31 (MAP)		2877 MSL			305.95			6000								
2877 MSL		EGITE (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE BOKDE, RT, 306.04 INBOUND, 5500 FT. IN LIEU OF PT (IAF) 3. FAC: 305.95 FAF: AVUNE DIST FAF TO MAP: 5.12 THLD: 5.12 4. MIN. ALT: BOKDE 5500, AVUNE 4300, CADUX/2.00 NM TO RW31 3300* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4300 GS ALT AT: AVUNE 4300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 43.0 34:1 IS CLEAR 8. MSA FROM: _____																
										MAG VAR: 9E EPOCH YEAR: 2020						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	2877	1	250	2877	1	250	2877	1	250	2877	1	250				
LNAV/VNAV DA	2917	1	290	2917	1	290	2917	1	290	2917	1	290				
LNAV MDA	3020	1	393	3020	1	393	3020	1 1/8	393	3020	1 1/8	393				
CIRCLING	3060	1	430	3100	1	470	3120	1 1/2	490	3320	2 1/4	690				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FORSYTH ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 2630 TDZE: 2627			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
MILES CITY, MT		AIRPORT NAME:					RNAV (GPS) RWY 31, ORIG					AMDT: NONE				
		FRANK WILEY FIELD					26 MAY 2016					DATED				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORSYTH ALTIMETER SETTING; INCREASE LPV DA TO 2965 AND ALL VISIBILITY 1/8 MILE, AND INCREASE LNAV/VNAV DA TO 3005 AND ALL VISIBILITY 1/4 MILE. INCREASE ALL MDA 100 FT. AND ALL CAT C AND D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	216/30 CW 036/30 (NOPT)	216/15 CW 036/15	6100
2.	216/15 CW 036/15	BOKDE (IF/IAF) (FB)	5500
3.	036/30 CW 126/30	NEUMS (IAF) (FB)	5900
4.	126/30 CW 216/30	EASTE (IAF) (FB)	5800

QUALITY
16
CHECKED

CITY AND STATE MILES CITY, MT	ELEVATION: 2630 TDZE: 2627 AIRPORT NAME: FRANK WILEY FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 26 MAY 2016	SUP:
				AMDT: NONE
				DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMLS
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	462526.3505N
LTP/FTP LONGITUDE	1055236.4500W
LTP/FTP ELLIPSOIDAL HEIGHT	+07843
FPAP LATITUDE	462629.2000N
FPAP LONGITUDE	1055407.7290W
THRESHOLD CROSSING HEIGHT (TCH)	00043.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A218BBAE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08003
FPAP ORTHOMETRIC HEIGHT	+08003

QUALITY
16
CHECKED

CITY AND STATE

MILES CITY, MT

ELEVATION: 2630

TDZE: 2627

AIRPORT NAME:

FRANK WILEY FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

26 MAY 2016

SUP:

AMDT:

NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KMLS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BOKDE	010	BOKDE	HF	FO		306.0			R			AA 05500		EE A
EASTE	010	EASTE	IF	FB										E A
EASTE	020	BOKDE	TF	FB	1.0	216.2						AA 05500		EE B
NEUMS	010	NEUMS	IF	FB										E A
NEUMS	020	BOKDE	TF	FB	1.0	035.9						AA 05500		EE B
	010	BOKDE	IF	FB								AA 05500		E I
	020	AVUNE	TF	FB	1.0	306.0						AA 04300		E F
	021	CADUX	TF	FB	0.3	306.0		3.00				AA 03300 GS 03306		E S
	030	RW31	TF	FO	0.3	306.0		3.00				AT 02669		GY M
	040		CA	FB		306.0						AA 02877		M
	050	EGITE	DF	FO								AA 06000		EY
	060	EGITE	HM	FO		125.7			R			AA 06000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AVUNE	N462149.41	W1054722.06
BOKDE	N461654.15	W1054015.82
CADUX	N462401.67	W1055033.61
EASTE	N462357.52	W1053002.38
EGITE	N463435.71	W1060557.26
NEUMS	N460949.85	W1055026.64

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N462526.35	W1055236.45	02626	43



CITY AND STATE MILES CITY, MT	ELEVATION: 2630 TDZE: 2627 AIRPORT NAME: FRANK WILEY FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 26 MAY 2016	SUP: AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
MILES CITY, MT	FRANK WILEY FIELD	05/26/2016	1

TAKEOFF MINIMUMS:

RWY 4, 22, 13, 31: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

NOTE: RWY 4, NAVAID 40 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 2628 FT MSL.
NAVAID 40 FT FROM DER, 112 FT LEFT OF CENTERLINE, 2627 FT MSL.
FENCE 130 FT FROM DER, 400 FT LEFT OF CENTERLINE, 2629 FT MSL.
NOTE: RWY 22, VEHICLE ON ROAD, BEGINNING 0 FT FROM DER, 333 FT LEFT OF CENTERLINE, UP TO 2636 FT MSL.
REIL 40 FT FROM DER, 90 FT RIGHT OF CENTERLINE, 4 FT AGL/2627 FT MSL.
REIL 40 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 3 FT AGL/2627 FT MSL.
NOTE: RWY 13, VEHICLE ON ROAD, BEGINNING 0 FT FROM DER, 322 FT LEFT OF CENTERLINE, UP TO 2636 FT MSL.
REIL, 40 FT FROM DER, 90 AND 115 FT RIGHT OF CENTERLINE, UP TO 4 FT AGL/2627 FT MSL. REIL 40 FT FROM DER, 89 FT LEFT OF CENTERLINE, 2627 FT MSL
NOTE: RWY 31, VEHICLE ON ROAD, TREE, POST, BEGINNING 4 FT FROM DER, 398 FT RIGHT OF CENTERLINE, UP TO 2640 FT MSL.
VEHICLE ON ROAD, REIL, TREE, BEGINNING 15 FT FROM DER, 89 FT LEFT OF CENTERLINE, UP TO 2638 FT MSL.
TREE, VEHICLE ON ROAD, BEGINNING 71 FT FROM DER, 395 FT RIGHT OF CENTERLINE, UP TO 2647 FT MSL.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:

REMARKS:



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
MILES CITY, MT	FRANK WILEY FIELD	05/26/2016	1

FLIGHT INSPECTED BY:

PENDING

REQUIRED EFFECTIVE DATE:

DEVELOPED BY: *Digitally signed by*

A.J. FIELDS	AJ FIELDS	AJV-5431	01/21/2016
	Jan 21, 2016		

APPROVED BY: *Digitally signed by*

LONNIE EVERHART	ALLAN WILL	AJV-5430
	Jan 26, 2016	

COORDINATED WITH:

ALPA, AOPA, NBAA, GTF FSS, AMGR

CHANGES:

1. AMENDMENT DUE TO AIRPORT MAGVAR ROTATION.
2. CHANGED TAKEOFF OBSTACLE NOTES FROM NOTE:
RWY 4, REIL 40' FROM DER, 112' LEFT OF CENTERLINE, 1' AGL/2627' MSL. REIL 40' FROM DER, 115' RIGHT OF CENTERLINE, 2' AGL/2628' MSL. FENCE 130' FROM DER, 400' LEFT OF CENTERLINE, UP TO 8' AGL/2629' MSL.
RWY 12, FENCE 215' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 8' AGL/2634' MSL.
RWY 22, FENCE BEGINNING 4' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 8' AGL/2638' MSL. REIL 10' FROM DER, 112' LEFT OF CENTERLINE, 1' AGL/2630' MSL. REIL 10' FROM DER, 115' RIGHT OF CENTERLINE, 2' AGL/2631' MSL. SIGN 29' FROM DER, 199' LEFT OF CENTERLINE, 6' AGL/2630' MSL. TERRAIN 30' FROM DER, 482' LEFT OF CENTERLINE, 2630' MSL.
RWY 30, TREES BEGINNING 69' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 26' AGL/2647' MSL.
TO
NOTE: RWY 4, NAVAID 40 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 2628 FT MSL.
NAVAID 40 FT FROM DER, 112 FT LEFT OF CENTERLINE, 2627 FT MSL.
FENCE 130 FT FROM DER, 400 FT LEFT OF CENTERLINE, 2629 FT MSL.
NOTE: RWY 22, VEHICLE ON ROAD, BEGINNING 0 FT FROM DER, 333 FT LEFT OF CENTERLINE, UP TO 2636 FT MSL.
REIL 40 FT FROM DER, 90 FT RIGHT OF CENTERLINE, 4 FT AGL/2627 FT MSL.
REIL 40 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 3 FT AGL/2627 FT MSL.
NOTE: RWY 13, VEHICLE ON ROAD, BEGINNING 0 FT FROM DER, 322 FT LEFT OF CENTERLINE, UP TO 2636 FT MSL.
REIL, 40 FT FROM DER, 90 AND 115 FT RIGHT OF CENTERLINE, UP TO 4 FT AGL/2627 FT MSL. REIL 40 FT FROM DER, 89 FT LEFT OF CENTERLINE, 2627 FT MSL.
NOTE: RWY 31, VEHICLE ON ROAD, TREE, POST, BEGINNING 4 FT FROM DER, 398 FT RIGHT OF CENTERLINE, UP TO 2640 FT MSL.
VEHICLE ON ROAD, REIL, TREE, BEGINNING 15 FT FROM DER, 89 FT LEFT OF CENTERLINE, UP TO 2638 FT MSL.
TREE, VEHICLE ON ROAD, BEGINNING 71 FT FROM DER, 395 FT RIGHT OF CENTERLINE, UP TO 2647 FT MSL.
3. RWY 12/30 RENUMBERED TO 13/31.

REASONS:

1. AIRPORT MAGVAR CHANGE FROM 12E TO 9 E.
2. OBSTACLE DATA CHANGED, USED OBSTACLE GROUPER TOOL TO GENERATE TAKEOFF OBSTACLE NOTES.
3. MAGVAR UPDATE.

QUALITY
5
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES										MISSED APPROACH														
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: 3.35 MILES AFTER MLS VOR/DME OR AT MLS 3.35 DME FIX												
												CLIMB TO 4800 ON MLS VOR/DME R-036 THEN CLIMBING LEFT TURN TO 6000 DIRECT MLS VOR/DME AND HOLD.												
												ADDITIONAL FLIGHT DATA: HOLD NE, RT, 215.89 INBOUND. CHART FAS OBST: 2794 NV ANT 462443N/1055619W 2940 AAO, 462347N/1055802W. CHART CIRCLING ICON CHART VDP AT 2.12 DME MLS VOR/DME TO RW4: 3.74/40 DISTANCE VDP TO THLD 1.23 MILES												
1. PT <u>L</u> SIDE OF COURSE <u>215.89</u> OUTBOUND <u>5000</u> FT WITHIN <u>10</u> MILES OF <u>MLS VOR/DME</u> (IAF)																								
2.																								
3. FAC <u>035.89</u> FAF <u>MLS VOR/DME</u> DIST FAF TO MAP <u>3.35</u> THLD <u>3.35</u>																								
4. MIN. ALT <u>MLS VOR/DME 4000</u>																								
8. MSA FROM: <u>MLS VOR/DME 4900</u>										MAG VAR: 9E EPOCH YEAR: 2020														
MINIMUMS																								
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @												
CATEGORY =====>		A			B			C			D			E										
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA								
S-4		3060	1	431	3060	1	431	3060	1 1/4	431		NA												
CIRCLING		3060	1	430	3100	1	470	3120	1 1/2	490		NA												
NOTES:																								
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}).										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.														
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORSYTH ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND INCREASE S-4 CAT C VISIBILITY 1/4 MILE.																								
CITY AND STATE MILES CITY, MT					ELEVATION: 2630 TDZE: 2629 AIRPORT NAME: FRANK WILEY FIELD					FACILITY IDENTIFIER: MLS					PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR RWY 4, AMDT 13, 05/26/2016					SUP 4 AMDT 125 DATE 10/15/2015				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: MLS 4.28 DME FIX								
MLS VOR/DME			KINSY/MLS 10.00 DME			037.41 / 10.00			5200		CLIMB TO 6000 DIRECT MLS VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.								
OBYOC/MLS 17.00 DME CCW (IAF)			CFGAD/MLS 17.00 DME (NOPT)			17.00 DME ARC			5000										
OCAHO/MLS 17.00 DME CW (IAF)			CFGAD/MLS 17.00 DME (NOPT)			17.00 DME ARC			5000										
CFGAD/MLS 17.00 DME (IF)			KINSY/MLS 10.00 DME			217.41 / 7.00 (MLS R-037)			4500										
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 037.64 INBOUND. FAS OBST: 2806 AAO 462838N/1054909W 2820 AAO 463038N/1054743W CHART VDP AT 5.50 DME DISTANCE VDP TO THLD 1.22 MILES. CHART MLS R-103 AT OBYOC. CHART MLS R-277 AT OCAHO. CHART CIRCLING ICON KINSY TO RW22: 3.02/43 FAC CROSSES RWY C/L EXTENDED 822 FROM THLD.									
1. PT <u>L</u> SIDE OF COURSE <u>037.41</u> OUTBOUND <u>4600</u> FT WITHIN <u>10</u> MILES OF <u>KINSY</u> (IAF)										MAG VAR: 9E EPOCH YEAR: 2020									
2.																			
3. FAC <u>217.41</u> FAF <u>KINSY/MLS 10.00 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.72</u>																			
4. MIN. ALT <u>KINSY/MLS 10.00 DME 4500</u>																			
8. MSA FROM: <u>MLS VOR/DME 4900</u>																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
S-22		3060	1	432	3060	1	432	3060	1 1/4	432	3060	1 1/4	432						
CIRCLING		3060	1	430	3100	1	470	3120	1 1/2	490	3320	2 1/4	690						
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORSYTH ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND INCREASE S-22 CAT C/D VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT D 800-2 1/4																			
CITY AND STATE MILES CITY, MT		ELEVATION: 2630 TDZE: 2628 AIRPORT NAME: FRANK WILEY FIELD			FACILITY IDENTIFIER: MLS			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 22, AMDT 9, 05/26/2016								SUP 4 AMDT 8C DATE 10/15/2015			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES										MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: BUPAY/I-MOT 0.49 DME									
CUDRI/MOT 13.00 DME CW (IAF)			DOYAB/I-MOT 12.40 DME			13.00 DME ARC (MOT LR-297)			3800		CLIMB TO 3700 ON I-MOT SE COURSE (128) TO HEKTA/I-MOT 13.60 DME/RADAR AND HOLD.									
DOYAB/I-MOT 12.40 DME (IF)			OROB/I-MOT 4.77 DME/RADAR			128.38 / 7.63 (I-MOT)			3400											
										ADDITIONAL FLIGHT DATA: HOLD SE, LT, 308.40 INBOUND. CHART FAS OBST: 1798 TOWER 481631N/1011749W CHART MOT R-258 AT CUDRI. OROB TO RW13: 3.05/49.										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																				
2. PROFILE STARTS AT DOYAB/I-MOT 12.40 DME																				
3. FAC 128.38 FAF OROB/I-MOT 4.77 DME/RADAR										DIST FAF TO MAP _____ THLD 5.10										
4. MIN. ALT DOYAB 3800, OROB 3400																				
8. MSA FROM: MOT VORTAC 090-270 4200, 270-090 3700										MAG VAR: 10E EPOCH YEAR:1990										
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @ #								
CATEGORY =====>		A			B			C			D			E						
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-13		2060	1	358	2060	1	358	2060	1	358	2060	1	358							
CIRCLING		2200	1	484	2200	1	484	2280	1 1/2	564	2320	2	604							
NOTES:																				
CHART PROFILE NOTE: USE I-MOT DME WHEN ON THE LOCALIZER COURSE.										# NA WHEN CONTROL TOWER CLOSED.										
CHART PROFILE NOTE: DISREGARD GS INDICATIONS.										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.										
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINOT AFB ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND S-13 CAT C/D VISIBILITY TO 1 1/8.										QUALITY 7 CHECKED										
CITY AND STATE		ELEVATION: 1716 TDZE: 1702			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP								
MINOT, ND		AIRPORT NAME:			I-MOT			LOC/DME BC RWY 13, AMDT 8A 26 MAY 2016				AMDT 8								
		MINOT INTL										DATE 04/13/2006								

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
LOC BC STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25														
ARINC SUMMARY - KMOT														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CUDRI	010	CUDRI	IF	FB			MOT							E A
CUDRI	020	DOYAB	AF	FB		257.7	MOT		R			AA 03800		EE B
	010	DOYAB	IF	FB			IMOT					AA 03800		E I
	020	OROB	CF	FB		128.0	IMOT			MOT		AA 03400		E F
	030	BUPAY	CF	FO		128.0	IMOT	3.05				AT 02017		EY M
	040	HEKTA	TF	FO								AA 03700		EYM
	050	HEKTA	HM	FO		308.4			L			AA 03700		EE
POINTS														
POINT NAME	LATITUDE			LONGITUDE										
MOT	N481537.21			W1011713.44										
IMOT (DME)	N481611.57			W1011736.69										
CUDRI	N481544.82			W1013640.74										
BUPAY	N481631.81			W1011808.59										
DOYAB	N482525.03			W1013001.42										
HEKTA	N480559.53			W1010410.87										
OROB	N481943.49			W1012224.16										
IMOT (LOC)	N481609.38			W1011738.71										
RUNWAYS														
RUNWAY	THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH				
RW13	N481554.90			W1011719.46			01702			49				



CITY AND STATE MINOT, ND	ELEVATION: 1716	TDZE: 1702	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: MINOT INTL		I-MOT	LOC/DME BC RWY 13, AMDT 8A	AMDT: 8
				26 MAY 2016	DATED: 04/13/2006

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW36						
STRUM (IAF)		ARIME (NOPT) (FB)		039.14 / 17.45				4000		CLIMBING LEFT TURN TO 4000 DIRECT ARIME AND HOLD.						
TAPSE (IAF)		ARIME (NOPT) (FB)		316.42 / 15.09				4000								
ARIME (IF/IAF)		FORME (FB)		002.49 / 4.82				3400		ADDITIONAL FLIGHT DATA: FAS OBST: 1359 TREE 432054N/0720942W 1755 AAO 431934N/0720940W. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. CHART CIRCLING ICON. FAC CROSSES RWY 36 THRESHOLD. CHART KLEB ASOS.						
FORME (FAF)		JOYED/3.30 NM TO RW36		002.47 / 3.21												
JOYED/3.30 NM TO RW36		RW36 (MAP) (FO)		002.47 / 3.30												
RW36 (MAP)		1185 MSL		002.47												
1185 MSL		ARIME (FO)						4000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD S ARIME, RT, 002.49 INBOUND, 4000 FT. IN LIEU OF PT (IAF)																
3. FAC: 002.47 FAF: FORME DIST FAF TO MAP: 6.51 THLD: 6.51																
4. MIN. ALT: ARIME 4000, FORME 3400, JOYED/3.30 NM TO RW36 2120																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																
8. MSA FROM: RW36 4600																
MAG VAR: 16W EPOCH YEAR: 1985																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X						
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
CIRCLING		1900	1 1/4	1115	1900	1 1/2	1115		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: CIRCLING NA TO RWYS 12 AND 30. CHART NOTE: CIRCLING NA E OF RWY 18-36. (CONTINUED ON PAGE 2)																
CITY AND STATE NEWPORT, NH		ELEVATION: 785 TDZE:		AIRPORT NAME: PARLIN FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 26 MAY 2016				SUP: AMDT: NONE DATED				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE LEBANON ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STRUM ON V151 SOUTHBOUND AND V490 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TAPSE ON V93/T295 NORTHEAST BOUND.

CITY AND STATE NEWPORT, NH	ELEVATION: 785 AIRPORT NAME: PARLIN FIELD	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 26 MAY 2016	SUP:
					AMDT: NONE
					DATED:

QUALITY
4

CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 2B3

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ARIME	010	ARIME	HF	FO		002.5			R			AA 04000		EE A
STRUM	010	STRUM	IF	FB										E A
STRUM	020	ARIME	TF	FB	1.0	039.1						AA 04000		EE B
TAPSE	010	TAPSE	IF	FB										E A
TAPSE	020	ARIME	TF	FB	1.0	316.4						AA 04000		EE B
	010	ARIME	IF	FB								AA 04000		E I
	020	FORME	TF	FB	1.0	002.5				RW36		AA 03400		E F
	021	JOYED	TF	FB	0.3	002.5		3.75				AA 02120 GS 02120		E S
	030	RW36	TF	FO	0.3	002.5		3.75				AT 00807		GY M
	040		CA	FB		002.5						AA 01185		M
	050	ARIME	DF	FO					L			AA 04000		EY
	060	ARIME	HM	FO		002.5			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ARIME	N431153.76	W0720726.30
FORME	N431634.98	W0720858.77
JOYED	N431942.48	W0721000.56
STRUM	N425551.18	W0721648.88
TAPSE	N430416.55	W0714938.92

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N432254.86	W0721104.06	00772	35

CITY AND STATE NEWPORT, NH	ELEVATION: 785 TDZE: AIRPORT NAME: PARLIN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 26 MAY 2016	SUP: 4 AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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City, State	Airport	Effective Date	Amdt. No.
NEWPORT, NH	PARLIN FIELD	26 MAY 2016	ORIG

TAKEOFF MINIMUMS:

RWY 12, 30: NA – ENVIRONMENTAL.

RWY 18, 600-2 1/2 WITH MINIMUM CLIMB OF 365 FT PER NM TO 3400 OR 2300-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 36, 700-1 3/4 WITH MINIMUM CLIMB OF 487 FT PER NM TO 3700 OR 2300-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18: CLIMB HEADING 182.46 TO 3200 BEFORE PROCEEDING ON COURSE.

RWY 36: CLIMB HEADING 002.47 TO 2100 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS PARLIN FIELD AT OR ABOVE 2900 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, ROW OF TREES BEGINNING 7 FT FROM DER, FROM 131 FT LEFT TO 460 FT RIGHT OF CENTERLINE, AND CONTINUING 2715 FT SOUTH ALONG BOTH BANKS OF THE RIVER, UP TO 100 FT AGL/887 FT MSL.
TREES BEGINNING 8 FT FROM DER, 460 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/907 FT MSL.
TREES BEGINNING 439 FT FROM DER, 594 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/926 FT MSL.
BUILDINGS AND TREES BEGINNING 2654 FT FROM DER, 677 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/926 FT MSL.
BUILDINGS AND TREES BEGINNING 3117 FT FROM DER, 983 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/946 FT MSL.
TREES BEGINNING 3626 FT FROM DER, 502 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/946 FT MSL.
TREES BEGINNING 3812 FT FROM DER, 640 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/966 FT MSL.
BUILDINGS AND TREES BEGINNING 4084 FT FROM DER, 1528 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/966 FT MSL.
BUILDINGS, VEHICLES, AND TREES BEGINNING 4085 FT FROM DER, 974 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/985 FT MSL.
TREES BEGINNING 4273 FT FROM DER, 1161 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/998 FT MSL.
TREES BEGINNING 4559 FT FROM DER, 1340 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1018 FT MSL.
BUILDINGS AND TREES BEGINNING 4630 FT FROM DER, 1577 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1037 FT MSL.
BUILDINGS, TREES BEGINNING 4826 FT FROM DER, 1559 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1064 FT MSL.
BUILDINGS, VEHICLES, AND TREES BEGINNING 5046 FT FROM DER, 1757 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1084 FT MSL.
BUILDINGS, VEHICLES, AND TREES BEGINNING 5503 FT FROM DER, 1946 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL, 1103 FT MSL.
TOWER 1.0 NM FROM DER, 155 FT RIGHT OF CENTERLINE, 206 FT AGL/990 FT MSL.
BUILDINGS, VEHICLES, AND TREES BEGINNING 1.4 NM FROM DER, 2233 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1123 FT MSL.
TREES BEGINNING 1.4 NM FROM DER, 2374 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1103 FT MSL.
TREES BEGINNING 1.6 NM FROM DER, 2567 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1222 FT MSL.
TREES BEGINNING 1.7 NM FROM DER, 2804 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1281 FT MSL.
TREES BEGINNING 1.9 NM FROM DER, 2480 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1300 FT MSL.
TREES BEGINNING 2.0 NM FROM DER, 3003 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1359 FT MSL.

RWY 36, VEHICLES ON ROAD BEGINNING FROM DER, FROM 130 FT LEFT TO 380 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/802 FT MSL.

TREES BEGINNING 61 FT FROM DER, FROM 264 FT LEFT TO 393 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/887 FEET MSL.
TREES BEGINNING 67 FT FROM DER, 192 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/907 FT MSL.
TREES BEGINNING 101 FT FROM DER, 408 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/907 FT MSL.
TREES BEGINNING 112 FT FROM DER, 453 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/926 MSL.
TREES BEGINNING 181 FT FROM DER, 330 FT RIGHT OF CENTERLINE, UP TO 100 FT MSL/946 FT MSL.
TREES BEGINNING 1056 FT FROM DER, FROM 25 FT RIGHT TO 854 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/966 FT MSL.
TREES BEGINNING 1485 FT FROM DER, FROM 37 FT RIGHT TO 937 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/985 FT MSL.
TREES BEGINNING 1587 FT FROM DER, 381 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1005 FT MSL.
TREES BEGINNING 1634 FT FROM DER, 455 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1024 FT MSL.
TREES BEGINNING 1703 FT FROM DER, 429 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1044 FT MSL.
TREES BEGINNING 1796 FT FROM DER, 292 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1064 FT MSL.
TREES BEGINNING 1880 FT FROM DER, 352 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1084 FT MSL.
TREES BEGINNING 4213 FT FROM DER, FROM 313 FT LEFT TO 1324 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1005 FT MSL.
TREES CONTINUING FROM 5591 FT FROM DER, ON RISING HILLSIDE, 826 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1103 FT MSL.
TREES CONTINUING FROM 5936 FT FROM DER, ON RISING HILLSIDE, 913 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1123 FT MSL.
TREES CONTINUING FROM 1.0 NM FROM DER, ON RISING HILLSIDE, 992 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1162 FT MSL.
TREES CONTINUING FROM 1.1 NM FROM DER, ON RISING HILLSIDE, 1158 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1202 FT MSL.
TREES CONTINUING FROM 1.2 NM FROM DER, ON RISING HILLSIDE, 1335 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1241 FT MSL.
TREES BEGINNING 1.2 NM FROM DER, 2305 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/ 1064 FT MSL.
TREES CONTINUING FROM 1.3 NM FROM DER, ON RISING HILLSIDE, 1486 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1340 FT MSL.
TREES CONTINUING FROM 1.4 NM FROM DER, ON RISING HILLSIDE, 2436 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1399 FT MSL.

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
NEWPORT, NH	PARLIN FIELD	26 MAY 2016	ORIG

TREES 1.5 NM FROM DER, ON HILLTOP, 2732 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1418 FT MSL.

CONTROLLING OBSTACLES:

RWY 18: 1755 MSL AAO, 431937.12N/0720901.64W (365 CLIMB GRADIENT), 2739 MSL AAO 431551.41N/0720548.27W (2000 AND 3400 CLIMB TO ALTITUDE), 926 MSL TREE 432246.37N/0721109.67W (2737 CLIMB GRADIENT), 1359 MSL TREE 432104.38N/0720936.25W (CEILING/VISIBILITY).

RWY 36: 946 MSL TREE, 432327.94N/0721108.26W (7145 CLIMB GRADIENT), 2976 FT MSL AAO 432913.06N/0721258.16W (3700 AND 2600 CLIMB-TO ALTITUDE/487 CLIMB GRADIENT), 1418 MSL TREE 432443.35N/0721219.40W (CEILING/VISIBILITY).

VCOA: 2976 MSL AAO 432913.06N/0721258.16W (40:1); 1751 MSL TREE 432447.83N/0720951.44 (LEVEL SURFACE).

OBSTACLES MANDATING ROUTE DEVELOPMENT:

RWY 18: 2936 MSL AAO, 431849.43N/0720429.43W

RWY 36: 2936 MSL AAO, 431849.43N/0720429.43W



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
NEWPORT, NH	PARLIN FIELD	26 MAY 2016	ORIG

REMARKS:

CHART NOTE AT BOTTOM OF TAKEOFF MINIMUMS: PROCEDURE NA AT NIGHT.
AFS (PRB 3/2/2016) DISAPPROVED EXCESSIVE CLIMB GRADIENTS 2737 (RWY 18)/ 7145 (RWY 36) AND APPROVED CEILING AND VISIBILITY WITH CLIMB GRADIENT TO ALTITUDE AND VISUAL CLIMB OVER AIRPORT (VCOA) FOR RUNWAYS 18/36.
FLIGHT CHECK NIGHT EVALUATION NOT CONDUCTED, PROCEDURE NA AT NIGHT.

FLIGHT INSPECTED BY: *Digitally signed by*
JULIE A MORGAN

REQUIRED EFFECTIVE DATE:

BRAD SNELLING Apr 19, 2016 FICO 10/29/2015 CONCURRENT

DEVELOPED BY:

JOHN THORNTON AJV-5413 *Digitally signed by*
JOHN R THORNTON 8/07/2015
Apr 19, 2016

APPROVED BY:

GEORGE GONZALEZ AJV-5410 *Digitally signed by*
JULIE A MORGAN
Apr 19, 2016

COORDINATED WITH:

ALPA, APA, AOPA, NBAA, HAI, ZDC, ACY APP CON, WRI APP CON, AMGR

CHANGES:

ORIGINAL

REASONS:

EFFECTIVE CONCURRENT WITH: AIRSPACE DOCKET 14-ANE-3.

04/19/2016: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 7 AUG 2015.
- TAKEOFF MINIMUMS: RWY 18 - REMOVED "OR STANDARD WITH MINIMUM CLIMB OF 2737 PER NM TO 2000".
- TAKEOFF MINIMUMS: RWY 36 - REMOVED "OR STANDARD WITH MINIMUM CLIMB OF 7145 FT PER NM TO 2600".
- UPDATED REMARKS.



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO			COURSE AND DISTANCE			ALTITUDE		MAP: 5.38 MILES AFTER FAAIR INT									
ZEZEE (IAF)		WELDD (FB)			119.01 / 4.11			3000		CLIMB TO 600 THEN CLIMBING RIGHT TURN 2000 DIRECT CAT NDB AND HOLD, OR AS DIRECTED BY ATC. (ADF REQUIRED) ALTERNATE MA: CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2200 ON SBJ VOR/DME R-057 DIRECT SBJ VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 035.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW SBJ VOR/DME, RT, 061.01 INBOUND. FAS OBST: 687 AAO 405549N/0741433W CHART 300 TREE 405450N/0741523W. CHART IN PLANVIEW: SBJ VOR/DME. FAAIR TO RW22: 3.10/58. CHART SAX 15.9 DME AT FAAIR IN PLANVIEW. CHART CIRCLING ICON.									
WELDD (IAF)		LADYE (FB)			119.07 / 4.11			3000											
LADYE (IAF)		DOWDY (FB)			155.59 / 5.89			2400											
DOWDY INT (IF)		FAAIR INT			222.62 / 3.92 (I-CDW)			2000											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 13W EPOCH YEAR:1985									
2. PROFILE STARTS AT DOWDY																			
3. FAC 222.62 FAF FAAIR INT DIST FAF TO MAP 5.38 THLD 5.38																			
4. MIN. ALT DOWDY 2400, FAAIR 2000, KOLLI INT 1000																			
8. MSA FROM: TEB VOR/DME 3000																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X							
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
S-22		1000	1	828	1000	1 1/4	828	1000	2 1/2	828	1000	2 1/2	828						
CIRCLING		1000	1 1/4	828	1040	1 1/4	868	1100	2 3/4	928	1400	3	1228						
KOLLI INT MINIMUMS																			
S-22		560	1	388	560	1	388	560	1 1/8	388	560	1 1/8	388						
CIRCLING		960	1	788	1040	1 1/4	868	1100	2 3/4	928	1400	3	1228						
NOTES:																			
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWARK ALTIMETER SETTING AND INCREASE ALL MDA 60 FT AND S-22 CAT A AND CIRCLING CAT C VISIBILITY 1/4 MILE. KOLLI INT MINIMUMS: INCREASE ALL MDA 60 FT AND INCREASE S-22 CATS C/D AND CIRCLING CATS A AND C VISIBILITY 1/4 MILE. CHART PLANVIEW NOTE: GPS OR RADAR REQUIRED . (CONTINUED ON PAGE 2)																			
CITY AND STATE CALDWELL, NJ		ELEVATION: 172 TDZE: 172 AIRPORT NAME: ESSEX COUNTY			FACILITY IDENTIFIER: I-CDW			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 22, AMDT 4 26 MAY 2016						SUP AMDT DATE 01/08/2015					

LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25

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NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 4, 10, 28 NA.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}).

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CITY AND STATE

CALDWELL, NJ

ELEVATION: 172

TDZE: 172

AIRPORT NAME:

ESSEX COUNTY

FACILITY
IDENTIFIER:

I-CDW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 22, AMDT 4

26 MAY 2016

SUP:

AMDT:

DATED:

QUALITY
4

CHECKED

3B

01/08/2015

LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25

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CITY AND STATE
CALDWELL, NJ

ELEVATION: 172 TDZE: 172
AIRPORT NAME:
ESSEX COUNTY

FACILITY
IDENTIFIER:
I-CDW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
LOC RWY 22, AMDT 4
26 MAY 2016

SUP: **QUALITY**
4
CHECKED
AMDT: 3B
DATED: 01/08/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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ARINC SUMMARY - KCDW

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
LADYE	010	LADYE	FC	FB		155.6	HVN					AA 02400		E A
LADYE	020	DOWDY	CF	FB		155.6	ICDW					AA 02400		EE B
WELDD	010	WELDD	IF	FB										E A
WELDD	020	LADYE	TF	FB								AA 03000		E
WELDD	030	LADYE	FC	FB		155.6	HVN					AA 02400		E
WELDD	040	DOWDY	CF	FB		155.6	ICDW					AA 02400		EE B
ZEZEE	010	ZEZEE	IF	FB										E A
ZEZEE	020	WELDD	TF	FB								AA 03000		E
ZEZEE	030	LADYE	TF	FB								AA 03000		E
ZEZEE	040	LADYE	FC	FB		155.6	HVN					AA 02400		E
ZEZEE	050	DOWDY	CF	FB		155.6	ICDW					AA 02400		EE B
	010	DOWDY	IF	FB			ICDW					AA 02400		E I
	020	FAAIR	CF	FB		223.0	ICDW			TEB		AA 02000		E F
	021	KOLLI	CF	FB		223.0	ICDW	3.10				AA 01000		E S
	030	RW22	CF	FO		223.0	ICDW	3.10				AT 00230		GY M
	040		CA	FB		222.6						AA 00600		M
	050	CAT	DF	FO								AA 02000		NY
	060	CAT	HM	FO		035.0			L			AA 02000		NE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HVN	N411544.31	W0725306.66
TEB	N405055.39	W0740344.07
CAT	N404426.81	W0742547.59
DOWDY	N410047.10	W0741038.09
FAAIR	N405722.53	W0741311.90
KOLLI	N405447.13	W0741508.53
LADYE	N410528.14	W0741521.79
WELDD	N410636.51	W0742034.94
ZEZEE	N410744.64	W0742548.27
ICDW (LOC)	N405200.80	W0741713.16

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH

QUALITY
15
CHECKED

CITY AND STATE CALDWELL, NJ	ELEVATION: 172 TDZE: 172	FACILITY IDENTIFIER: I-CDW	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: ESSEX COUNTY		LOC RWY 22, AMDT 4	AMDT: 3B
			26 MAY 2016	DATED: 01/08/2015

RW22	N405241.88	W0741642.41	00172	58



CITY AND STATE CALDWELL, NJ	ELEVATION: 172	TDZE: 172	FACILITY IDENTIFIER: I-CDW	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: LOC RWY 22, AMDT 4 26 MAY 2016	SUP:
	AIRPORT NAME: ESSEX COUNTY	AMDT: 3B			
	DATED: 01/08/2015				

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 2000 DIRECT YOVUN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 042.53 INBOUND. CHART FAS OBST: 411 TREE 405213N/0741613W FAS OBST: 687 AAO 405549N/0741433W DISTANCE TO THLD FROM 287 HAT: 0.69 NM. WAAS CHANNEL # 58022 REFERENCE PATH ID: W22A CHART CIRCLING ICON. LTP HAE: 20 M					
ZEZEE (IAF)		WELDD (FB)		119.01 / 4.11				3000							
WELDD (IAF)		LADYE (FB)		119.07 / 4.11				3000							
LADYE (IAF)		DOWDY (FB)		155.59 / 5.89				2400							
DOWDY (IF)		FAAIR (FB)		222.69 / 3.92				2000							
FAAIR (FAF)		KOLLI/2.40 NM TO RW22 (FB)		222.66 / 2.98											
KOLLI/2.40 NM TO RW22		RW22 (MAP) (FO)		222.66 / 2.40											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT DOWDY 3. FAC: 222.66 FAF: FAAIR DIST FAF TO MAP: 5.38 THLD: 5.38 4. MIN. ALT: DOWDY 2400, FAAIR 2000, KOLLI/2.40 NM TO RW22 1000* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: FAAIR 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.10 TCH: 58.0 34:1 IS NOT CLEAR 8. MSA FROM: RW22 2900															
										MAG VAR: 13W EPOCH YEAR: 1985					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	459	1	287	459	1	287	459	1	287		NA				
LNAV/VNAV DA	610	1 3/8	438	610	1 3/8	438	610	1 3/8	438		NA				
LNAV MDA	680	1	508	680	1	508	680	1 3/8	508		NA				
CIRCLING	960	1	788	1040	1 1/4	868	1100	2 3/4	928		NA				
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING NEWARK ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE CALDWELL, NJ		ELEVATION: 172 TDZE: 172 AIRPORT NAME: ESSEX COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 2 26 MAY 2016				SUP: 4 AMDT: 1B DATED 01/08/2015					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW22 (MAP)	459 MSL	222.66	
459 MSL	YOVUN (FO)		2000

NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWARK ALTIMETER SETTING AND INCREASE ALL DA 50 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C AND CIRCLING CATS A AND C VISIBILITY 1/4 MILE.

CHART NOTE: NIGHT LANDING: RWY 4, 10, 28 NA.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}).

CITY AND STATE
CALDWELL, NJ

ELEVATION: 172 TDZE: 172
AIRPORT NAME:
ESSEX COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 2
26 MAY 2016

SUP: 4
AMDT: 15
DATED: 01/08/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCDW
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	405241.8845N
LTP/FTP LONGITUDE	0741642.4070W
LTP/FTP ELLIPSOIDAL HEIGHT	+00200
FPAP LATITUDE	405124.3760N
FPAP LONGITUDE	0741740.4430W
THRESHOLD CROSSING HEIGHT (TCH)	00058.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A7D9C019

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00525
FPAP ORTHOMETRIC HEIGHT	+00525

CITY AND STATE

CALDWELL, NJ

ELEVATION: 172

TDZE: 172

AIRPORT NAME:

ESSEX COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 2

26 MAY 2016

SUP:

QUALITY
4

AMDT:

CHECKED
15

DATED:

01/08/2015

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCDWK6FR22	ALADYE	010LADYEK6EA0E	A	IF					18000		A	JS
SUSAP	KCDWK6FR22	ALADYE	020DOWDYK6EA0EE	B	010TF		15560059	+	02400			A	JS
SUSAP	KCDWK6FR22	AWELDD	010WELDDK6EA0E	A	IF					18000		A	JS
SUSAP	KCDWK6FR22	AWELDD	020LADYEK6EA0E		010TF		11910041	+	03000			A	JS
SUSAP	KCDWK6FR22	AWELDD	030DOWDYK6EA0EE	B	010TF		15560059	+	02400			A	JS
SUSAP	KCDWK6FR22	AZEZEE	010ZEZEK6EA0E	A	IF					18000		A	JS
SUSAP	KCDWK6FR22	AZEZEE	020WELDDK6EA0E		010TF		11900041	+	03000			A	JS
SUSAP	KCDWK6FR22	AZEZEE	030LADYEK6EA0E		010TF		11910041	+	03000			A	JS
SUSAP	KCDWK6FR22	AZEZEE	040DOWDYK6EA0EE	B	010TF		15560059	+	02400			A	JS
SUSAP	KCDWK6FR22	R	010DOWDYK6EA0E	I	IF			+	02400	18000		A	JS
SUSAP	KCDWK6FR22	R	020FAAIRK6EA1E	F	051TF		22270039	+	02000		RW22	K6PGA	JS
SUSAP	KCDWK6FR22	R	020FAAIRK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KCDWK6FR22	R	021KOLLIK6EA0E	S	031TF		22270030	V	0100001020	-310		A	JS
SUSAP	KCDWK6FR22	R	030RW22	K6PGOGY	M	031TF	22270024		00230	-310		A	JS
SUSAP	KCDWK6FR22	R	040		M	CA	2227	+	00459			A	JS
SUSAP	KCDWK6FR22	R	050YOVUNK6EA0EY		DF			+	02000			A	JS
SUSAP	KCDWK6FR22	R	060YOVUNK6EA0EE	R	HM		04250040	+	02000			A	JS

[illegible]

CITY AND STATE CALDWELL, NJ	ELEVATION: 172 TDZE: 172	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 2	SUP:
	AIRPORT NAME: ESSEX COUNTY		26 MAY 2016	AMDT: 1B
				DATED: 01/08/2015

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

	1			2			3			4			5			6			7			8			9			0			1			2			3													
MSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	1	2	3	4	5	6																																												

CITY AND STATE CALDWELL, NJ	ELEVATION: 172	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 2 26 MAY 2016	SUP:
	AIRPORT NAME: ESSEX COUNTY			AMDT:
				DATED: 01/08/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LADYE	LADYE	010	IAF	IF		FB					
	LADYE	DOWDY	020		TF		FB	1.0	155.6 (142.6T)	005.9	AA 02400	
	WELDD	WELDD	010	IAF	IF		FB					
	WELDD	LADYE	020		TF		FB	1.0	119.1 (106.1T)	004.1	AA 03000	
	WELDD	DOWDY	030		TF		FB	1.0	155.6 (142.6T)	005.9	AA 02400	
	ZEZEE	ZEZEE	010	IAF	IF		FB					
	ZEZEE	WELDD	020		TF		FB	1.0	119.0 (106.0T)	004.1	AA 03000	
	ZEZEE	LADYE	030		TF		FB	1.0	119.1 (106.1T)	004.1	AA 03000	
	ZEZEE	DOWDY	040		TF		FB	1.0	155.6 (142.6T)	005.9	AA 02400	
		DOWDY	010	FACF	IF		FB				AA 02400	
		FAAIR	020	FAF	TF		FB	0.5	222.7 (209.7T)	003.9	AA 02000	
		KOLLI	021	SDF	TF		FB	0.3	222.7 (209.7T)	003.0	AA 01000	GS 01020
		RW22	030	MAP	TF		FO	0.3	222.7 (209.7T)	002.4	AT 00230	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		222.7 (209.7T)		AA 00459	
		YOVUN	050		DF		FO				AA 02000	
		YOVUN	060		HM	R	FO		042.5 (029.5T)	004.0	AA 02000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		DOWDY	N410047.10		W0741038.09		N4100.785		W07410.635			
		FAAIR	N405722.53		W0741311.90		N4057.376		W07413.198			
		KOLLI	N405447.13		W0741508.53		N4054.786		W07415.142			
		LADYE	N410528.14		W0741521.79		N4105.469		W07415.363			
		WELDD	N410636.51		W0742034.94		N4106.609		W07420.582			
		YOVUN	N404159.32		W0742442.11		N4041.989		W07424.702			
		ZEZEE	N410744.64		W0742548.27		N4107.744		W07425.805			
		RW22	N405241.88		W0741642.41		N4052.698		W07416.707			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW22	00172		58							
CITY AND STATE		ELEVATION: 172		TDZE: 172		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:		SUP:		
CALDWELL, NJ		AIRPORT NAME:		ESSEX COUNTY		RNAV		RNAV (GPS) RWY 22, AMDT 2		AMDT: 4		
								26 MAY 2016		DATED: 01/08/2015		

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES											MISSED APPROACH								
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW08 CLIMB TO 8700 DIRECT PIETA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 259.24 INBOUND. CHART FAS OBST: 6346 ELEVATOR 345934N/1060300W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.18 NM TO RW08* *LNAV ONLY. WAAS CHANNEL # 86239 REFERENCE PATH ID: W08A LTP HAE: 1871.4 M								
CYOTE (IAF)		RIDSE (NOPT) (FB)			065.39 / 5.73				9700										
RIDSE (IF/IAF)		ORNEE (FB)			078.99 / 5.47				8400										
ORNEE (FAF)		RW08 (MAP) (FO)			078.98 / 6.77														
RW08 (MAP)		6454 MSL			078.98				8700										
6454 MSL		PIETA (FO)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W RIDSE, RT, 078.99 INBOUND, 9700 FT. IN LIEU OF PT (IAF) 3. FAC: 078.98 FAF: ORNEE DIST FAF TO MAP: 6.77 THLD: 6.77 4. MIN. ALT: RIDSE 9700, ORNEE 8400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 8400 GS ALT AT: ORNEE 8400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 34:1 IS NOT CLEAR 8. MSA FROM: RW08 11900																MAG VAR: 11E		EPOCH YEAR: 1995	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A			B			C			D			E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	6454	7/8	250	6454	7/8	250	6454	7/8	250		NA								
LNAV/VNAV DA	6454	7/8	250	6454	7/8	250	6454	7/8	250		NA								
LNAV MDA	6640	1	436	6640	1	436	6640	1 1/4	436		NA								
CIRCLING	6660	1	456	6680	1	476	6760	1 1/2	556		NA								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: VDP AND BARO-VNAV NA WITH ALBUQUERQUE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -27C (-16F) OR ABOVE 54C (130F). (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 6204 TDZE: 6204				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:							
MORIARTY, NM		AIRPORT NAME: MORIARTY						RNAV (GPS) RWY 8, ORIG, 05/26/2016				AMDT: NONE							
												DATED:							

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
NOTES, (CONT.): CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBUQUERQUE ALTIMETER SETTING AND INCREASE ALL DA TO 7153 FEET, INCREASE ALL MDA TO 7340 ; INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS 3 1/8 MILE , INCREASE LNAV AND CIRCLING VISIBILITY CAT A 1/4 MILE, CAT B 1/2 MILE, AND LNAV CAT C 1 7/8 MILES AND CIRCLING CAT C 1 1/2 MILE. CHART NOTE: NIGHT LANDING: RWY 18/36 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CYOTE ON V60 SOUTHWEST BOUND.					
CITY AND STATE MORIARTY, NM	ELEVATION: 6204	TDZE: 6204	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG, 05/26/2016	SUP:
	AIRPORT NAME: MORIARTY	AMDT: NONE			
	DATED:				

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	0E0
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	345856.2745N
LTP/FTP LONGITUDE	1060104.4785W
LTP/FTP ELLIPSOIDAL HEIGHT	+18714
FPAP LATITUDE	345856.1600N
FPAP LONGITUDE	1055916.0500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

C316B119

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+18910
FPAP ORTHOMETRIC HEIGHT	+18910

CITY AND STATE

MORIARTY, NM

ELEVATION: 6204

TDZE: 6204

AIRPORT NAME:

MORIARTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG, 05/26/2016

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																
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CITY AND STATE MORIARTY, NM		ELEVATION: 6204 TDZE: 6204 AIRPORT NAME: MORIARTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 05/26/2016		SUP: QUALITY 4 AMDT: CHECK NONE DATED:																																																																																																																																																																																				

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW26 CLIMB TO 9700 DIRECT RIDSE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9700. ADDITIONAL FLIGHT DATA: HOLD W, RT, 078.99 INBOUND. FAS OBST: 6376 RD 345819N/1055724W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. CHART VDP AT 1.30 MILES TO RW26* *LNAV ONLY. WAAS CHANNEL # 40039 REFERENCE PATH ID: W26A CHART CIRCLING ICON DISTANCE TO THLD FROM 250 HAT: 0.68 NM. LTP HAE: 1865.7 M					
OTO VOR		PIETA (FO)		113.78 / 9.50				8700							
MEKUE (IAF)		PIETA (NOPT) (FB)		283.58 / 8.20				8700							
SALGE (IAF)		PIETA (NOPT) (FB)		210.60 / 8.11				8700							
PIETA (IF/IAF)		SOWAR (FB)		259.24 / 4.69				8100							
SOWAR (FAF)		RW26 (MAP) (FO)		259.19 / 5.88						MAG VAR: 11E EPOCH YEAR: 1995					
RW26 (MAP)		6443 MSL		259.19				9700							
6443 MSL		RIDSE (FO)													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E PIETA, RT, 259.24 INBOUND, 8700 FT. IN LIEU OF PT (IAF) 3. FAC: 259.19 FAF: SOWAR DIST FAF TO MAP: 5.88 THLD: 5.88 4. MIN. ALT: PIETA 8700, SOWAR 8100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 8100 GS ALT AT: SOWAR 8100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW26 11900															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY ==>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	6443	7/8	250	6443	7/8	250	6443	7/8	250		NA				
LNAV/VNAV DA	6443	7/8	250	6443	7/8	250	6443	7/8	250		NA				
LNAV MDA	6640	1	447	6640	1	447	6640	1 3/8	447		NA				
CIRCLING	6660	1	456	6680	1	476	6740	1 1/2	536		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP AND BARO-VNAV NA WITH ALBUQUERQUE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -27C (-16F) OR ABOVE 54C (130F). (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 6204 TDZE: 6193				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG, 05/26/2016				SUP: QUALITY AMDT: 4 DATED: NONE CHECKED			
MORIARTY, NM		MORIARTY													

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MEKUE ON V234 NORTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SALGE ON V12 EAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OTO VOR ON V83 NORTHBOUND, V12 WESTBOUND AND V60 SOUTHWEST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBUQUERQUE ALTIMETER SETTING AND INCREASE DA TO 7142 AND INCREASE MDA TO 7339; INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS 3

1/8 MILE, INCREASE LNAV AND CIRCLING VISIBILITY CAT A 1/4 MILE, CAT B 1/2 MILE AND LNAV CAT C 1

5/8 MILE AND CIRCLING CAT C 1 1/2 MILE.

CHART NOTE: NIGHT LANDING: RWY 18/36 NA.

CITY AND STATE

MORIARTY, NM

ELEVATION: 6204

TDZE: 6193

AIRPORT NAME:

MORIARTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, ORIG, 05/26/2016

SUP:

AMDT: NONE

DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	0E0
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	345856.1260N
LTP/FTP LONGITUDE	1055931.9450W
LTP/FTP ELLIPSOIDAL HEIGHT	+18657
FPAP LATITUDE	345856.3000N
FPAP LONGITUDE	1060120.3780W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

18709210

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+18854
FPAP ORTHOMETRIC HEIGHT	+18854

CITY AND STATE

MORIARTY, NM

ELEVATION: 6204

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AIRPORT NAME:

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RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG, 05/26/2016

SUP:

QUALITY
4

AMDT:

CHECKED
NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
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MEKUE	010	MEKUE	IF	FB										E A
MEKUE	020	PIETA	TF	FB	1.0	283.6						AA 08700		EE B
OTO	010	OTO	IF	FB										V
OTO	020	PIETA	TF	FO	1.0	113.8						AA 08700		EY
OTO	030	PIETA	HF	FO		259.2			R			AA 08700		EE A
SALGE	010	SALGE	IF	FB										E A
SALGE	020	PIETA	TF	FB	1.0	210.6						AA 08700		EE B
	010	PIETA	IF	FB								AA 08700		E I
	020	SOWAR	TF	FB	1.0	259.2				RW26		AA 08100		E F
	030	RW26	TF	FO	0.3	259.2		3.00				AT 06226		GY M
	040		CA	FB		259.2						AA 06443		M
	050	RIDSE	DF	FO								AA 09700		EY
	060	RIDSE	HM	FO		079.0			R			AA 09700	AB 210	EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
OTO			N350420.17			W1055609.89								
MEKUE			N345529.39			W1053735.52								
PIETA			N345854.11			W1054640.14								
RIDSE			N345856.52			W1061558.21								
SALGE			N350458.77			W1054007.02								
SOWAR			N345855.18			W1055222.31								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW26		N345856.13		W1055931.95		06186		40						

CITY AND STATE MORIARTY, NM	ELEVATION: 6204	TDZE: 6193	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 05/26/2016	SUP:	QUALITY
	AIRPORT NAME: MORIARTY				AMDT:	4
					DATED:	NONE

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
MORIARTY, NM	MORIARTY	26 MAY 2016	ORIG

TAKEOFF MINIMUMS:

RWY 8, 18, 26, 36: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 8: CLIMB HEADING 079.10 TO 7100 BEFORE PROCEEDING ON COURSE.

RWY 18: CLIMB HEADING 169.13 TO 6900 BEFORE PROCEEDING ON COURSE.

RWY 26, 36: CLIMBING RIGHT TURN DIRECT OTO VOR, CONTINUE CLIMB IN OTO VOR HOLDING PATTERN (HOLD E, RT, 254.00 INBOUND) TO CROSS OTO VOR AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8: FENCE 86 FT FROM DER, 393 FT RIGHT OF CENTERLINE, 4 FT AGL/6189 FT MSL.

NOTE: RWY 26: BUSH 4 FT FROM DER, 462 FT RIGHT OF CENTERLINE, 6207 FT MSL. BUSH 67 FT FROM DER, 9 FT LEFT OF CENTERLINE, 6206 FT MSL. TREE 1689 FT FROM DER, 395 FT RIGHT OF CENTERLINE, 6248 FT MSL. TREE 1851 FT FROM DER, 248 FT RIGHT OF CENTERLINE, 49 FT AGL/6256 FT MSL.

NOTE: RWY 36: WINDSOCK 63 FT FROM DER, 323 FT RIGHT OF CENTERLINE, 11 FT AGL/6193 FT MSL. AWOS ANTENNA 778 FT FROM DER, 605 FT LEFT OF CENTERLINE, 31 FT AGL/6218 FT MSL. POWER TRANSMISSION LINE 1323 FT FROM DER, 389 FT LEFT OF CENTERLINE, 6222 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 8, 18, 26, 36: 10840 FT MSL AAO 351220.47N/1062643.59W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
MORIARTY, NM	MORIARTY	26 MAY 2016	ORIG

REMARKS:

FLIGHT INSPECTED BY:

PENDING

REQUIRED EFFECTIVE DATE:

5/26/2016

DEVELOPED BY:

STEVEN NELSON *Digitally signed by*
STEVEN NELSON AJV-5423 03/25/2016
Mar 28, 2016

APPROVED BY:

TONY LAWSON *Digitally signed by*
JACOB POWERS AJV-5420
Apr 18, 2016

COORDINATED WITH:

ATA, APA, AOPA, NBAA, ZAB, ABQ APP CON, ARPT MGR

CHANGES:

REASONS:



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																			
2. ____																			
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____																			
4. MIN. ALT ____																			
8. MSA FROM:										MAG VAR: EPOCH YEAR:									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																			
CITY AND STATE ELKO, NV				ELEVATION: 5140 TDZE: 5051 AIRPORT NAME: ELKO RGNL				FACILITY IDENTIFIER: GPS				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: GPS RWY 5, ORIG, 02/29/1996						SUP AMD'T DATE	
																		NONE	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LDA/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: ZABTU/I-EKO 0.81 DME					
BQU VOR/DME		AASON/I-EKO 8.91 DME		030.87 / 9.13				9500		CLIMB TO 6600 THEN CLIMBING LEFT TURN TO 10000 DIRECT BQU VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000. ADDITIONAL FLIGHT DATA: HOLD S, LT, 340.00 INBOUND. CHART FAS OBST: 5299 TREE 404952N/1154343W OBST: 5720 AAO 405001N/1154230W CHART (CFBZR) AT INTERSECTION OF BUCAK DR LEG AND INTERMEDIATE COURSE. HAHAS TO RW24: 3.42/51. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 1662 FT FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 5.97 DEGREES. CHART IN PLANVIEW: BQU 9.13 DME AT AASON.					
ELROD/BQU 25.00 DME (IAF)		BUCAK/BQU 20.75 DME (NOPT)		219.80 / 4.25 (BQU R-040)				9000							
BUCAK/BQU 20.75 DME		JACKD/I-EKO 15.01 DME		197.60 / 3.17 (HDG) & 242.60 / 3.26 (I-EKO)				9000							
JACKD/I-EKO 15.01 DME (IF)		AASON/I-EKO 8.91 DME		242.60 / 6.10				8000							
1. PT <u>L</u> SIDE OF COURSE <u>062.60</u> OUTBOUND <u>9500</u> FT WITHIN <u>10</u> MILES OF <u>AASON</u> (IAF) 2. _____ 3. FAC <u>242.60</u> FAF <u>AASON/I-EKO 8.91 DME</u> DIST FAF TO MAP _____ THLD <u>8.10</u> 4. MIN. ALT <u>JACKD 9000, AASON 8000, FARAS/I-EKO 7.21 DME 7400, GELDS/I-EKO 5.01 DME 6600, HAHAS/I-EKO 3.91 DME 6240</u> 8. MSA FROM: <u>BQU VOR/DME 360-180 12600, 180-360 10000</u>										MAG VAR: 12E		EPOCH YEAR: 2020			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@ STANDARD					
CATEGORY =====>		A		B		C		D		E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-24	5800	1	736	5800	1	736	5800	1 5/8	736	5800	1 5/8	736			
CIRCLING	5920	1	780	6100	1 1/2	960	6620	3	1480	6980	3	1840			
NOTES: CHART NOTE: NIGHT LANDING: RWY 12, 24 NA. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CATS A AND B. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: USE I-EKO DME WHEN ON THE LOCALIZER COURSE. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-24 CAT C AND D VISIBILITY TO 2 MILES.															
CITY AND STATE ELKO, NV		ELEVATION: 5140 AIRPORT NAME: ELKO RGNL		TDZE: 5064		FACILITY IDENTIFIER: I-EKO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LDA/DME RWY 24, AMDT 6 26 MAY 2016				SUP LDA/DME RWY 23			
												AMDT			
												DATE 05/10/2007			

**LDA/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
6
CHECKED

CITY AND STATE

ELKO, NV

ELEVATION: 5140

TDZE: 5064

AIRPORT NAME:

ELKO RGNL

FACILITY
IDENTIFIER:

I-EKO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LDA/DME RWY 24, AMDT 6

26 MAY 2016

SUP: LDA/DME RWY 23

AMDT: 5

DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LDA STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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ARINC SUMMARY - KEKO

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BQU	010	BQU	IF	FB										V
BQU	020	AASON	TF	FB								AA 09500		E
BQU	030	AASON	PI	FB		017.6	IEKO		R			AA 09500		EE A
ELROD	010	ELROD	IF	FB										E A
ELROD	020	BUCAK	TF	FB								AA 09000		E
ELROD	030	CFBZR	TF	FB								AA 09000		E
ELROD	040	JACKD	CF	FB		242.6	IEKO					AA 09000		EE B
	010	JACKD	IF	FB			IEKO					AA 09000		E I
	020	AASON	CF	FB		243.0	IEKO			BQU		AA 08000		E F
	021	FARAS	CF	FB		243.0	IEKO	3.42				AA 07400		E S
	022	GELDS	CF	FB		243.0	IEKO	3.42				AA 06600		E S
	023	HAHAS	CF	FB		243.0	IEKO	3.42				AA 06240		E S
	030	ZABTU	CF	FO		243.0	IEKO	3.42				AT 05115		EY M
	040		CA	FB		242.6						AA 06600		M
	050	BQU	DF	FO					L			AA 10000		VY
	060	BQU	HM	FO		340.0			L			AA 10000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BQU	N404534.83	W1154540.92
IEKO (DME)	N404920.36	W1154805.05
ELROD	N405913.43	W1151803.59
AASON	N405142.12	W1153645.58
BUCAK	N405654.74	W1152246.13
CFBZR	N405409.30	W1152449.99
FARAS	N405115.20	W1153855.25
GELDS	N405040.28	W1154143.00
HAHAS	N405022.80	W1154306.86
JACKD	N405318.36	W1152900.36
ZABTU	N404933.44	W1154703.12
IEKO (LOC)	N404920.63	W1154804.36

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH

QUALITY
28
CHECKED

CITY AND STATE
ELKO, NV

ELEVATION: 5140 TDZE: 5064
AIRPORT NAME:
ELKO RGNL

FACILITY
IDENTIFIER:
I-EKO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LDA/DME RWY 24, AMDT 6
26 MAY 2016

SUP: LDA/DME RWY 23
AMDT: 5
DATED: 05/10/2007

RW24	N404931.79	W1154702.52	05064	51



CITY AND STATE ELKO, NV	ELEVATION: 5140	TDZE: 5064	FACILITY IDENTIFIER: I-EKO	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: LDA/DME RWY 24, AMDT 6 26 MAY 2016	SUP: LDA/DME RWY 23
	AIRPORT NAME: ELKO RGNL	AMDT: 5			
	DATED: 05/10/2007				

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW06						
ARAYI		SAZTO (FO)		222.34 / 31.85				10000		CLIMB TO 6800 THEN CLIMBING RIGHT TURN TO 10000 DIRECT SAZTO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000.						
SAZTO (IF/IAF)		EGOLY (FB)		056.41 / 9.07				7300								
EGOLY (FAF)		FATRO/4.73 NM TO RW06 (FB)		056.53 / 2.20				10000		ADDITIONAL FLIGHT DATA: FAS OBST: 5640 AAO 404822N/1155303W. 5889 AAO 404751N/1155445W. CHART VDP AT 3.69 MILES TO RW06. CHART CIRCLING ICON. EGOLY TO RW06: 3.00/41.						
FATRO/4.73 NM TO RW06		RW06 (MAP) (FO)		056.53 / 4.73												
RW06 (MAP)		6800 MSL		56.53												
6800 MSL		SAZTO (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD SW SAZTO, LT, 056.41 INBOUND, 10000 FT. IN LIEU OF PT (IAF)																
3. FAC: 056.53 FAF: EGOLY DIST FAF TO MAP: 6.93 THLD: 6.93																
4. MIN. ALT: SAZTO 10000, EGOLY 7300, FATRO/4.73 NM TO RW06 6600																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																
8. MSA FROM: RW06 12500										MAG VAR: 12E			EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		X						
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	6280	1	1229	6280	1	1229	6280	3	1229	6280	3	1229				
CIRCLING	6280	1 1/4	1140	6280	1 1/2	1140	6640	3	1500	6960	3	1820				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: NIGHT LANDING: RWY 12 NA. CHART NOTE: CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ARAYI ON V293 NORTHBOUND AND V6 EASTBOUND.																
CITY AND STATE ELKO, NV		ELEVATION: 5140 TDZE: 5051 AIRPORT NAME: ELKO RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 26 MAY 2016				SUP: AMDT: NONE DATED				



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																
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QUALITY
 5
 CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: ZOKEG							
YOBBO		BUCAK (FB)		148.31 / 13.10				9000		CLIMB TO 10000 DIRECT SAZTO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000.							
VODOU		BUCAK (FB)		204.09 / 10.88				9000									
JEBEG		TEVOE (FB)		004.02 / 30.06				12700		ADDITIONAL FLIGHT DATA: HOLD SW, LT, 056.41 INBOUND. FAS OBST: 6010 AAO 405049N/1154054W 6329 AAO 405020N/1154008W. CHART VDP AT 2.86 MILES TO ZOKEG. FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD. CHART CIRCLING ICON. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 10.79 DEGREES. LOYIW TO RW24: 3.00/51.							
BUCAK (IAF)		KOQHO (FB)		209.77 / 8.10				9000									
TEVOE (IAF)		SPEIL (FB)		294.46 / 7.41				12300									
SPEIL		KOQHO (FB)		294.37 / 7.41				9000									
KOQHO (IF)		LOYIW (FB)		259.99 / 5.37				7600									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT KOQHO																	
3. FAC: 247.53 FAF: LOYIW DIST FAF TO MAP: 7.33 THLD: 7.82																	
4. MIN. ALT: KOQHO 9000, LOYIW 7600, NIXIE/4.74 NM TO ZOKEG 6780																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																	
8. MSA FROM: ZOKEG 12500																	
MAG VAR: 12E EPOCH YEAR: 2020																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X							
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LNAV MDA	6260	3/4	1196	6260	1	1196	6260	3	1196	6260	3	1196					
CIRCLING	6260	1 1/4	1120	6260	1 1/2	1120	6640	3	1500	6960	3	1820					
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CATS C/D. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PROFILE NOTE: PROCEDURE NA FOR ARRIVALS AT YOBBO ON V293 NORTHEAST BOUND, ARRIVALS AT VODOU (CONTINUED ON PAGE 2)																	
CITY AND STATE ELKO, NV		ELEVATION: 5140 TDZE: 5064 AIRPORT NAME: ELKO RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 26 MAY 2016				SUP: RNAV (GPS) RWY 23 AMDT: ORIG-A DATED 05/15/2003					

QUALITY
5
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LOYIW (FAF)	NIXIE/4.74 NM TO ZOKEG (FB)	247.53 / 2.59	
NIXIE/4.74 NM TO ZOKEG	ZOKEG (MAP) (FO)	247.53 / 4.74	
ZOKEG (MAP)	5540 MSL	247.53	
5540 MSL	SAZTO (FO)		10000

NOTES, (CONT.):

ON V6 NORTHEAST BOUND, ARRIVALS AT BUCAK ON V465 NORTHEAST BOUND, AND ARRIVALS AT JEBEG ON V293 SOUTHEAST BOUND.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: NIGHT LANDING: RWY 12 NA.

QUALITY
5
CHECKED

CITY AND STATE

ELKO, NV

ELEVATION: 5140

TDZE: 5064

AIRPORT NAME:

ELKO RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 1

26 MAY 2016

SUP: RNAV (GPS) RWY 23

AMDT: ORIG-A

DATED: 05/15/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KEKO

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JEBEG	010	JEBEG	IF	FB										E
JEBEG	020	TEVOE	TF	FB	2.0	004.0						AA 12700		E A
JEBEG	030	SPEIL	TF	FB	1.0	294.5						AA 12300		E
JEBEG	040	KOQHO	TF	FB	1.0	294.4						AA 09000		EE B
VODOU	010	VODOU	IF	FB										E
VODOU	020	BUCAK	TF	FB	2.0	204.1						AA 09000		E A
VODOU	030	KOQHO	TF	FB	1.0	209.8						AA 09000		EE B
YOBBO	010	YOBBO	IF	FB										E
YOBBO	020	BUCAK	TF	FB	2.0	148.3						AA 09000		E A
YOBBO	030	KOQHO	TF	FB	1.0	209.8						AA 09000		EE B
	010	KOQHO	IF	FB								AA 09000		E I
	020	LOYIW	TF	FB	1.0	260.0				ZOKEG		AA 07600		E F
	021	NIXIE	TF	FB	0.3	247.5		3.00				AA 06780 GS 06782		E S
	030	ZOKEG	TF	FO	0.3	247.5		3.00				AT 05272		EY M
	040		CA	FB		247.5						AA 05540		M
	050	SAZTO	DF	FO								AA 10000		EY
	060	SAZTO	HM	FO		056.4			L			AA 10000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BUCAK	N405654.74	W1152246.13
JEBEG	N401310.26	W1152504.82
KOQHO	N405052.00	W1152952.52
LOYIW	N405102.98	W1153656.47
NIXIE	N405034.69	W1154017.59
SAZTO	N404316.85	W1160755.84
SPEIL	N404628.51	W1152200.97
TEVOE	N404204.49	W1151410.46
VODOU	N410543.04	W1151418.45
YOBBO	N410915.18	W1152835.47
ZOKEG	N404942.59	W1154626.18

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH

CITY AND STATE ELKO, NV	ELEVATION: 5140 TDZE: 5064	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 23
	AIRPORT NAME: ELKO RGNL	RNAV	RNAV (GPS) RWY 24, AMDT 1 26 MAY 2016	AMDT: ORIG-A
				DATED: 05/15/2003

QUALITY
4

RW24	N404931.79	W1154702.52	05064	51



CITY AND STATE ELKO, NV	ELEVATION: 5140	TDZE: 5064	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 23
	AIRPORT NAME: ELKO RGNL	AMDT: ORIG-A			
	DATED: 05/15/2003				

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
ELKO, NV	ELKO RGNL	26 MAY 2016	6

TAKEOFF MINIMUMS:

RWY 12, 30: NA - ATC.
RWY 6, STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 7200, OR 2000-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 24, STANDARD WITH A MINIMUM CLIMB OF 390 FT PER NM TO 8400, OR 2000-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6, CLIMB HEADING 056.62 TO 6500 THEN CLIMBING RIGHT TURN DIRECT BQU VOR/DME THENCE...

RWY 24, CLIMB HEADING 236.63 TO 6100 THEN CLIMBING LEFT TURN DIRECT BQU VOR/DME THENCE...

...CONTINUE CLIMB IN BQU VOR/DME HOLDING PATTERN (HOLD SOUTH, LEFT TURNS, 340.00 INBOUND) TO CROSS BQU VOR/DME AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

RWY 6, 24: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS ELKO RGNL AIRPORT AT OR ABOVE 7000, THEN PROCEED TO BQU VOR/DME AND CONTINUE CLIMB IN BQU VOR/DME HOLDING PATTERN (HOLD SOUTH, LEFT TURNS, 340.00 INBOUND) TO CROSS BQU VOR/DME AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, OL ON LTD WSK 253 FT FROM DER, 155 FT RIGHT OF CENTERLINE, 5095 FT MSL. LT POLES, BEGINNING 277 FT FROM DER, 332 FT RIGHT OF CENTERLINE, UP TO 5097 FT MSL. TREES, BLDGS, AND ANTS ON OL BLDGS, BEGINNING 676 FT FROM DER, 209 FT RIGHT OF CENTERLINE, UP TO 5111 FT MSL. POLE 765 FT FROM DER, 422 FT LEFT OF CENTERLINE, 5110 FT MSL. OLS ON POLES, BEGINNING 903 FT FROM DER, 435 FT LEFT OF CENTERLINE, UP TO 5130 FT MSL. TREES, POLES, AND OLS ON POLES, BEGINNING 961 FT FROM DER, 130 FT LEFT OF CENTERLINE, UP TO 5207 FT MSL. ANT 3007 FT FROM DER, 84 FT RIGHT OF CENTERLINE, 5165 FT MSL. TREE 3676 FT FROM DER, 251 FT RIGHT OF CENTERLINE, 5191 FT MSL.

NOTE: RWY 24, VEHICLES ON ROAD, BEGINNING 672 FT FROM DER, 315 FT RIGHT OF CENTERLINE, UP TO 5075 FT MSL. POLES, TREES BEGINNING 1179 FT FROM DER, 171 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/5100 FT MSL. POLES, BEGINNING 1243 FT FROM DER, 663 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/5085 FT MSL. SIGNS, BEGINNING 1566 FT FROM DER, 714 FT RIGHT OF CENTERLINE, UP TO 5128 FT MSL. SIGNS, ELEVATORS, SILOS BEGINNING 2155 FT FROM DER, 437 FT RIGHT OF CENTERLINE, UP TO 44 FT AGL/5132 FT MSL.

CONTROLLING OBSTACLES:

RWY 6: 6665 FT MSL AAO 404846.34N/1154159.31W.

VCOA: 6665 FT MSL AAO 404846.34N/1154159.31W, 11467 FT MSL AAO 403724.00N/1152330.00W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 6: 11382 FT MSL AAO 403724.00N/1152836.00W.
RWY 24: 7577 FT MSL AAO 405521.00N/1155057.00W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
ELKO, NV	ELKO RGNL	26 MAY 2016	6

REMARKS:

REFERENCE MAG VAR: KEKO 12E EPOCH YEAR: 2020; BQU VOR/DME 17E EPOCH YEAR: 1975.

FLIGHT INSPECTED BY:

Digitally signed by

GARY J VEER **ALLAN WILL** FICO 03/31/16
Apr 04, 2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by

VICTOR BOONE **ALLAN WILL** AJV5431 11/12/2015
Feb 10, 2016

APPROVED BY:

Digitally signed by

LONNIE EVERHART **ALLAN WILL** AJV-5430
Apr 04, 2016

COORDINATED WITH:

ALPA, APA, AOPA, NBAA, ZLC, AMGR

CHANGES:

1. CHANGED RUNWAY NUMBERING FROM 05/23 TO 06/24.
2. ADDED VCOA WITH CEILING AND VISIBILITY.
3. RAISED RWY 6 CLIMB GRADIENT FROM 495 FT PER NM TO 8000 TO 500 FT PER NM TO 7200.
4. RAISED RWY 24 CLIMB GRADIENT FROM 340 FT PER NM TO 8000 TO 390 FT PER NM TO 8400 AND REMOVED 2500-3 CEILING/VIS.
5. REMOVED RWY 24 TO V32 DEPARTURE INSTRUCTIONS.
6. CHANGED RWY 6 DEPARTURE PROCEDURE FROM CLIMB HEADING 053 DEGREES TO 6000 TO CLIMB HEADING 056.62 TO 6500.
7. CHANGED RWY 24 DEPARTURE PROCEDURE FROM CLIMB HEADING 233 DEGREES TO CLIMB HEADING 236.63 DEGREES.

REASONS:

1. MAGVAR EPOCH YEAR 2020 AT KEKO CHANGED FROM 16E TO 12E
2. PER 8260.3C VOL 4, PARA 4: OBSTACLES MORE THAN 3 NM AWAY REQUIRING A CG REQUIRES A VCOA.
- 3, 4. NEW OBSTACLE DATA.
5. NO LONGER NEEDED.
- 6, 7. MAGVAR EPOCH YEAR 2020 AT KEKO CHANGED FROM 16E TO 12E AND NEW OBSTACLE DATA.

QUALITY
3
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO			COURSE AND DISTANCE				ALTITUDE		MAP: 4.04 MILES AFTER BQU VOR/DME OR AT BAGKA/BQU 4.04 DME FIX								
											CLIMBING LEFT TURN TO 10000 DIRECT BQU VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000.								
											ADDITIONAL FLIGHT DATA: HOLD S, LT, 340.00 INBOUND. FAS OBST: 6640 AAO 404642N/1154445W OBST: 6663 AAO 404535N/1154541W FAC CROSSES MID POINT OF RWY 6-24. CHART CIRCLING ICON.								
1. PT <u>R</u> SIDE OF COURSE <u>150.00</u> OUTBOUND <u>8900</u> FT WITHIN <u>10</u> MILES OF <u>BQU VOR/DME</u> (IAF)																			
2.																			
3. FAC <u>324.02</u> FAF <u>BQU VOR/DME</u> DIST FAF TO MAP <u>4.04</u> THLD																			
4. MIN. ALT <u>BQU VOR/DME 7500</u>																			
8. MSA FROM: <u>BQU VOR/DME 360-180 12600, 180-360 10000</u>										MAG VAR: 17E EPOCH YEAR: 1975									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@							
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
CIRCLING		6900	1 1/4	1760	6900	1 1/2	1760	6900	3	1760	6900	3	1760						
NOTES:																			
CHART NOTE: NIGHT LANDING: RWY 12 NA.										@ CAT A, B 1800-2, CAT C, D 1800-3									
CHART PLANVIEW NOTE: DESCEND IN BQU VOR/DME HOLDING PATTERN TO 11000 BEFORE COMMENCING PROCEDURE TURN.																			
CHART NOTE: CIRCLING NA FOR CAT D SE OF RWY 6-24.																			
CITY AND STATE		ELEVATION: 5140			TDZE:			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP				
ELKO, NV		AIRPORT NAME:						BQU		VOR-A, AMDT 6 26 MAY 2016					AMDT 5				
		ELKO RGNL													DATE 05/10/2007				



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: BAGKA/BQU 4.04 DME					
MUNGO/BQU 10.00 DME CW (IAF)		PEPIY/10.00 DME (NOPT)		10.00 DME ARC				12000		CLIMBING LEFT TURN TO 10000 DIRECT BQU VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000. ADDITIONAL FLIGHT DATA: HOLD S, LT, 340.00 INBOUND. CHART FAS OBST: 5878 TREE 404719N/1154559W CHART (CFCDG) AT INTERSECTION OF DUCAY DR LEG AND INTERMEDIATE COURSE. CHART BQU R-040 AT MUNGO. CHART BQU R-115 AT PEPIY. CHART BQU R-241 AT OLGAA. FAC CROSSES MID POINT OF RWY 6-24. CHART CIRCLING ICON. CHART BQU R-137 AT SIKEE					
PEPIY/BQU 10.00 DME CW		BUTTA/BQU 10.00 DME		10.00 DME ARC				9500							
SIKEE/BQU 25.00 DME (IAF)		DUCAY/BQU 17.00 DME (NOPT)		317.00 / 8.00 (BQU R-137)				13000							
DUCAY/BQU 17.00 DME		BUTTA/BQU 10.00 DME		279.00 / 4.89 (HDG) & 330.00 / 3.49 (BQU R-150)				9500							
OLGAA/BQU 10.00 DME CCW (IAF)		BUTTA/BQU 10.00 DME (NOPT)		10.00 DME ARC				9500							
BUTTA/BQU 10.00 DME (IF)		BQU VOR/DME		330.00 / 10.00 (BQU R-150)				7500							
1. PT <u> R </u> SIDE OF COURSE <u> 150.00 </u> OUTBOUND <u> 9500 </u> FT WITHIN <u> 10 </u> MILES OF <u> BQU VOR/DME </u> (IAF) 2. _____ 3. FAC <u> 324.02 </u> FAF <u> BQU VOR/DME </u> DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u> BQU VOR/DME 7500, ATACI/2.00 DME 6920 </u> 8. MSA FROM: <u> BQU VOR/DME 360-180 12600, 180-360 10000 </u>										MAG VAR: 17E				EPOCH YEAR: 1975	
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@					
CATEGORY =====>		A		B		C		D		E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	6400	1 1/4	1260	6400	1 1/2	1260	6400	3	1260	6400	3	1260			
NOTES: CHART NOTE: NIGHT LANDING: RWY 12 NA. CHART PLANVIEW NOTE: DESCEND IN BQU VOR/DME HOLDING PATTERN TO 11000 BEFORE COMMENCING PROCEDURE TURN. CHART NOTE: CIRCLING NA FOR CATS C AND D SE OF RWY 6-24.															
CITY AND STATE ELKO, NV		ELEVATION: 5140 AIRPORT NAME: ELKO RGNL		TDZE:		FACILITY IDENTIFIER: BQU		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-B, AMDT 5 26 MAY 2016				SUP			
												AMDT 4			
												DATE 05/10/2007			



VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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QUALITY
6
CHECKED

CITY AND STATE

ELKO, NV

ELEVATION: 5140

TDZE:

AIRPORT NAME:

ELKO RGNL

FACILITY
IDENTIFIER:

BQU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME-B, AMDT 5

26 MAY 2016

SUP:

AMDT: 4

DATED: 05/10/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
				ADDITIONAL FLIGHT DATA:			
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF) 2. ____ 3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____ 4. MIN. ALT: ____ 5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____ 6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____ 7. GS ANGLE: ____ TCH: ____ 8. MSA FROM: ____				MAG VAR: _____ EPOCH YEAR: _____			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			
CATEGORY ==>							
	DH/MDA	VIS		DH/MDA	VIS		
NOTES:							
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016							
CITY AND STATE RENO, NV		ELEVATION: 4415 TDZE: 4415 AIRPORT NAME: RENO/TAHOE INTL		FACILITY IDENTIFIER: I-RNO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS RWY 16R, AMDT 10F, 02/10/2011	
						SUP: AMDT: 10E DATED 09/24/2009	



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA ILS: DA LOC: WUMKA/I-RNO 2.46 DME						
LIBGE (IAF)		ROARS (FB)		164.08 / 6.55				9200		CLIMB TO 13000 ON THE RNAV MISSED APPROACH ROUTE TO YARKU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000. + MISSED APPROACH REQUIRES MINIMUM CLIMB OF 390 FEET PER NM TO 8000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 346.76 INBOUND. CHART FAS OBST: 5101 BUSH 393449N/1194532W CHART VDP AT 4.70 DME DISTANCE VDP TO THLD 2.83 MILES. CHART MANDATORY 7500 AT ZOMPO. CHART AT/ABOVE 12000 AT LIBGE CHART AT/ABOVE 11000 AT WINRZ CHART CIRCLING ICON * LOC ONLY.						
ROARS		WALAR (FB)		164.12 / 4.00				8000								
WINRZ (IAF)		WALAR (FB)		213.00 / 9.70				8000								
WALAR (IF)		ZOMPO/I-RNO 12.75 DME		164.12 / 4.11				7500								
ZOMPO/I-RNO 12.75 DME		DISCS/I-RNO 10.75 DME		164.12 / 2.00 (I-RNO)				7400								
DISCS/I-RNO 10.75 DME (FAF)		HONEL/I-RNO 8.16 DME		164.12 / 2.59 (I-RNO)												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 16E EPOCH YEAR: 1985						
2. PROFILE STARTS AT WALAR																
3. FAC: 164.12 FAF: DISCS/I-RNO 10.75 DME DIST FAF TO MAP: _____ THLD: 8.89																
4. MIN. ALT: WALAR 8000, ZOMPO 7500, DISCS 7400, HONEL/I-RNO 8.16 DME 6540*																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 7400 GS ALT AT: DISCS 7400 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.10 TCH: 59.0																
8. MSA FROM: KRNO 12000																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 16R +	4615	2400	200	4615	2400	200	4615	2400	200	4615	2400	200				
S-ILS 16R #	5138	1 7/8	723	5138	1 7/8	723	5138	1 7/8	723	5138	1 7/8	723				
S-LOC 16R	5420	4000	1005	5420	5500	1005	5420	2 1/2	1005	5420	2 1/2	1005				
CIRCLING	5420	1 1/4	1005	5420	1 1/2	1005	6480	3	2065	6480	3	2065				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ CAT A, B 1100-2, CAT C, D 2100-3 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIBGE ON V165 NORTHWEST BOUND. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: RNAV 1 - GPS REQUIRED. (CONTINUED ON PAGE 2)																
CITY AND STATE RENO, NV		ELEVATION: 4415 TDZE: 4415 AIRPORT NAME: RENO/TAHOE INTL		FACILITY IDENTIFIER: I-RNO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS X OR LOC X RWY 16R, ORIG 26 MAY 2016				SUP: AMDT: NONE DATED						

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HONEL/I-RNO 8.16 DME	WUMKA/I-RNO 2.46 DME (MAP)	164.12 / 5.70 (I-RNO)	
WUMKA/I-RNO 2.46 DME (MAP)	4615 MSL	164.12	
4615 MSL	ZAKBI (FB)		
ZAKBI	USINE (FB)	179.59 / 6.69	
USINE	YARKU (FO)	124.37 / 9.36	13000

NOTES, (CONT.):

CHART NOTE: DME REQUIRED.

CHART NOTE: CIRCLING TO RWY 25 NA AT NIGHT.

#CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 16R ALL CATS VISIBILITY TO 2 1/2 MILE.

CHART PLANVIEW NOTE AT LIBGE : AT 230 KIAS.

CHART PLANVIEW NOTE AT WINRZ : AT 230 KIAS.

CITY AND STATE

RENO, NV

ELEVATION: 4415

TDZE: 4415

AIRPORT NAME:

RENO/TAHOE INTL

FACILITY
IDENTIFIER:

I-RNO

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

ILS X OR LOC X RWY 16R, ORIG

26 MAY 2016

SUP:

AMDT:

DATED:

QUALITY
4
CHECKED

NONE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
ARINC SUMMARY - KRNO ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
LIBGE	010	LIBGE	IF	FB								AA 12000	AT 230	E A
LIBGE	020	ROARS	TF	FB								AA 09200		E
LIBGE	030	WALAR	TF	FB								AA 08000		E B
LIBGE	040	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
WINRZ	010	WINRZ	IF	FB								AA 11000	AT 230	E A
WINRZ	020	WALAR	TF	FB								AA 08000		E B
WINRZ	030	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
	010	ZOMPO	IF	FB			IRNO					AT 07500	GI 07400	E I
	020	DISCS	CF	FB		164.0	IRNO	3.10		KRNO		GI 07400	GS 07400	E F
	030	RW16R	CF	FO		164.0	IRNO	3.10				AT 04474		GY M
	040		CA	FB		164.1						AA 04615		M
	050	ZAKBI	DF	FB										E
	060	USINE	TF	FB										E
	070	YARKU	TF	FO								AA 13000		EY
	080	YARKU	HM	FO		346.8			R			AA 13000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
IRNO (DME)			N392848.05			W1194605.75								
LIBGE			N395614.09			W1194605.38								
YARKU			N390822.93			W1194049.12								
DISCS			N393933.77			W1194607.77								
ROARS			N394940.90			W1194606.12								
USINE			N391536.11			W1194829.49								
WALAR			N394540.71			W1194606.78								
WINRZ			N395203.36			W1193636.92								
ZAKBI			N392203.17			W1194610.61								
ZOMPO			N394133.88			W1194607.44								
IRNO (LOC)			N392849.52			W1194609.50								
RUNWAYS														
RUNWAY			THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH		
RW16R			N393039.96			W1194609.22			04415			59.0		

QUALITY
15
CHECKED

CITY AND STATE RENO, NV	ELEVATION: 4415	TDZE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: RENO/TAHOE INTL		I-RNO	ILS X OR LOC X RWY 16R, ORIG 26 MAY 2016	AMDT: NONE
				DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KRNO

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
LIBGE	010	LIBGE	IF	FB								AA 12000	AT 230	E A
LIBGE	020	ROARS	TF	FB								AA 09200		E
LIBGE	030	WALAR	TF	FB								AA 08000		E B
LIBGE	040	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
WINRZ	010	WINRZ	IF	FB								AA 11000	AT 230	E A
WINRZ	020	WALAR	TF	FB								AA 08000		E B
WINRZ	030	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
	010	ZOMPO	IF	FB			IRNO					AT 07500		E I
	020	DISCS	CF	FB		164.0	IRNO			KRNO		AA 07400		E F
	021	HONEL	CF	FB		164.0	IRNO	3.11				AA 06540		E S
	030	WUMKA	CF	FO		164.0	IRNO	3.11				AT 04672		EY M
	040	CA	FB			164.1						AA 04615		M
	050	ZAKBI	DF	FB										E
	060	USINE	TF	FB										E
	070	YARKU	TF	FO								AA 13000		EY
	080	YARKU	HM	FO		346.8			R			AA 13000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IRNO (DME)	N392848.05	W1194605.75
LIBGE	N395614.09	W1194605.38
YARKU	N390822.93	W1194049.12
DISCS	N393933.77	W1194607.77
HONEL	N393658.28	W1194608.20
ROARS	N394940.90	W1194606.12
USINE	N391536.11	W1194829.49
WALAR	N394540.71	W1194606.78
WINRZ	N395203.36	W1193636.92
WUMKA	N393115.99	W1194609.12
ZAKBI	N392203.17	W1194610.61
ZOMPO	N394133.88	W1194607.44
IRNO (LOC)	N392849.52	W1194609.50

RUNWAYS

THRESHOLD

THRESHOLD

THRESHOLD

PROCEDURE

QUALITY
15
CHECKED

CITY AND STATE
RENO, NV

ELEVATION: **4415** TDZE: **4415**
AIRPORT NAME:
RENO/TAHOE INTL

FACILITY
IDENTIFIER:
I-RNO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS X OR LOC X RWY 16R, ORIG
26 MAY 2016

SUP:

AMDT: **NONE**

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
LOC STANDARD INSTRUMENT APPROACH PROCEDURE					
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25					
RUNWAY	LATITUDE	LONGITUDE	ELEVATION	TCH	
RW16R	N393039.96	W1194609.22	04415	59.0	
CITY AND STATE RENO, NV		ELEVATION: 4415 TDZE: 4415 AIRPORT NAME: RENO/TAHOE INTL		FACILITY IDENTIFIER: I-RNO	
				PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS X OR LOC X RWY 16R, ORIG 26 MAY 2016	
				SUP:	
				AMDT: NONE	
				DATED:	

QUALITY
15
CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA ILS: DA ILS: DA CLIMB TO 6300 THEN CLIMBING LEFT TURN TO 11000 DIRECT FMG VORTAC AND ON FMG VORTAC R-017 TO NICER INT/FMG 13.52 DME AND HOLD. +MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 350 FEET PER NM TO 8000. ++MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 275 FEET PER NM TO 8000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 196.91 INBOUND.											
LIBGE INT/27.41 DME (IAF)	ROARS/I-RNO 20.86 DME	164.12 / 6.55 (I-RNO)	9200												
ROARS/I-RNO 20.86 DME	WALAR/I-RNO 16.86 DME	164.12 / 4.00 (I-RNO)	8400												
WALAR/I-RNO 16.86 DME (IF)	ZOMPO/I-RNO 12.75 DME	164.12 / 4.11 (I-RNO)	7500												
ZOMPO/I-RNO 12.75 DME	DISCS/I-RNO 10.75 DME	164.12 / 2.00 (I-RNO)	7400												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WALAR 3. FAC: <u>164.12</u> FAF: _____ DIST FAF TO MAP: _____ THLD: <u>8.89</u> 4. MIN. ALT: WALAR 8400, ZOMPO 7500, DISCS 7400 5. DIST TO THLD FROM OM: _____ - MM: _____ - IM: _____ 150 HAT: _____ - 100 HAT: _____ - GS ANT: 1200 6. MIN GS INCPT: <u>7400</u> GS ALT AT: <u>DISCS 7400</u> OM: _____ - MM: _____ - IM: _____ 7. GS ANGLE: <u>3.10</u> TCH: <u>59.0</u> 8. MSA FROM: FMG VORTAC 350-130 9600, 130-250 12000, 250-350 10000				MAG VAR: 16E EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: @									
CATEGORY ==>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 16R + *	4915	6000	500	4915	6000	500	4915	6000	500	4915	6000	500	4915	6000	500
S-ILS 16R ++#	5415	4	1000	5415	4	1000	5415	4	1000	5415	4	1000	5415	4	1000
S-ILS 16R #	5915	6	1500	5915	6	1500	5915	6	1500	5915	6	1500	5915	6	1500
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). @ CAT A, B, C, D, E 1500-6 CHART NOTE: + MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 350 FEET PER NM TO 8000. CHART NOTE: ++MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 275 FEET PER NM TO 8000. CHART PLANVIEW NOTE: DME REQUIRED. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 4415 TDZE: 4415		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: 4					
RENO, NV		AIRPORT NAME:		I-RNO		ILS Y RWY 16R, ORIG 26 MAY 2016				AMDT: NONE					
		RENO/TAHOE INTL								DATED					

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: # INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: * FOR INOPERATIVE MALSR, INCREASE S-ILS R16R ALL CATS VISIBILITY TO 1 5/8 MILE.

CITY AND STATE
RENO, NV

ELEVATION: 4415 TDZE: 4415
AIRPORT NAME:
RENO/TAHOE INTL

FACILITY
IDENTIFIER:
I-RNO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS Y RWY 16R, ORIG
26 MAY 2016

SUP: 4
AMDT: NONE
DATED:

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
ILS STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29														
ARINC SUMMARY - KRNO														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
LIBGE	010	LIBGE	IF	FB										E A
LIBGE	020	ROARS	TF	FB								AA 09200		E
LIBGE	030	WALAR	TF	FB								AA 08400		E B
LIBGE	040	ZOMPO	CF	FB		164.1	IRNO					AA 07500		EE
	010	ZOMPO	IF	FB			IRNO					AA 07500 GI 07400		E I
	020	DISCS	CF	FB		164.0	IRNO	3.10		FMG		GI 07400 GS 07400		E F
	030	RW16R	CF	FO		164.0	IRNO	3.10				AT 04474		GY M
	040		CA	FB		164.1						AA 06300		M
	050	FMG	DF	FB					L					V
	060	NICER	TF	FO								AA 11000		EY
	070	NICER	HM	FO		196.9			R			AA 11000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
FMG			N393152.55			W1193921.86								
IRNO (DME)			N392848.05			W1194605.75								
LIBGE			N395614.09			W1194605.38								
NICER			N394313.88			W1192950.56								
DISCS			N393933.77			W1194607.77								
ROARS			N394940.90			W1194606.12								
WALAR			N394540.71			W1194606.78								
ZOMPO			N394133.88			W1194607.44								
IRNO (LOC)			N392849.52			W1194609.50								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW16R		N393039.96		W1194609.22		04415		59.0						

QUALITY
15
CHECKED

CITY AND STATE RENO, NV	ELEVATION: 4415	TDZE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: RENO/TAHOE INTL		I-RNO	ILS Y RWY 16R, ORIG	AMDT: NONE
				26 MAY 2016	DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA ILS: DA LOC: WUMKA/I-RNO 2.46 DME						
HOBOA (IAF)		JUDPU (FB)		033.81 / 19.78				12200		CLIMB TO 13000 ON THE RNAV MISSED APPROACH ROUTE TO YARKU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000. +MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 390 FEET PER NM TO 8000.						
JUDPU		ZONBI (FB)		356.04 / 9.49				10700								
ZONBI		AMIES (FB)		(4 NM RADIUS CW (CFCDH))/6.93				9400		ADDITIONAL FLIGHT DATA: HOLD S, RT, 346.76 INBOUND. CHART FAS OBST: 5101 BUSH 393449N/1194532W CHART VDP AT 4.70 DME* DISTANCE VDP TO THLD 2.83 MILES. CHART MANDATORY 7500 AT ZOMPO. CHART AT/ABOVE 12000 AT LIBGE CHART MANDATORY 10000 AT KLOCK CHART AT/ABOVE 11000 WINRZ CHART MANDATORY 16000 AT HOBOA CHART CIRCLING ICON *LOC ONLY.						
AMIES		WALAR (FB)		(3.76 NM RADIUS CW (CFBSB))/4.51				8000								
LIBGE (IAF)		ROARS (FB)		164.08 / 6.55				9200								
ROARS		WALAR (FB)		164.12 / 4.00				8000								
WALAR (IF)		ZOMPO/I-RNO 12.75 DME (FB)		164.12 / 4.11				7500								
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT WALAR																
3. FAC: 164.12 FAF: DISCS/I-RNO 10.75 DME DIST FAF TO MAP: _____ THLD: 8.89																
4. MIN. ALT: WALAR 8000, ZOMPO 7500, DISCS 7400, HONEL/I-RNO 8.16 DME 6540*																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 7400 GS ALT AT: DISCS 7400 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.10 TCH: 59.0																
8. MSA FROM: KRNO 12000																
MAG VAR: 16E EPOCH YEAR: 1985																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@				
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 16R +	4615	2400	200	4615	2400	200	4615	2400	200	4615	2400	200				
S-ILS 16R#	5138	1 7/8	723	5138	1 7/8	723	5138	1 7/8	723	5138	1 7/8	723				
S-LOC 16	5420	4000	1005	5420	5500	1005	5420	2 1/2	1005	5420	2 1/2	1005				
CIRCLING	5420	1 1/4	1005	5420	1 1/2	1005	6480	3	2065	6480	3	2065				
NOTES: CHART NOTE: CIRCLING TO RWY 25 NA AT NIGHT. @ CAT A, B 1100-2, CAT C, D 2100-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: +MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 390 FEET PER NM TO 8000. CHART NOTE: DME REQUIRED. (CONTINUED ON PAGE 2)																
CITY AND STATE RENO, NV		ELEVATION: 4415 TDZE: 4415 AIRPORT NAME: RENO/TAHOE INTL				FACILITY IDENTIFIER: I-RNO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Z OR LOC Z RWY 16R, ORIG 26 MAY 2016				SUP: 4 AMDT: NONE DATED				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD					
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
WINRZ (IAF)	WALAR (FB)		213.00 / 9.70	8000	
KLOCK (IAF)	BELBE (FB)		327.75 / 8.90	9000	
BELBE (IF)	SLABS (FB)		327.72 / 4.40	9000	
SLABS	ZOMPO/I-RNO 12.75 DME (FB)		(3.01 NM RADIUS CCW (CFDRJ))/8.58	7500	
ZOMPO/I-RNO 12.75 DME	DISCS/I-RNO 10.75 DME (FB)		164.12 / 2.00 (I-RNO)	7400	
DISCS/I-RNO 10.75 DME (FAF)	HONEL/I-RNO 8.16 DME		164.12 / 2.59 (I-RNO)		
HONEL/I-RNO 8.16 DME	WUMKA/I-RNO 2.46 DME (MAP)		164.12 / 5.70 (I-RNO)		
WUMKA/I-RNO 2.46 DME (MAP)	4615 MSL		164.12		
4615 MSL	ZAKBI (FB)				
ZAKBI	USINE (FB)		179.59 / 6.69		
USINE	YARKU (FO)		124.37 / 9.36	13000	
NOTES, (CONT.):					
CHART PLANVIEW NOTE AT LIBGE : AT 230 KIAS.					
CHART PLANVIEW NOTE AT WINRZ : AT 230 KIAS.					
CHART PLANVIEW NOTE AT KLOCK : AT 210 KIAS.					
CHART PLANVIEW NOTE AT ZONBI : MAX 230 KIAS.					
CHART PLANVIEW NOTE AT BELBE: MAX 210 KIAS.					
CHART PLANVIEW NOTE ADJACENT TO HOB OA IAF: RNP -1 GPS RQUIRED, RF REQUIRED.					
CHART PLANVIEW NOTE ADJACENT TO KLOCK IAF: RNP -1 GPS REQUIRED, RF REQUIRED.					
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.					
CHART NOTE: RNAV 1 - GPS REQUIRED.					
CHART NOTE: PROCEDURE NA FOR ARRIVALS AT LIBGE ON V165 NORTHWEST BOUND.					
#CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 16R ALL CATS VISIBILITY TO 2 1/2 MILE.					
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).					
CITY AND STATE		ELEVATION: 4415	TDZE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RENO, NV		AIRPORT NAME:		I-RNO	ILS Z OR LOC Z RWY 16R, ORIG
		RENO/TAHOE INTL			26 MAY 2016
					SUP: 4
					AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KRNO

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
HOB OA	010	HOB OA	IF	FB								AT 16000		E A
HOB OA	020	JUDPU	TF	FB								AA 12200		E
HOB OA	030	ZONBI	TF	FB								AA 10700	AB 230	E
HOB OA	040	AMIES	RF	FB					R	CFCDH	04.00	AA 09400		E
HOB OA	050	WALAR	RF	FB					R	CFBSB	03.76	AA 08000		E B
HOB OA	060	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
KLOCK	010	KLOCK	IF	FB								AT 10000	AT 210	E A
KLOCK	020	BELBE	TF	FB								AA 09000	AB 210	E B
KLOCK	030	SLABS	TF	FB								AA 09000		E
KLOCK	040	ZOMPO	RF	FB					L	CFDRJ	03.01	AT 07500		EE
LIBGE	010	LIBGE	IF	FB								AA 12000	AT 230	E A
LIBGE	020	ROARS	TF	FB								AA 09200		E
LIBGE	030	WALAR	TF	FB								AA 08000		E B
LIBGE	040	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
WINRZ	010	WINRZ	IF	FB								AA 11000	AT 230	E A
WINRZ	020	WALAR	TF	FB								AA 08000		E B
WINRZ	030	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
	010	ZOMPO	IF	FB			IRNO					AT 07500 GI 07400		E I
	020	DISCS	CF	FB		164.0	IRNO	3.10		KRNO		GI 07400 GS 07400		E F
	030	RW16R	CF	FO		164.0	IRNO	3.10				AT 04474		GY M
	040	CA	FB			164.1						AA 04615		M
	050	ZAKBI	DF	FB										E
	060	USINE	TF	FB										E
	070	YARKU	TF	FO								AA 13000		EY
	080	YARKU	HM	FO		346.8			R			AA 13000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IRNO (DME)	N392848.05	W1194605.75
LIBGE	N395614.09	W1194605.38
YARKU	N390822.93	W1194049.12
AMIES	N394911.25	W1194912.41
BELBE	N393810.56	W1193653.44
CFBSB	N394541.07	W1195059.33
CFCDH	N394527.66	W1195106.15
CFDRJ	N394133.42	W1194213.70

QUALITY
15
CHECKED

CITY AND STATE
RENO, NV

ELEVATION: **4415** TDZE: **4415**
AIRPORT NAME:
RENO/TAHOE INTL

FACILITY
IDENTIFIER:
I-RNO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 16R, ORIG
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SUP:
AMDT: **NONE**
DATED:

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ILS STANDARD INSTRUMENT APPROACH PROCEDURE					
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29					
DISCS	N393933.77	W1194607.77			
HOB OA	N392415.73	W1201817.61			
JUDPU	N393700.49	W1195844.55			
KLOCK	N392937.60	W1193340.04			
ROARS	N394940.90	W1194606.12			
SLABS	N394224.18	W1193829.36			
USINE	N391536.11	W1194829.49			
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WINRZ	N395203.36	W1193636.92			
ZAKBI	N392203.17	W1194610.61			
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ZONBI	N394617.98	W1195610.48			
IRNO (LOC)	N392849.52	W1194609.50			
RUNWAYS					
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	
RW16R	N393039.96	W1194609.22	04415	59	
					
CITY AND STATE RENO, NV	ELEVATION: 4415 TDZE: 4415		FACILITY IDENTIFIER: I-RNO	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
	AIRPORT NAME: RENO/TAHOE INTL			ILS Z OR LOC Z RWY 16R, ORIG	
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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HOB OA	030	ZONBI	TF	FB								AA 10700	AB 230	E
HOB OA	040	AMIES	RF	FB					R	CFCDH	04.00	AA 09400		E
HOB OA	050	WALAR	RF	FB					R	CFBSB	03.76	AA 08000		E B
HOB OA	060	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
KLOCK	010	KLOCK	IF	FB								AT 10000	AT 210	E A
KLOCK	020	BELBE	TF	FB								AA 09000	AB 210	E B
KLOCK	030	SLABS	TF	FB								AA 09000		E
KLOCK	040	ZOMPO	RF	FB					L	CFDRJ	03.01	AT 07500		EE
LIBGE	010	LIBGE	IF	FB								AA 12000	AT 230	E A
LIBGE	020	ROARS	TF	FB								AA 09200		E
LIBGE	030	WALAR	TF	FB								AA 08000		E B
LIBGE	040	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
WINRZ	010	WINRZ	IF	FB								AA 11000	AT 230	E A
WINRZ	020	WALAR	TF	FB								AA 08000		E B
WINRZ	030	ZOMPO	CF	FB		164.1	IRNO					AT 07500		EE
	010	ZOMPO	IF	FB			IRNO					AT 07500		E I
	020	DISCS	CF	FB		164.0	IRNO			KRNO		AA 07400		E F
	021	HONEL	CF	FB		164.0	IRNO	3.11				AA 06540		E S
	030	WUMKA	CF	FO		164.0	IRNO	3.11				AT 04672		EY M
	040		CA	FB		164.1						AA 04615		M
	050	ZAKBI	DF	FB										E
	060	USINE	TF	FB										E
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15
CHECKED

CITY AND STATE
RENO, NV

ELEVATION: **4415** TDZE: **4415**
AIRPORT NAME:
RENO/TAHOE INTL

FACILITY
IDENTIFIER:
I-RNO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 16R, ORIG
26 MAY 2016

SUP:
AMDT: **NONE**
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																											
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: LOC: WUMKA/I-RNO 2.46 DME					
LIBGE INT/I-RNO 27.41 DME (IAF)		ROARS/I-RNO 20.86 DME		164.12 / 6.55 (I-RNO)				9200		CLIMB TO 6300 ON HEADING 164.12 THEN CLIMBING LEFT TURN 11000 DIRECT FMG VORTAC AND ON FMG VORTAC R-017 TO NICER INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11000. + MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 320 FEET PER NM TO 8000. ++MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 260 FEET PER NM TO 8000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 196.91 INBOUND. CHART FAS OBST: 5101 BUSH 393449N/1194532W CHART VDP AT 4.70 DME DISTANCE VDP TO THLD 2.83 MILES. CHART CIRCLING ICON. DISCS TO RWY 16R: 3.10/59					
ROARS/I-RNO 20.86 DME		WALAR/I-RNO 16.86 DME		164.12 / 4.00 (I-RNO)				8400							
WALAR/I-RNO 16.86 DME (IF)		ZOMPO/I-RNO 12.75 DME		164.12 / 4.11 (I-RNO)				7500							
ZOMPO/I-RNO 12.75 DME		DISCS/I-RNO 10.75 DME		164.12 / 2.00 (I-RNO)				7400							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WALAR 3. FAC 164.12 FAF DISCS/I-RNO 10.75 DME DIST FAF TO MAP _____ THLD 8.89 4. MIN. ALT WALAR 8400, ZOMPO 7500, DISCS 7400, HONEL/I-RNO 8.16 DME 6540 8. MSA FROM: FMG VORTAC 350-130 9600, 130-250 12000, 250-350 10000										MAG VAR: 16E		EPOCH YEAR: 1985			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		LOC: @					
CATEGORY =====>		A		B		C		D		E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-LOC 16R +	5420	4000	1005	5420	5500	1005	5420	2 1/2	1005	5420	2 1/2	1005	5420	2 1/2	1005
S-LOC 16R ++#	5720	4000	1305	5720	5500	1305	5720	3	1305	5720	3	1305	5720	3	1305
S-LOC 16R #	5920	4000	1505	5920	5500	1505	5920	3	1505	5920	3	1505	6180	3	1765
SIDESTEP 16L +#	5420	1 1/4	1005	5420	1 1/2	1005	5420	3	1005	5420	3	1005	5420	3	1005
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: DME REQUIRED. CHART NOTE: CIRCLING NA FOR CAT E SW OF RWYS 7 AND 34L. CHART NOTE: CIRCLING TO RWY 25 NA AT NIGHT. CHART NOTE: + MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 320 FEET PER NM TO 8000. (CONTINUED ON PAGE 2)															
CITY AND STATE RENO, NV		ELEVATION: 4415 AIRPORT NAME: RENO/TAHOE INTL		TDZE: 16R 4415 TDZE: 16L 4415		FACILITY IDENTIFIER: I-RNO		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: LOC Y RWY 16R, ORIG 26 MAY 2016				SUP			
												AMDT NONE			
												DATE			

QUALITY
 24
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NOTES, (CONT.):

CHART NOTE: ++ MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 260 FEET PER NM TO 8000.

CHART NOTE: # INOPERATIVE TABLE DOES NOT APPLY TO CATS C,D,E.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 16R+ CAT E VISIBILITY TO 3 MILES.

CITY AND STATE

RENO, NV

ELEVATION: 4415

AIRPORT NAME:

RENO/TAHOE INTL

TDZE: 16R 4415

TDZE: 16L 4415

FACILITY
IDENTIFIER:

I-RNO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC Y RWY 16R, ORIG

26 MAY 2016

SUP:

4

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LIBGE	010	LIBGE	IF	FB										E A
LIBGE	020	ROARS	TF	FB								AA 09200		E
LIBGE	030	WALAR	TF	FB								AA 08400		E B
LIBGE	040	ZOMPO	CF	FB		164.1	IRNO					AA 07500		EE
	010	ZOMPO	IF	FB			IRNO					AA 07500		E I
	020	DISCS	CF	FB		164.0	IRNO			FMG		AA 07400		E F
	021	HONEL	CF	FB		164.0	IRNO	3.10				AA 06540		E S
	030	WUMKA	CF	FO		164.0	IRNO	3.10				AT 04671		EY M
	040		VA	FB		164.1						AA 06300		M
	050	FMG	DF	FB					L					V
	060	NICER	TF	FO								AA 11000		EY
	070	NICER	HM	FO		196.9			R			AA 11000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FMG	N393152.55	W1193921.86
IRNO (DME)	N392848.05	W1194605.75
LIBGE	N395614.09	W1194605.38
NICER	N394313.88	W1192950.56
DISCS	N393933.77	W1194607.77
HONEL	N393658.28	W1194608.20
ROARS	N394940.90	W1194606.12
WALAR	N394540.71	W1194606.78
WUMKA	N393115.99	W1194609.12
ZOMPO	N394133.88	W1194607.44
IRNO (LOC)	N392849.52	W1194609.50

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16R	N393039.96	W1194609.22	04415	59

QUALITY
15
CHECKED

CITY AND STATE
RENO, NV

ELEVATION: **4415** TDZE: **16R 4415**
AIRPORT NAME: **TDZE: 16L 4415**
RENO/TAHOE INTL

FACILITY
IDENTIFIER:
I-RNO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LOC Y RWY 16R, ORIG
26 MAY 2016

SUP:
AMDT: **NONE**
DATED:

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE			ALTITUDE		ILS: DA LOC: 4.67 MILES AFTER CZIMR INT/I-HPN 4.57 DME OR AT I-HPN 0.11 DME FIX CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 150 AND LGA VOR/DME R-044 TO HAARP INT/LGA 23.54 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING LEFT TURN TO (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD NE, LT, 224.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E CMK VOR/DME, RT, 256.76 INBOUND. CHART FAS OBST: 615 TREE 410603N/0734356W OBST: 869 AAO 410834N/0734546W CHART R-5206. CHART VDP AT 1.30 DME* DISTANCE VDP TO THLD 1.40 MILES. *LOC ONLY. CHART IN PLANVIEW: CMK VOR/DME. CHART CIRCLING ICON. CHART IN PROFILE: I-HPN DME ANTENNA.						
IGN VOR/DME (IAF)		FARAN INT/I-HPN 15.15 DME (NOPT)			198.98 / 22.35			3000								
FARAN INT/I-HPN 15.15 DME (IF)		CZIMR INT/I-HPN 4.57 DME			161.92 / 10.58 (I-HPN)			2000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N CZIMR, LT, 161.92 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: 161.92 FAF: CZIMR INT/I-HPN 4.57 DME DIST FAF TO MAP: 4.67 THLD: 4.67 4. MIN. ALT: CZIMR 2000, ZONGA INT/I-HPN 1.90 DME 1100* 5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: 1818 100 HAT: 864 GS ANT: 1368 6. MIN GS INCPT: 2000 GS ALT AT: CZIMR 2000 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 54.9 8. MSA FROM: CMK VOR/DME 090-180 2300, 180-090 2900										MAG VAR: 12W		EPOCH YEAR: 1980				
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #			LOC: STANDARD @				
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 16	639	1800	200	639	1800	200	639	1800	200	639	1800	200				
S-LOC 16	1100	2400	661	1100	2400	661	1100	1 1/2	661	1100	1 1/2	661				
CIRCLING	1100	1	661	1100	1	661	1100	1 7/8	661	1200	2 1/2	761				
ZONGA FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)																
S-LOC 16	940	2400	501	940	2400	501	940	5500	501	940	5500	501				
CIRCLING	980	1	541	980	1	541	1080	1 3/4	641	1200	2 1/2	761				
NOTES: SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 16: CAT A, B, C, D, RA 198, RVR 1400, HAT 150, DA 589 MSL. SA CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 16: CAT A, B, C, D, RA 113, RVR 1200, HAT 100, DA 539 MSL. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 439 TDZE: 439			FACILITY IDENTIFIER: I-HPN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
WHITE PLAINS, NY		AIRPORT NAME:			WESTCHESTER COUNTY		ILS OR LOC RWY 16, AMDT 25A; ILS RWY 16 (SA CAT I), ILS RWY 16 (CAT II), 05/26/2016					AMDT: 4				
											DATED 11/13/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
MISSED APPROACH INSTRUCTIONS, (CONT.): 2300 ON HEADING 090 AND CMK VOR/DME R-200 TO CMK VOR/DME AND HOLD.					
NOTES, (CONT.): CHART NOTE: VDP NA WITH LA GUARDIA ALTIMETER SETTING. *1220 WHEN USING LA GUARDIA ALTIMETER SETTING. CHART NOTE: NIGHT LANDING: RWY 11, 29 NA. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 16 CATS C/D VISIBILITY TO 1 7/8 MILES AND ZONGA FIX MINIMUMS S-LOC 16 CATS C/D VISIBILITY TO 1 3/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LA GUARDIA ALTIMETER SETTING, INCREASE S-ILS 16 ALL CATS VISIBILITY TO RVR 5000 AND S-LOC 16 CATS C/D VISIBILITY TO 2 1/2 MILES. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LA GUARDIA ALTIMETER SETTING: INCREASE S-ILS 16 ALL CATS DA TO 742 FEET; INCREASE ALL MDA 120 FEET; INCREASE S-LOC 16 CATS B/C/D VISIBILITY 1/4 MILE; INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE, CIRCLING CAT C VISIBILITY 5/8 MILE, AND CIRCLING CAT D VISIBILITY 1/2 MILE; INCREASE ZONGA FIX MINIMUMS S-LOC 16 CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CATS C/D VISIBILITY 1/2 MILE. SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH. SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN. SA CAT I AND SA CAT II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.					
CITY AND STATE WHITE PLAINS, NY	ELEVATION: 439 AIRPORT NAME: WESTCHESTER COUNTY	TDZE: 439	FACILITY IDENTIFIER: I-HPN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 16, AMDT 25A; ILS RWY 16 (SA CAT I), ILS RWY 16 (CAT II), 05/26/2016	SUP: QUALITY 4
					AMDT: CHECKED 25
					DATED: 11/13/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KHPN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CZIMR	010	CZIMR	HF	FO		161.9	CMK		L			AA 02100		EE A
IGN	010	IGN	FC	FB		199.0	IGN					AA 03000		V A
IGN	020	FARAN	CF	FB		199.0	IHPN					AA 03000		EE B
	010	FARAN	IF	FB			IHPN					AA 03000 GI 02000		E I
	020	CZIMR	CF	FB		162.0	IHPN	3.00		CMK		GI 02000 GS 02000		E F
	030	RW16	CF	FO		162.0	IHPN	3.00				AT 00494		GY M
	040		CA	FB		161.9						AA 01000		M
	050		VI	FB		150.0								
	060	HAARP	CF	FO		044.0	LGA		L			AA 03000		EY
	070	HAARP	HM	FO		224.0			L			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CMK	N411648.32	W0733452.77
IGN	N413955.62	W0734920.01
LGA	N404701.38	W0735206.96
FARAN	N411743.76	W0735256.32
HAARP	N410658.87	W0733536.54
CZIMR	N410834.54	W0734553.77
IHPN (LOC)	N410327.45	W0734158.50

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16	N410431.99	W0734247.90	00439	54.9

QUALITY
15
CHECKED

CITY AND STATE
WHITE PLAINS, NY

ELEVATION: **439** TDZE: **439**
AIRPORT NAME:
WESTCHESTER COUNTY

FACILITY
IDENTIFIER:

I-HPN

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 16, AMDT 25A;
ILS RWY 16 (SA CAT I), ILS RWY 16 (CAT II), 05/26/2016

SUP:
AMDT: **25**
DATED: **11/13/2014**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KHPN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CZIMR	010	CZIMR	HF	FO		161.9	CMK		L			AA 02100		EE A
IGN	010	IGN	FC	FB		199.0	IGN					AA 03000		V A
IGN	020	FARAN	CF	FB		199.0	IHPN					AA 03000		EE B
	010	FARAN	IF	FB			IHPN					AA 03000		E I
	020	CZIMR	CF	FB		162.0	IHPN			CMK		AA 02000		E F
	021	ZONGA	CF	FB		162.0	IHPN	3.04				AA 01100		E S
	030	RW16	CF	FO		162.0	IHPN	3.04				AT 00494		GY M
	040		CA	FB		161.9						AA 01000		M
	050		VI	FB		150.0								
	060	HAARP	CF	FO		044.0	LGA		L			AA 03000		EY
	070	HAARP	HM	FO		224.0			L			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CMK	N411648.32	W0733452.77
IGN	N413955.62	W0734920.01
LGA	N404701.38	W0735206.96
FARAN	N411743.76	W0735256.32
HAARP	N410658.87	W0733536.54
CZIMR	N410834.54	W0734553.77
ZONGA	N410615.88	W0734407.46
IHPN (LOC)	N410327.45	W0734158.50

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16	N410431.99	W0734247.90	00439	54.9

QUALITY
15
CHECKED

CITY AND STATE WHITE PLAINS, NY	ELEVATION: 439	TDZE: 439	FACILITY IDENTIFIER: I-HPN	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 16, AMDT 25A; ILS RWY 16 (SA CAT I), ILS RWY 16 (CAT II), 05/26/2016	SUP:
	AIRPORT NAME: WESTCHESTER COUNTY				AMDT: 25
					DATED: 11/13/2014

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.01 MILES AFTER BRUNY LOM/INT CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT DQN VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT ROD VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 084.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE ROD VORTAC, RT, 243.00 INBOUND. CHART FAS OBST: 1094 TREE 395311N/0841543W CHART IN PLANVIEW: ROD VORTAC. CHART CIRCLING ICON CHART IN PLANVIEW: (CFBDQ) AT 394719.55N/0842642.00W CHART IN PLANVIEW ONLY: DQN 10.56 DME AT BRUNY.					
DQN VOR/DME		BRUNY LOM/INT			165.23 / 10.56				3000							
1. PT <u>R</u> SIDE OF COURSE <u>241.33</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>BRUNY LOM/INT</u> (IAF) 2. _____ 3. FAC: <u>061.33</u> FAF: <u>BRUNY LOM/INT</u> DIST FAF TO MAP: <u>5.01</u> THLD: <u>5.01</u> 4. MIN. ALT: <u>BRUNY LOM/INT 2700, LEBNE INT 1460*</u> 5. DIST TO THLD FROM OM: <u>5.01</u> MM: <u>-</u> IM: <u>955</u> 150 HAT: <u>-</u> 100 HAT: <u>962</u> GS ANT: <u>967</u> 6. MIN GS INCPT: <u>2700</u> GS ALT AT: <u>-</u> OM: <u>2667</u> MM: <u>-</u> IM: <u>1098</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.9</u> 8. MSA FROM: AT LOM 3100											MAG VAR: 6W		EPOCH YEAR: 2010			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD					
CATEGORY <=====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 06L	1198	1800	200	1198	1800	200	1198	1800	200	1198	1800	200				
S-LOC 06L	1460	2400	462	1460	2400	462	1460	5000	462	1460	5000	462				
CIRCLING	1580	1	571	1580	1	571	1580	1 1/2	571	1640	2	631				
LEBNE FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)																
S-LOC 06L	1380	2400	382	1380	2400	382	1380	3500	382	1380	3500	382				
CIRCLING	1580	1	571	1580	1	571	1580	1 1/2	571	1640	2	631				
NOTES: CATEGORY II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 6L: CAT A, B, C, D, # CAT D 700-2 RA 99, RVR 1200, HAT 100, DA 1098 MSL. CATEGORY III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 6L: CAT III CAT A, B, C, D, RVR 600. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 1009 TDZE: 998			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
DAYTON, OH		AIRPORT NAME:			I-ATD		ILS OR LOC RWY 6L, AMDT 10 ILS RWY 6L (CAT II), ILS RWY 6L (CAT III) 26 MAY 2016					AMDT: 9A				
		JAMES M COX DAYTON INTL										DATED 04/05/2012				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
ILS - STANDARD					
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29					
NOTES, (CONT.): * LOC ONLY CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-LOC 6L CAT C/D VISIBILITY TO 1 3/8 MILE. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.					
CITY AND STATE DAYTON, OH	ELEVATION: 1009 AIRPORT NAME: JAMES M COX DAYTON INTL	TDZE: 998	FACILITY IDENTIFIER: I-ATD	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6L, AMDT 10 ILS RWY 6L (CAT II) , ILS RWY 6L (CAT III) 26 MAY 2016	SUP: QUALITY 22 CHECKED
					AMDT: 9A
					DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KDAY

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DQN	010	DQN	IF	FB										V
DQN	020	BRUNY	TF	FB								AA 03000		E
DQN	030	BRUNY	PI	FB		286.3	IATD		L			AA 03000		EE A
	010	CFBDQ	IF	FB			IATD					AA 03000 GI 02700		E I
	020	BRUNY	CF	FB		061.0	IATD	3.00		AT		GI 02700 GS 02667		E F
	030	RW06L	CF	FO		061.0	IATD	3.00				AT 01048		GY M
	040		CA	FB		061.3						AA 02000		M
	050	DQN	DF	FO					L			AA 03000		VY
	060	DQN	HM	FO		084.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DQN	N400059.20	W0842348.83
BRUNY	N395050.99	W0842006.93
CFBDQ	N394719.55	W0842642.00
IATD (LOC)	N395453.08	W0841232.87
AT	N395048.97	W0842005.72

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW06L	N395342.39	W0841445.66	00998	49.9

QUALITY
15
CHECKED

CITY AND STATE
DAYTON, OH

ELEVATION: **1009** TDZE: **998**
AIRPORT NAME:
JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:
I-ATD

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 6L, AMDT 10
ILS RWY 6L (CAT II), ILS RWY 6L (CAT III)
26 MAY 2016

SUP:
AMDT: **9A**
DATED: **04/05/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KDAY

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DQN	010	DQN	IF	FB										V
DQN	020	BRUNY	TF	FB								AA 03000		E
DQN	030	BRUNY	PI	FB		286.3	IATD		L			AA 03000		EE A
	010	CFBDQ	IF	FB			IATD					AA 03000		E I
	020	BRUNY	CF	FB		061.0	IATD			AT		AA 02700		E F
	021	LEBNE	CF	FB		061.0	IATD	3.11				AA 01460		E S
	030	RW06L	CF	FO		061.0	IATD	3.11				AT 01048		GY M
	040		CA	FB		061.3						AA 02000		M
	050	DQN	DF	FO					L			AA 03000		VY
	060	DQN	HM	FO		084.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DQN	N400059.20	W0842348.83
BRUNY	N395050.99	W0842006.93
CFBDQ	N394719.55	W0842642.00
LEBNE	N395257.98	W0841608.99
IATD (LOC)	N395453.08	W0841232.87
AT	N395048.97	W0842005.72

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW06L	N395342.39	W0841445.66	00998	49.9

QUALITY
15
CHECKED

CITY AND STATE
DAYTON, OH

ELEVATION: **1009** TDZE: **998**
AIRPORT NAME:
JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:
I-ATD

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 6L, AMDT 10
ILS RWY 6L (CAT II), ILS RWY 6L (CAT III)
26 MAY 2016

SUP:
AMDT: **9A**
DATED: **04/05/2012**

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE			ALTITUDE		ILS: DA LOC: 4.69 MILES AFTER ZAMBO OM/INT CLIMB TO 3000 ON HEADING 239 AND DQN VOR/DME R-180 TO MIMMS INT AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 045 AND ON ROD VORTAC R-195 TO ZAMBO OM/INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 092.99 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE ZAMBO OM/INT, RT, 239.37 INBOUND. FAS OBST: 1179 AAO 395554N/0840736W CHART CIRCLING ICON. CHART IN PLANVIEW: ROD VORTAC R-195 AND DQN VOR/DME R-109 MAY BE USED TO LOCATE ZAMBO INTERSECTION.						
DQN VOR/DME		ZAMBO OM/INT			109.09 / 13.54			2800								
ROD VORTAC (IAF)		TARRY INT			162.01 / 15.20			2800								
TARRY INT (IF/IAF)		ZAMBO OM/INT (NOPT)			239.37 / 11.42 (I-EGK)			2600								
1. PT <u> L </u> SIDE OF COURSE <u>059.37</u> OUTBOUND <u>2800</u> FT WITHIN <u>10</u> MILES OF <u>ZAMBO OM/INT</u> (IAF) 2. _____ 3. FAC: <u>239.37</u> FAF: <u>ZAMBO OM/INT</u> DIST FAF TO MAP: <u>4.69</u> THLD: <u>4.69</u> 4. MIN. ALT: <u>ZAMBO OM/INT 2600</u> 5. DIST TO THLD FROM OM: <u>4.69</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>-</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>-</u> OM: <u>2564</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 8. MSA FROM: <u>DQN VOR/DME 3100</u>										MAG VAR: 4W EPOCH YEAR: 1990						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #			LOC: STANDARD				
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 24L*	1207	2400	200	1207	2400	200	1207	2400	200	1207	2400	200				
S-LOC 24L	1500	2400	493	1500	2400	493	1500	5000	493	1500	5000	493				
CIRCLING	1580	1	571	1580	1	571	1580	1 1/2	571	1640	2	631				
NOTES: CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. # CAT D 700-2 CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROD VORTAC ON V47 NORTHEAST BOUND AND AT TARRY ON V12 EASTBOUND. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 1009 TDZE: 1007			FACILITY IDENTIFIER: I-EGK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
DAYTON, OH		AIRPORT NAME:					ILS OR LOC RWY 24L, AMDT 10					AMDT: 9A				
		JAMES M COX DAYTON INTL					26 MAY 2016					DATED 04/05/2012				

 QUALITY
22
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 24L CAT C/D VISIBILITY TO 1 3/8 MILE.

QUALITY
22
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KDAY

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DQN	010	DQN	IF	FB										V
DQN	020	ZAMBO	TF	FB								AA 02800		E
DQN	030	ZAMBO	PI	FB		014.4	FFO		R			AA 02800		EE A
ROD	010	ROD	FC	FB		162.0	ROD					AA 02800		V A
ROD	020	TARRY	CF	FB		162.0	IEGK					AA 02800		EE B
	010	TARRY	IF	FB			IEGK					AA 02800 GI 02600		E D
	020	ZAMBO	CF	FB		239.0	IEGK	3.00		DQN		GI 02600 GS 02564		E F
	030	RW24L	CF	FO		239.0	IEGK	3.00				AT 01051		GY M
	040		VI	FB		239.0								M
	050	MIMMS	CF	FO		180.0	DQN					AA 03000		EY
	060	MIMMS	HM	FO		093.0			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DQN	N400059.20	W0842348.83
FFO (DME)	N394908.32	W0840319.73
ROD	N401716.08	W0840235.15
TARRY	N400315.80	W0835451.26
MIMMS	N394515.09	W0842327.36
ZAMBO	N395646.79	W0840705.79
IEGK (LOC)	N395320.85	W0841333.31

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24L	N395406.91	W0841206.76	01001	50.0

QUALITY
12
CHECKED

CITY AND STATE
DAYTON, OH

ELEVATION: **1009** TDZE: **1007**
AIRPORT NAME:
JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:
I-EGK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24L, AMDT 10
26 MAY 2016

SUP:
AMDT: **9A**
DATED: **04/05/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KDAY

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DQN	010	DQN	IF	FB										V
DQN	020	ZAMBO	TF	FB								AA 02800		E
DQN	030	ZAMBO	PI	FB		014.4	FFO		R			AA 02800		EE A
ROD	010	ROD	FC	FB		162.0	ROD					AA 02800		V A
ROD	020	TARRY	CF	FB		162.0	IEGK					AA 02800		EE B
	010	TARRY	IF	FB			IEGK					AA 02800		E D
	020	ZAMBO	CF	FB		239.0	IEGK			DQN		AA 02600		E F
	030	RW24L	CF	FO		239.0	IEGK	3.12				AT 01051		GY M
	040		VI	FB		239.0								M
	050	MIMMS	CF	FO		180.0	DQN					AA 03000		EY
	060	MIMMS	HM	FO		093.0			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DQN	N400059.20	W0842348.83
FFO (DME)	N394908.32	W0840319.73
ROD	N401716.08	W0840235.15
TARRY	N400315.80	W0835451.26
MIMMS	N394515.09	W0842327.36
ZAMBO	N395646.79	W0840705.79
IEGK (LOC)	N395320.85	W0841333.31

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24L	N395406.91	W0841206.76	01001	50.0

QUALITY
12
CHECKED

CITY AND STATE
DAYTON, OH

ELEVATION: **1009** TDZE: **1007**
AIRPORT NAME:
JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:
I-EGK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24L, AMDT 10
26 MAY 2016

SUP:
AMDT: **9A**
DATED: **04/05/2012**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES										MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		ILS: DA LOC: 4.87 MILES AFTER HABNU INT/I-VUQ 6.82 DME OR AT I-VUQ 1.95 DME FIX CLIMB TO 3000 THEN RIGHT TURN DIRECT DQN VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2700 DIRECT BRUNY LOM AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD W, RT, 084.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW BRUNY LOM, RT, 061.33 INBOUND. FAS OBST: 1149 AAO 395648N/0840739W CHART 1261 ATCT 395400N/0841332W. CHART VDP AT 3.04 DME* DISTANCE VDP TO THLD 1.09 MILES. *LOC ONLY. CHART IN PLANVIEW: BRUNY LOM. CHART IN PLANVIEW: ROD VORTAC R-196 AND DQN VOR/DME R-107 MAY BE USED TO LOCATE HABNU INTERSECTION. CHART CIRCLING ICON. MAG VAR: 4W EPOCH YEAR: 1990									
DQN VOR/DME			HABNU INT/I-VUQ 6.82 DME			106.59 / 12.91			2800											
ROD VORTAC			BONEE INT/I-VUQ 16.79 DME			167.91 / 14.76			2800											
BONEE INT/I-VUQ 16.79 DME (IAF)			UYOGO INT/I-VUQ 12.83 DME (NOPT)			239.35 / 3.96 (I-VUQ)			2700											
UYOGO INT/I-VUQ 12.83 DME (IF)			HABNU INT/I-VUQ 6.82 DME			239.35 / 6.02 (I-VUQ)			2600											
1. PT <u>L</u> SIDE OF COURSE <u>059.35</u> OUTBOUND <u>2800</u> FT WITHIN <u>10</u> MILES OF <u>HABNU</u> (IAF)																				
2. _____																				
3. FAC: <u>239.35</u> FAF: <u>HABNU INT/I-VUQ 6.82 DME</u> DIST FAF TO MAP: <u>4.87</u> THLD: <u>4.87</u>																				
4. MIN. ALT: <u>HABNU INT/I-VUQ 6.82 DME 2600</u>																				
5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1050</u>																				
6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>HABNU 2600</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u>																				
7. GS ANGLE: <u>3.00</u> TCH: <u>54.9</u>																				
8. MSA FROM: <u>DQN VOR/DME 3100</u>																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: STANDARD #			LOC: STANDARD							
CATEGORY =====>		A			B			C			D			E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA					
S-ILS 24R	1203	2400	206	1203	2400	206	1203	2400	206	1203	2400	206								
S-LOC 24R	1400	2400	403	1400	2400	403	1400	4000	403	1400	4000	403								
CIRCLING	1580	1	571	1580	1	571	1580	1 1/2	571	1640	2	631								
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 24R CAT C/D VISIBILITY TO RVR 6000. # CAT D 700-2 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.																				
CITY AND STATE DAYTON, OH		ELEVATION: 1009 TDZE: 997 AIRPORT NAME: JAMES M COX DAYTON INTL			FACILITY IDENTIFIER: I-VUQ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24R, AMDT 10 26 MAY 2016					SUP: AMDT: 9B DATED 04/03/2014								

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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QUALITY
22
CHECKED

CITY AND STATE DAYTON, OH	ELEVATION: 1009 TDZE: 997 AIRPORT NAME: JAMES M COX DAYTON INTL	FACILITY IDENTIFIER: I-VUQ	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24R, AMDT 10 26 MAY 2016	SUP:
				AMDT: 9B
				DATED: 04/03/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KDAY

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DQN	010	DQN	IF	FB										V
DQN	020	HABNU	TF	FB								AA 02800		E
DQN	030	HABNU	PI	FB		014.4	FFO		R			AA 02800		EE A
ROD	010	ROD	IF	FB										V
ROD	020	BONEE	TF	FB								AA 02800		E A
ROD	030	UYOGO	CF	FB		239.4	IVUQ					AA 02700		EE B
	010	UYOGO	IF	FB			IVUQ					AA 02700 GI 02600		E I
	020	HABNU	CF	FB		239.0	IVUQ	3.00		DQN		GI 02600 GS 02600		E F
	030	RW24R	CF	FO		239.0	IVUQ	3.00				AT 01051		GY M
	040		CA	FB		239.4						AA 03000		M
	050	DQN	DF	FO					R			AA 03000		VY
	060	DQN	HM	FO		084.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DQN	N400059.20	W0842348.83
FFO (DME)	N394908.32	W0840319.73
ROD	N401716.08	W0840235.15
IVUQ (DME)	N395335.02	W0841453.82
BONEE	N400308.85	W0835656.15
HABNU	N395729.64	W0840738.30
UYOGO	N400054.33	W0840111.01
IVUQ (LOC)	N395336.55	W0841456.63

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24R	N395443.65	W0841250.61	00996	55

QUALITY
15
CHECKED

CITY AND STATE
DAYTON, OH

ELEVATION: **1009** TDZE: **997**
AIRPORT NAME:
JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:
I-VUQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24R, AMDT 10
26 MAY 2016

SUP:
AMDT: **9B**
DATED: **04/03/2014**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KDAY

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DQN	010	DQN	IF	FB										V
DQN	020	HABNU	TF	FB								AA 02800		E
DQN	030	HABNU	PI	FB		014.4	FFO		R			AA 02800		EE A
ROD	010	ROD	IF	FB										V
ROD	020	BONEE	TF	FB								AA 02800		E A
ROD	030	UYOGO	CF	FB		239.4	IVUQ					AA 02700		EE B
	010	UYOGO	IF	FB			IVUQ					AA 02700		E I
	020	HABNU	CF	FB		239.0	IVUQ			DQN		AA 02600		E F
	030	RW24R	CF	FO		239.0	IVUQ	3.01				AT 01051		GY M
	040		CA	FB		239.4						AA 03000		M
	050	DQN	DF	FO					R			AA 03000		VY
	060	DQN	HM	FO		084.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DQN	N400059.20	W0842348.83
FFO (DME)	N394908.32	W0840319.73
ROD	N401716.08	W0840235.15
IVUQ (DME)	N395335.02	W0841453.82
BONEE	N400308.85	W0835656.15
HABNU	N395729.64	W0840738.30
UYOGO	N400054.33	W0840111.01
IVUQ (LOC)	N395336.55	W0841456.63

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24R	N395443.65	W0841250.61	00996	55

QUALITY
15
CHECKED

CITY AND STATE
DAYTON, OH

ELEVATION: **1009** TDZE: **997**
AIRPORT NAME:
JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:
I-VUQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24R, AMDT 10
26 MAY 2016

SUP:
AMDT: **9B**
DATED: **04/03/2014**

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES												MISSED APPROACH							
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW24R CLIMB TO 3000 DIRECT ZUXOT AND ON TRACK 235.62 TO ALIAS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 055.63 INBOUND. FAS OBST: 1149 AAO 395648N/0840739W CHART CIRCLING ICON DISTANCE TO THLD FROM 206 HAT: 0.48 NM. CHART VDP AT 1.22 MILES TO RW24R* *LNAV ONLY. WAAS CHANNEL # 66013 REFERENCE PATH ID: W24B LTP HAE: 270.3 M							
ROD VORTAC			BONEE (FB)			166.91 / 14.76			3000										
BONEE (IAF)			DEDVE (FB)			239.61 / 4.64			3000										
DEDVE (IF)			HABNU (FB)			239.49 / 5.33			2600										
HABNU (FAF)			RW24R (MAP) (FO)			239.41 / 4.87													
RW24R (MAP)			1203 MSL			239.41						ADDITIONAL FLIGHT DATA: HOLD SW, RT, 055.63 INBOUND. FAS OBST: 1149 AAO 395648N/0840739W CHART CIRCLING ICON DISTANCE TO THLD FROM 206 HAT: 0.48 NM. CHART VDP AT 1.22 MILES TO RW24R* *LNAV ONLY. WAAS CHANNEL # 66013 REFERENCE PATH ID: W24B LTP HAE: 270.3 M							
1203 MSL			ZUXOT (FB)																
ZUXOT			ALIAS (FO)			235.62 / 12.77			3000										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT BONEE 3. FAC: 239.41 FAF: HABNU DIST FAF TO MAP: 4.87 THLD: 4.87 4. MIN. ALT: BONEE 3000, DEDVE 3000, HABNU 2600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: HABNU 2600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.9 34:1 IS CLEAR 8. MSA FROM: RW24R 3100												MAG VAR: 4W				EPOCH YEAR: 1990			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD							
CATEGORY >>>>>		A			B			C			D			E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	1203	2400	206	1203	2400	206	1203	2400	206	1203	2400	206							
LNAV/VNAV DA	1294	2400	297	1294	2400	297	1294	2400	297	1294	2400	297							
LNAV MDA	1440	2400	443	1440	2400	443	1440	4500	443	1440	4500	443							
CIRCLING																			
	1580	1	571	1580	1	571	1580	1 1/2	571	1640	2	631							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. (SEE FORM 8260-10)																			
CITY AND STATE				ELEVATION: 1009 TDZE: 997				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
DAYTON, OH				AIRPORT NAME:								RNAV (GPS) Z RWY 24R, AMDT 2				AMDT: 1B			
				JAMES M COX DAYTON INTL								26 MAY 2016				DATED 05/29/2014			

QUALITY
 22
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: RNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ROD VORTAC AIRWAY RADIALS 088 CW 207 AND ARRIVALS AT BONEE ON V12 EASTBOUND.

CITY AND STATE
DAYTON, OH

ELEVATION: 1009 **TDZE: 997**
AIRPORT NAME:
JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 24R, AMDT 2
26 MAY 2016

SUP:
AMDT: **1B**
DATED: **05/29/2014**

QUALITY
22
CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDAY
RUNWAY	RW24R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24B
LTP/FTP LATITUDE	395443.6505N
LTP/FTP LONGITUDE	0841250.6145W
LTP/FTP ELLIPSOIDAL HEIGHT	+02703
FPAP LATITUDE	395342.3885N
FPAP LONGITUDE	0841445.6640W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

DD81DBCC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03035
FPAP ORTHOMETRIC HEIGHT	+03035

CITY AND STATE

DAYTON, OH

ELEVATION: 1009

TDZE: 997

AIRPORT NAME:

JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 24R, AMDT 2

26 MAY 2016

SUP:

AMDT:

DATED:

 QUALITY
22
CHECKED

1B

05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KDAY

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BONEE	010	BONEE	IF	FB										E A
BONEE	020	DEDVE	TF	FB	1.0	239.6						AA 03000		EE B
ROD	010	ROD	IF	FB										V
ROD	020	BONEE	TF	FB	2.0	166.9						AA 03000		E A
ROD	030	DEDVE	TF	FB	1.0	239.6						AA 03000		EE B
	010	DEDVE	IF	FB								AA 03000		E I
	020	HABNU	TF	FB	0.5	239.5				RW24R		AA 02600		E F
	030	RW24R	TF	FO	0.3	239.4		3.00				AT 01051		GY M
	040	CA	FB			239.4						AA 01203		M
	050	ZUXOT	DF	FB										E
	060	ALIAS	TF	FO	1.0	235.6						AA 03000		EY
	070	ALIAS	HM	FO		055.6			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ROD	N401716.08	W0840235.15
ALIAS	N394437.36	W0842952.61
BONEE	N400308.85	W0835656.15
DEDVE	N400031.28	W0840155.32
HABNU	N395729.64	W0840738.30
ZUXOT	N395234.12	W0841653.91

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24R	N395443.65	W0841250.61	00996	54.9

CITY AND STATE DAYTON, OH	ELEVATION: 1009 TDZE: 997	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 24R, AMDT 2 26 MAY 2016	SUP:
	AIRPORT NAME: JAMES M COX DAYTON INTL			AMDT: 1B
				DATED: 05/29/2014

QUALITY
22
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																			
2. _____																			
3. FAC ____ FAF _____ DIST FAF TO MAP ____ THLD ____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																			
CITY AND STATE FOSTORIA, OH				ELEVATION: 752 TDZE: 752 AIRPORT NAME: FOSTORIA METROPOLITAN				FACILITY IDENTIFIER: FZI		PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: NDB RWY 27, AMDT 5A, 11/18/2010						SUP AMDT 5 DATE 03/12/2009			

ILS - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.55 MILES AFTER RIBPO INT/I-BWM 6.87 DME OR AT I-BWM 1.32 DME FIX CLIMBING RIGHT TURN TO 3100 ON HEADING 185 AND IRW VORTAC R-155 TO WETIX/IRW VORTAC 22.35 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2600 THEN CLIMBING LEFT TURN TO 3000 DIRECT OUN NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 155.28 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S OUN NDB, RT, 006.78 INBOUND. CHART FAS OBST: 1279 TWR 351610N/0972826W CHART IN PLANVIEW: OUN NDB. CHART CIRCLING ICON. CHART VDP AT 2.27 DME. CHART IRW R-023 AT OVAYE, R-041 AT PEDIY, R-088 AT RIBPO, R-115 AT JIXPU. CHART DISTANCE VDP TO THLD 0.95 MILES. CHART IRW 13.11 DME AT OVAYE.					
OVAYE INT/I-BWM 18.79 DME (IAF)		PEDIY INT/I-BWM 13.30 DME		176.66 / 5.49 (I-BWM)				4000							
PEDIY INT/I-PHY 13.30 DME (IF)		RIBPO INT/I-BWM 6.87 DME		176.66 / 6.43 (I-BWM)				3000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT PEDIY INT/I-PHY 13.30 DME 3. FAC: 176.66 FAF: RIBPO INT/I-BWM 6.87 DME DIST FAF TO MAP: 5.55 THLD: 5.55 4. MIN. ALT: PEDIY 4000, RIBPO 3000, JIXPU INT/I-BWM 3.32 DME 1800* 5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1050 6. MIN GS INCPT: 3000 GS ALT AT: RIBPO 3000 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 50.9 8. MSA FROM: IRW VORTAC 060-240 3100, 240-060 3800										MAG VAR: 3E		EPOCH YEAR: 2020			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		ILS: #		LOC: STANDARD @			
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 18	1382	1/2	200	1382	1/2	200	1382	1/2	200	1382	1/2	200			
S-LOC 18	1800	1/2	618	1800	1/2	618	1800	1 3/8	618	1800	1 3/8	618			
CIRCLING	1800	1	618	1800	1	618	1940	2 1/4	758	1940	2 1/2	758			
JIXPU FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
S-LOC 18	1540	1/2	358	1540	1/2	358	1540	5/8	358	1540	5/8	358			
CIRCLING	1660	1	478	1660	1	478	1940	2 1/4	758	1940	2 1/2	758			
NOTES: CHART NOTE: CIRCLING NA SOUTHEAST OF RWY 3-21. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OVAYE ON V354 NORTHEAST BOUND. CHART PLANVIEW NOTE: DME REQUIRED. (CONTINUED ON PAGE 2)															
CITY AND STATE NORMAN, OK		ELEVATION: 1182 TDZE: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER		FACILITY IDENTIFIER: I-BWM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18, AMDT 2, 5/26/2016				SUP: ILS OR LOC RWY 17					
										AMDT: 1B					
										DATED 08/21/2014					



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
*LOC ONLY
CHART NOTE: VDP NA WITH WILL ROGERS ALTIMETER SETTING.
*1860 WHEN USING WILL ROGERS ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE ALL DA 41 FEET; INCREASE ALL MDA 60 FEET. INCREASE VISIBILITY S-LOC 18 AND JIXPU FIX MINIMUMS CATS C/D 1/8 MILE, INCREASE CIRCLING CATS C/D 1/4 MILE.



CITY AND STATE NORMAN, OK	ELEVATION: 1182 TDZE: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER	FACILITY IDENTIFIER: I-BWM	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18, AMDT 2, 5/26/2016	SUP: ILS OR LOC RWY 17
				AMDT: 1B
				DATED: 08/21/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
ILS STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29														
ARINC SUMMARY - KOUN														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
OVAYE	010	OVAYE	IF	FB										E A
OVAYE	020	PEDIY	CF	FB		176.7	IBWM					AA 04000		EE B
	010	PEDIY	IF	FB			IBWM					AA 04000 GI 03000		E I
	020	RIBPO	CF	FB		177.0	IBWM	3.00		IRW		GI 03000 GS 03000		E F
	030	RW18	CF	FO		177.0	IBWM	3.00				AT 01233		GY M
	040		VI	FB		185.0								M
	050	WETIX	CF	FO		155.3	IRW					AA 03100		EY
	060	WETIX	HM	FO		155.3			R			AA 03100		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
IRW			N352130.95			W0973633.22								
IBWM (DME)			N351404.04			W0972827.45								
OVAYE			N353253.21			W0972831.06								
WETIX			N350011.43			W0972816.45								
PEDIY			N352723.30			W0972828.60								
RIBPO			N352056.69			W0972825.63								
IBWM (LOC)			N351404.07			W0972822.63								
RUNWAYS														
RUNWAY			THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH		
RW18			N351523.18			W0972823.21			01182			50.9		



CITY AND STATE NORMAN, OK	ELEVATION: 1182	TDZE: 1182	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 17
	AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER		I-BWM	ILS OR LOC RWY 18, AMDT 2, 5/26/2016	AMDT: 1B
					DATED: 08/21/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KOUN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
OVAYE	010	OVAYE	IF	FB										E A
OVAYE	020	PEDIY	CF	FB		176.7	IBWM					AA 04000		EE B
	010	PEDIY	IF	FB			IBWM					AA 04000		E I
	020	RIBPO	CF	FB		177.0	IBWM			IRW		AA 03000		E F
	021	JIXPU	CF	FB		177.0	IBWM	3.01				AA 01800		E S
	030	RW18	CF	FO		177.0	IBWM	3.01				AT 01233		GY M
	040		VI	FB		185.0								M
	050	WETIX	CF	FO		155.3	IRW					AA 03100		EY
	060	WETIX	HM	FO		155.3			R			AA 03100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IRW	N352130.95	W0973633.22
IBWM (DME)	N351404.04	W0972827.45
OVAYE	N353253.21	W0972831.06
WETIX	N350011.43	W0972816.45
JIXPU	N351723.37	W0972824.08
PEDIY	N352723.30	W0972828.60
RIBPO	N352056.69	W0972825.63
IBWM (LOC)	N351404.07	W0972822.63

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N351523.18	W0972823.21	01182	50.9

QUALITY
28
CHECKED

CITY AND STATE
NORMAN, OK

ELEVATION: **1182** TDZE: **1182**
AIRPORT NAME:
UNIVERSITY OF OKLAHOMA WESTHEIMER

FACILITY
IDENTIFIER:
I-BWM

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 18, AMDT 2, 5/26/2016

SUP: **ILS OR LOC RWY 17**

AMDT: **1B**

DATED: **08/21/2014**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: 4.53 MILES AFTER SOONR OM/INT/I-PHY 5.50 DME/RADAR OR AT 0.98 DME FIX								
IRW VORTAC			SOONR OM/INT/I-PHY 5.50 DME/RADAR			153.50 / 11.65			3100		CLIMBING LEFT TURN TO 3100 ON I-PHY SW COURSE (213) TO SOONR OM/INT/I-PHY 5.50 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100.								
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 033.21 INBOUND. CHART FAS OBST: 1313 TWR 351312N/0972944W CHART VDP AT 2.12 DME DISTANCE VDP TO THLD 1.14 MILES. CHART CIRCLING ICON. SOONR OM TO RW3: 3.09/40. CHART IN PLANVIEW ONLY IRW VORTAC 11.65 DME AT SOONR OM. CHART IN PLANVIEW: (CFRKJ) AT 350538.32N/0973605.05W.									
1. PT <u>L</u> SIDE OF COURSE <u>213.21</u> OUTBOUND <u>3100</u> FT WITHIN <u>10</u> MILES OF <u>SOONR OM</u> (IAF)										MAG VAR: 3E EPOCH YEAR: 2020									
2.																			
3. FAC <u>033.21</u> FAF <u>SOONR OM/INT/I-PHY 5.50 DME/RADAR</u> DIST FAF TO MAP <u>4.53</u> THLD <u>4.53</u>																			
4. MIN. ALT <u>SOONR OM/INT/I-PHY 5.50 DME/RADAR 2700, YUGSU INT/I-PHY 2.88 DME/RADAR 1820*</u>																			
8. MSA FROM: <u>IRW VORTAC 320-050 3800, 050-320 3300</u>																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-03	1580	3/4	403	1580	3/4	403	1580	1	403	1580	1	403							
CIRCLING	1660	1	478	1660	1	478	1940	2 1/4	758	1940	2 1/2	758							
NOTES:																			
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE S-3 CAT C/D VISIBILITY 1/4 MILE, CIRCLING CAT C/D 1/4 MILE.										@ NA WHEN TOWER CLOSED. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT C 800-2 1/4, CAT D 800-2 1/2									
CHART NOTE: FOR INOPERATIVE MALS INCREASE S-3 CAT C/D VISIBILITY TO 1 3/8 MILE. (CONTINUED ON PAGE 2)																			
CITY AND STATE NORMAN, OK		ELEVATION: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER		TDZE: 1177		FACILITY IDENTIFIER: I-PHY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 3, AMDT 4, 5/26/2016				SUP AMDT 3F DATE 12/22/2005							



**LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25**

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NOTES, (CONT.):**CHART NOTE: FOR INOPERATIVE MALS WHEN USING WILL ROGERS WORLD ALTIMETER SETTING, INCREASE S-3 CAT****C/D VISIBILITY TO 1 3/8 MILE.****CHART NOTE: CIRCLING NA SE OF RWY 3 AND 21.**

CITY AND STATE

NORMAN, OK

ELEVATION: 1182**TDZE: 1177**

AIRPORT NAME:

UNIVERSITY OF OKLAHOMA WESTHEIMER

FACILITY
IDENTIFIER:

I-PHY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 3, AMDT 4, 5/26/2016

SUP:

AMDT: 3F

DATED: 12/22/2005

LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
16
CHECKED

CITY AND STATE

NORMAN, OK

ELEVATION: 1182

TDZE: 1177

AIRPORT NAME:

UNIVERSITY OF OKLAHOMA WESTHEIMER

FACILITY
IDENTIFIER:

I-PHY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 3, AMDT 4, 5/26/2016

SUP:

AMDT: 3F

DATED: 12/22/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KOUN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
IRW	010	IRW	IF	FB										V
IRW	020	SOONR	TF	FB								AA 03100		E
IRW	030	SOONR	PI	FB		168.2	TIK		R			AA 03100		EE A
	010	CFRKJ	IF	FB			IPHY					AA 03100		E I
	020	SOONR	CF	FB		033.0	IPHY			IRW		AA 02700		E F
	021	YUGSU	CF	FB		033.0	IPHY	3.09				AA 01820		E S
	030	RW03	CF	FO		033.0	IPHY	3.09				AT 01215		GY M
	040		CA	FB		033.2						AA 01582		M
	050	SOONR	CF	FO		213.0	TIK		L			AA 03100		EY
	060	SOONR	HM	FO		033.2			R			AA 03100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IRW	N352130.95	W0973633.22
TIK (DME)	N352611.43	W0972246.89
IPHY (DME)	N351456.15	W0972748.20
CFRKJ	N350538.32	W0973605.05
SOONR	N351030.87	W0973148.53
YUGSU	N351238.24	W0972955.07
IPHY (LOC)	N351457.65	W0972750.68

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW03	N351410.37	W0972832.88	01175	40

QUALITY
28
CHECKED

CITY AND STATE
NORMAN, OK

ELEVATION: **1182** TDZE: **1177**
AIRPORT NAME:
UNIVERSITY OF OKLAHOMA WESTHEIMER

FACILITY
IDENTIFIER:
I-PHY

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LOC RWY 3, AMDT 4, 5/26/2016

SUP:
AMDT: **3F**
DATED: **12/22/2005**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW03 CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3100 DIRECT WETIX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 291.99 INBOUND. CHART FAS OBST: 1330 TWR 351403N/0972918W DISTANCE TO THLD FROM 283 HAT: 0.77 NM. WAAS CHANNEL # 77531 REFERENCE PATH ID: W03A CHART CIRCLING ICON. LTP HAE: 331.7 M					
HAVAK		AXETE (FO)		207.96 / 4.88				3000							
WETIX		WUVUV (FB)		291.99 / 4.14				3000							
WUVUV (IAF)		AXETE (NOPT) (FB)		332.24 / 5.00				3000							
CESTA (IAF)		AXETE (NOPT) (FB)		071.61 / 5.45				3000							
AXETE (IF/IAF)		SOPNE (FB)		033.16 / 4.00				2800							
SOPNE		EJISO (FB)		033.18 / 2.10				2300							
EJISO (FAF)		USUYO/1.60 NM TO RW03 (FB)		033.19 / 1.81											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. HOLD SW AXETE, RT, 033.16 INBOUND, 3000 FT. IN LIEU OF PT (IAF)															
3. FAC: 033.19 FAF: EJISO DIST FAF TO MAP: 3.41 THLD: 3.41															
4. MIN. ALT: AXETE 3000, SOPNE 2800, EJISO 2300, USUYO/1.60 NM TO RW03 1720*															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 2300 GS ALT AT: EJISO 2300 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR															
8. MSA FROM: RW03 3800															
MAG VAR: 3E EPOCH YEAR: 2020															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @			
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1460	3/4	283	1460	3/4	283	1460	3/4	283	1460	3/4	283			
LNAV/VNAV DA	1503	7/8	326	1503	7/8	326	1503	7/8	326	1503	7/8	326			
LNAV MDA	1580	3/4	403	1580	3/4	403	1580	1	403	1580	1	403			
CIRCLING	1660	1	478	1660	1	478	1940	2 1/4	758	1940	2 1/2	758			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING WILL ROGERS WORLD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA.															
@ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT C 800-2 1/4, CAT D 800-2 1/2															
(CONTINUED ON PAGE 2)															
CITY AND STATE NORMAN, OK		ELEVATION: 1182 TDZE: 1177 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 2B, 5/26/2016						SUP: AMDT: 2A DATED 04/02/2015			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
USUYO/1.60 NM TO RW03	RW03 (MAP) (FO)	033.19 / 1.60	
RW03 (MAP)	1700 MSL	033.19	1700
1700 MSL	WETIX (FO)		3100

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CESTA ON V573 SOUTHBOUND.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE LPV DA TO 1501 FEET, LNAV/VNAV DA TO 1544 FEET; INCREASE ALL MDA 60 FEET, INCREASE LPV VISIBILITY TO 7/8 MILE ALL CATS, INCREASE LNAV/VNAV VISIBILITY TO 1 MILE ALL CATS, AND INCREASE LNAV CAT C/D VISIBILITY TO 1 1/8 MILE.

CHART NOTE: FOR INOPERATIVE MALS, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE, LNAV/VNAV CAT D VISIBILITY TO 1 1/8 MILE, LNAV CAT C/D VISIBILITY TO 1 1/8 MILE.

CHART NOTE: FOR INOPERATIVE MALS WHEN USING WILL ROGERS WORLD AIRPORT ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 1/8 MILE, LNAV/VNAV CAT D VISIBILITY TO 1 1/4 MILE, LNAV CAT D VISIBILITY TO 1 3/8 MILE.

CHART NOTE: CIRCLING NA SE OF RWYS 3 AND 21.

QUALITY
16
CHECKED

CITY AND STATE

NORMAN, OK

ELEVATION: 1182

TDZE: 1177

AIRPORT NAME:

UNIVERSITY OF OKLAHOMA WESTHEIMER

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, AMDT 2B, 5/26/2016

SUP:

AMDT: 2A

DATED: 04/02/2015

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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QUALITY
16
CHECKED

CITY AND STATE
NORMAN, OK

ELEVATION: 1182 TDZE: 1177
AIRPORT NAME:
UNIVERSITY OF OKLAHOMA WESTHEIMER

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, AMDT 2B, 5/26/2016

SUP:
AMDT: 2A
DATED: 04/02/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOUN
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	351410.3730N
LTP/FTP LONGITUDE	0972832.8760W
LTP/FTP ELLIPSOIDAL HEIGHT	+03317
FPAP LATITUDE	351522.3700N
FPAP LONGITUDE	0972728.6100W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1304
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

74F4C04C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03582
FPAP ORTHOMETRIC HEIGHT	+03582

QUALITY
16
CHECKED

CITY AND STATE

NORMAN, OK

ELEVATION: 1182

TDZE: 1177

AIRPORT NAME:

UNIVERSITY OF OKLAHOMA WESTHEIMER

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, AMDT 2B, 5/26/2016

SUP:

AMDT:

2A

DATED:

04/02/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KOUN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CESTA	010	CESTA	IF	FB										E A
CESTA	020	AXETE	TF	FB	1.0	071.6						AA 03000		EE B
HAVAK	010	HAVAK	IF	FB										E
HAVAK	020	AXETE	TF	FO	2.0	208.0						AA 03000		EY
HAVAK	030	AXETE	HF	FO		033.2			R			AA 03000		EE A
WETIX	010	WETIX	IF	FB										E
WETIX	020	WUVUV	TF	FB	2.0	292.0						AA 03000		E A
WETIX	030	AXETE	TF	FB	1.0	332.2						AA 03000		EE B
	010	AXETE	IF	FB								AA 03000		E I
	011	SOPNE	TF	FB	1.0	033.2						AA 02800		E
	020	EJISO	TF	FB	1.0	033.2				RW03		AA 02300		E F
	021	USUYO	TF	FB	0.3	033.2		3.00				AA 01720 GS 01724		E S
	030	RW03	TF	FO	0.3	033.2		3.00				AT 01215		GY M
	040		CA	FB		033.2						AA 01700		M
	050	WETIX	DF	FO					R			AA 03100		EY
	060	WETIX	HM	FO		292.0			R			AA 03100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AXETE	N350629.28	W0973523.66
CESTA	N350502.53	W0974147.98
EJISO	N351125.18	W0973100.19
HAVAK	N351040.67	W0973220.17
SOPNE	N350943.32	W0973230.93
USUYO	N351252.78	W0972942.09
WETIX	N350011.43	W0972816.45
WUVUV	N350156.44	W0973250.54

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW03	N351410.37	W0972832.88	01175	40.0

QUALITY
12
CHECKED

CITY AND STATE NORMAN, OK	ELEVATION: 1182 TDZE: 1177	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 2B, 5/26/2016	SUP:
	AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER			AMDT: 2A
				DATED: 04/02/2015

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3000 DIRECT HUSIP AND ON TRACK 184.43 TO COFIX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 335.28 INBOUND. CHART FAS OBST: 1318 TREE 351754N/0972818W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.07 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 58302 REFERENCE PATH ID: W18A CHART CIRCLING ICON. LTP HAE: 333.5 M							
OVAYE (IAF)		PEDIY (FB)		176.65 / 5.49			4000									
POMPL (IAF)		PEDIY (FB)		115.40 / 9.62			4000									
PEDIY (IF)		RIBPO (FB)		176.64 / 6.43			3000									
RIBPO (FAF)		DABSE/3.00 NM TO RW18 (FB)		176.66 / 2.55												
DABSE/3.00 NM TO RW18		RW18 (MAP) (FO)		176.66 / 3.00												
RW18 (MAP)		1382 MSL		176.66												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT PEDIY 3. FAC: 176.66 FAF: RIBPO DIST FAF TO MAP: 5.55 THLD: 5.55 4. MIN. ALT: PEDIY 4000, RIBPO 3000, DABSE/3.00 NM TO RW18 2180 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: RIBPO 3000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.9 34:1 IS CLEAR 8. MSA FROM: RW18 3800											MAG VAR: 3E		EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @							
CATEGORY >>>>>	A		B		C		D		E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1382	1/2	200	1382	1/2	200	1382	1/2	200	1382	1/2	200				
LNAV/VNAV DA	1453	1/2	271	1453	1/2	271	1453	1/2	271	1453	1/2	271				
LNAV MDA	1580	1/2	398	1580	1/2	398	1580	5/8	398	1580	5/8	398				
CIRCLING	1660	1	478	1660	1	478	1940	2 1/4	758	1940	2 1/2	758				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING WILL ROGERS WORLD ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OVAYE ON V354 NORTHEAST BOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 1182 TDZE: 1182		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 17						
NORMAN, OK		AIRPORT NAME:		UNIVERSITY OF OKLAHOMA WESTHEIMER		RNAV (GPS) RWY 18, AMDT 2, 5/26/2016				AMDT: 1A						
										DATED 08/21/2014						

QUALITY
 16
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
1382 MSL	HUSIP (FB)		
HUSIP	COFIX (FO)	184.43 / 8.43	3000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE; WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE LPV DA TO 1423 FEET, LNAV/VNAV DA TO 1494 FEET; INCREASE ALL MDA 60 FEET; INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE; INCREASE LNAV CAT C/D VISIBILITY TO 1 1/8 MILE.

CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT POMPL.

CHART NOTE: CIRCLING NA SE OF RWYS 3 AND 21.

QUALITY
16
CHECKED

CITY AND STATE
NORMAN, OK

ELEVATION: 1182 TDZE: 1182
AIRPORT NAME:
UNIVERSITY OF OKLAHOMA WESTHEIMER

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 2, 5/26/2016

SUP: RNAV (GPS) RWY 17
AMDT: 1A
DATED: 08/21/2014

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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CITY AND STATE NORMAN, OK	ELEVATION: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER	TDZE: 1182	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2, 5/26/2016	SUP: RNAV (GPS) RWY 17
					AMDT: 1A
					DATED: 08/21/2014

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOUN
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	351523.1830N
LTP/FTP LONGITUDE	0972823.2115W
LTP/FTP ELLIPSOIDAL HEIGHT	+03335
FPAP LATITUDE	351353.9445N
FPAP LONGITUDE	0972822.5655W
THRESHOLD CROSSING HEIGHT (TCH)	00050.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 A494F8A5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03602
FPAP ORTHOMETRIC HEIGHT	+03602

QUALITY
16
CHECKED

CITY AND STATE NORMAN, OK	ELEVATION: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER	TDZE: 1182	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2, 5/26/2016	SUP: RNAV (GPS) RWY 17
					AMDT: 1A
					DATED: 08/21/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																							
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CITY AND STATE NORMAN, OK					ELEVATION: 1182 TDZE: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER			FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2, 5/26/2016			SUP: RNAV (GPS) RWY 17 AMDT: 1A DATED: 08/21/2014																																																																																																																																																																																																																																						



RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES											MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 4000 DIRECT PEDIY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.64 INBOUND. CHART FAS OBST: 1324 TK 351241N/0972828W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. CHART VDP AT 1.32 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 82729 REFERENCE PATH ID: W36A CHART CIRCLING ICON. LTP HAE: 332.3 M											
HAVAK		UBLOY (FO)		154.28 / 8.59			3000													
WETIX (IAF)		UBLOY (NOPT) (FB)		356.61 / 2.55			3000													
UBLOY (IF/IAF)		VUNYU (FB)		356.66 / 6.80			2800													
VUNYU (FAF)		WINAD/2.50 NM TO RW36 (FB)		356.66 / 2.47																
WINAD/2.50 NM TO RW36		RW36 (MAP) (FO)		356.66 / 2.50																
RW36 (MAP)		1432 MSL		356.66																
1432 MSL		PEDIY (FO)					4000													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S UBLOY, RT, 356.66 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 356.66 FAF: VUNYU DIST FAF TO MAP: 4.97 THLD: 4.97 4. MIN. ALT: UBLOY 3000, VUNYU 2800, WINAD/2.50 NM TO RW36 2000* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: VUNYU 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW36 3800											MAG VAR: 3E					EPOCH YEAR: 2020				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @											
CATEGORY >>>>>		A		B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA					
LPV DA	1432	7/8	250	1432	7/8	250	1432	7/8	250	1432	7/8	250								
LNAV/VNAV DA	1500	1 1/8	318	1500	1 1/8	318	1500	1 1/8	318	1500	1 1/8	318								
LNAV MDA	1640	1	458	1640	1	458	1640	1 3/8	458	1640	1 3/8	458								
CIRCLING	1660	1	478	1660	1	478	1940	2 1/4	758	1940	2 1/2	758								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING WILL ROGERS WORLD ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING (CONTINUED ON PAGE 2)																				
CITY AND STATE		ELEVATION: 1182 TDZE: 1182			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP: RNAV (GPS) RWY 35								
NORMAN, OK		AIRPORT NAME:			UNIVERSITY OF OKLAHOMA WESTHEIMER		RNAV (GPS) RWY 36, ORIG-B, 5/26/2016					AMDT: ORIG-A								
												DATED 04/02/2015								



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

AND INCREASE LPV DA TO 1473 FEET, LNAV/VNAV DA TO 1541 FEET; INCREASE ALL MDA 60 FEET, INCREASE LPV VISIBILITY ALL CATS TO 1 MILE, LNAV/VNAV VISIBILITY ALL CATS TO 1 1/4 MILE, AND INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING NA SE OF RWY 3 AND 21.



CITY AND STATE NORMAN, OK	ELEVATION: 1182 TDZE: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-B, 5/26/2016	SUP: RNAV (GPS) RWY 35
				AMDT: ORIG-A
				DATED: 04/02/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOUN
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	351431.7695N
LTP/FTP LONGITUDE	0972822.8440W
LTP/FTP ELLIPSOIDAL HEIGHT	+03323
FPAP LATITUDE	351601.0100N
FPAP LONGITUDE	0972823.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 837B0505

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03588
FPAP ORTHOMETRIC HEIGHT	+03588

QUALITY
16
CHECKED

CITY AND STATE NORMAN, OK	ELEVATION: 1182 TDZE: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-B, 5/26/2016	SUP: RNAV (GPS) RWY 35
				AMDT: ORIG-A
				DATED: 04/02/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KOUN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
HAVAK	010	HAVAK	IF	FB										E
HAVAK	020	UBLOY	TF	FO	2.0	154.3						AA 03000		EY
HAVAK	030	UBLOY	HF	FO		356.7			R			AA 03000		EE A
WETIX	010	WETIX	IF	FB										E A
WETIX	020	UBLOY	TF	FB	1.0	356.6						AA 03000		EE B
	010	UBLOY	IF	FB								AA 03000		E I
	020	VUNYU	TF	FB	1.0	356.7				RW36		AA 02800		E F
	021	WINAD	TF	FB	0.3	356.7		3.00				AA 02000 GS 02013		E S
	030	RW36	TF	FO	0.3	356.7		3.00				AT 01217		GY M
	040		CA	FB		356.7						AA 01432		M
	050	PEDIY	DF	FO								AA 04000		EY
	060	PEDIY	HM	FO		176.6			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HAVAK	N351040.67	W0973220.17
PEDIY	N352723.30	W0972828.60
UBLOY	N350244.45	W0972817.73
VUNYU	N350933.10	W0972820.68
WETIX	N350011.43	W0972816.45
WINAD	N351201.54	W0972821.75

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N351431.77	W0972822.84	01177	40

QUALITY
16
CHECKED

CITY AND STATE NORMAN, OK	ELEVATION: 1182 TDZE: 1182 AIRPORT NAME: UNIVERSITY OF OKLAHOMA WESTHEIMER	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-B, 5/26/2016	SUP: RNAV (GPS) RWY 35
				AMDT: ORIG-A
				DATED: 04/02/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																			
CITY AND STATE OKLAHOMA CITY, OK				ELEVATION: 1193 TDZE: 1177 AIRPORT NAME: SUNDANCE AIRPARK				FACILITY IDENTIFIER: I-HSD		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: LOC RWY 17, ORIG-F, 03/05/2015						SUP AMD'T ORIG-E DATE 06/28/2012			



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
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FROM		TO		COURSE AND DISTANCE				ALTITUDE		ADDITIONAL FLIGHT DATA:											
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)										MAG VAR: EPOCH YEAR:											
2. _____																					
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____																					
4. MIN. ALT ____																					
8. MSA FROM: _____																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A											
CATEGORY =====>																					
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS						
NOTES:										QUALITY 2 CHECKED											
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																					
CITY AND STATE TIPTON, OK		ELEVATION: 1248 AIRPORT NAME: TIPTON MUNI		TDZE: 1248		FACILITY IDENTIFIER: HBR		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR/DME RWY 17, ORIG-B, 11/23/2006				SUP AMD'T NONE DATE									

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES														MISSED APPROACH												
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LP: RW19R LNAV: RW19R												
STEBB (IAF)				HAXED (FB)				144.98 / 7.38				2800		CLIMB TO 2800 DIRECT INHOF AND HOLD.												
HAXED (IF)				WUXIT (FB)				161.85 / 5.63				2000														
WUXIT (FAF)				RW19R (MAP) (FO)				187.35 / 3.85																		
RW19R (MAP)				1038 MSL				187.35																		
1038 MSL				INHOF (FO)								2800		ADDITIONAL FLIGHT DATA: HOLD S, RT, 007.30 INBOUND. CHART FAS OBST: 946 TREE 360403N/0955921W CHART FAS OBST: 788 TOWER 360424N/0955836W CHART: 804 TOWER 360602N/0955831W CHART VDP AT 1.05 MILES TO RW19R WAAS CHANNEL # 81939 REFERENCE PATH ID: W19A CHART CIRCLING ICON. WUXIT TO RW19R: 3.23/42.9 CHART ARRIVAL HOLDING AT STEBB: HOLD NW, RT, 144.98 INBOUND LTP HAE: 165.6 M												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																										
2. PROFILE STARTS AT HAXED																										
3. FAC: 187.35 FAF: WUXIT DIST FAF TO MAP: 3.85 THLD: 3.85																										
4. MIN. ALT: HAXED 2800, WUXIT 2000																										
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																										
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																										
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR																										
8. MSA FROM: RW19R 3600																										
MAG VAR: 6E EPOCH YEAR: 1985																										
MINIMUMS																										
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD @																
CATEGORY =====>		A			B			C			D			E												
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA											
LP MDA	1040	1	402	1040	1	402	1040	1 1/8	402	1040	1 1/8	402														
LNAV MDA	1200	1	562	1200	1	562	1200	1 5/8	562	1200	1 5/8	562														
CIRCLING	1260	1	622	1280	1	642	1280	1 3/4	642	1380	2 1/2	742														
NOTES: CHART NOTE: NIGHT LANDING: RWY 13 NA. CHART NOTE: CIRCLING NA NE OF RWYS 31 AND 19L. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT STEBB ON V74 EASTBOUND. (CONTINUED ON PAGE 2)																										
CITY AND STATE TULSA, OK				ELEVATION: 638 TDZE: 638 AIRPORT NAME: RICHARD LLOYD JONES JR				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19R, ORIG 26 MAY 2016						SUP: AMDT: NONE DATED										

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: VDP NA WHEN USING TULSA ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TULSA INTL ALTIMETER SETTING AND INCREASE ALL MDA'S 40 FEET; INCREASE LNAV CAT C AND D VISIBILITY 1/8 MILE AND LP VISIBILITY CAT C AND D 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY
24
CHECKED

CITY AND STATE TULSA, OK	ELEVATION: 638 AIRPORT NAME: RICHARD LLOYD JONES JR	TDZE: 638	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19R, ORIG 26 MAY 2016	SUP:
					AMDT: NONE
					DATED:

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRVS
RUNWAY	RW19R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	360247.9255N
LTP/FTP LONGITUDE	0955902.0105W
LTP/FTP ELLIPSOIDAL HEIGHT	+01656
FPAP LATITUDE	360121.1035N
FPAP LONGITUDE	0955927.3520W
THRESHOLD CROSSING HEIGHT (TCH)	00042.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.23
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 E2A1307B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01944
FPAP ORTHOMETRIC HEIGHT	+01944

QUALITY
24
CHECKED

CITY AND STATE TULSA, OK	ELEVATION: 638 AIRPORT NAME: RICHARD LLOYD JONES JR	TDZE: 638	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19R, ORIG 26 MAY 2016	SUP:
					AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KRVS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
STEBB	010	STEBB	IF	FB										E C
STEBB	020	HAXED	TF	FB	1.0	145.0						AA 02800		EE B
	010	HAXED	IF	FB								AA 02800		E I
	020	WUXIT	TF	FB	1.0	161.9				RW19R		AA 02000		E F
	030	RW19R	TF	FO	0.3	187.4		3.23				AT 00681		GY M
	040		CA	FB		187.4						AA 01038		M
	050	INHOF	DF	FO								AA 02800		EY
	060	INHOF	HM	FO		007.3			R			AA 02800		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HAXED	N361203.54	W0955923.98
INHOF	N355025.70	W0960238.14
STEBB	N361831.42	W0960349.40
WUXIT	N360632.87	W0955756.28

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW19R	N360247.93	W0955902.01	00638	42.9

QUALITY
24
CHECKED

CITY AND STATE TULSA, OK	ELEVATION: 638 TDZE: 638	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 19R, ORIG 26 MAY 2016	SUP:
	AIRPORT NAME: RICHARD LLOYD JONES JR			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
LKV VORTAC	BIDDS/LMT VORTAC 15.00 DME	230.85 / 43.01	15000	ILS: DA LOC: LMT VORTAC 0.61 DME FIX											
OED VORTAC	OLEBY/LMT 15.00 DME	094.11 / 41.52	15000												
OLEBY/LMT VORTAC 15.00 DME CCW (IAF)	ZOOMI/LMT VORTAC 15.00 DME	15.00 DME ARC (LMT LR-150)	8600	CLIMB TO 5300 THEN CLIMBING LEFT TURN TO 13000 ON HEADING 230 AND LMT VORTAC R-265 TO OLEBY/LMT VORTAC 15.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000. ## MISSED APPROACH REQUIRES MINIMUM CLIMB OF 413 FEET PER NM TO 12200.											
BIDDS/LMT VORTAC 15.00 DME CW (IAF)	SCALN/LMT 15.00 DME	15.00 DME ARC	13000												
SCALN/LMT VORTAC 15.00 DME CW	SLAAK/LMT VORTAC 15.00 DME	15.00 DME ARC	12000	ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART ARRIVAL HOLDING AT PEREZ/LMT VORTAC 35.00 DME: HOLD SE, RT, 321.90 INBOUND, 20000 (RECOMMENDED). CHART ARRIVAL HOLDING AT BIDDS/LMT VORTAC 15.00 DME: HOLD NE, RT, 232.03 INBOUND, 15000 (RECOMMENDED). CHART ARRIVAL HOLDING AT OLEBY/LMT VORTAC 15.00 DME: HOLD W, RT, 085.00 INBOUND, 15000 (RECOMMENDED). CHART FAS OBST: 4279 TREE 420626N/1214259W 4660 AAO 420426N/1214156W. CHART VDP AT 1.71 DME* DISTANCE VDP TO THLD 1.11 MILES. CHART LMT R-265 AT OLEBY. CHART LMT R-052 AT BIDDS. CHART LMT R-105 AT SCALN. CHART LMT R-125 AT SLAAK. CHART CIRCLING ICON. (SEE FORM 8260-10)											
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT ZOOMI/LMT VORTAC 15.00 DME 3. FAC: <u>321.23</u> FAF: <u>MZAMA/LMT VORTAC 7.22 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>6.63</u> 4. MIN. ALT: <u>ZOOMI 8600, MZAMA 6300, SRCUS/LMT VORTAC 4.40 DME 5380*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1090</u> 6. MIN GS INCPT: <u>6300</u> GS ALT AT: <u>MZAMA 6300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.1</u> 8. MSA FROM: <u>LMT VORTAC 360-090 8500, 090-180 7800, 180-360 9500, ESA W/IN 100 NM 16400</u>				MAG VAR: 17E EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u> </u>		ILS: # <u> </u> LOC: @ <u> </u>									
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 32 ##							4295	2400	200	4295	2400	200	4295	2400	200
S-LOC 32 ##							4500	4000	405	4500	4000	405	4500	4000	405
CIRCLING							5420	3	1325	5660	3	1565	5700	3	1605
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN ALS INOP, INCREASE S-ILS 32 ALL CATS VISIBILITY TO RVR 4000, AND S-LOC 32 ALL CATS VISIBILITY TO RVR 6000. CHART NOTE: CIRCLING NA FOR CATS D AND E EAST OF RWY 14-32. (CONTINUED ON PAGE 2)															
CITY AND STATE KLAMATH FALLS, OR		ELEVATION: 4095 TDZE: 4095		FACILITY IDENTIFIER: I-LMT		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: HI ILS OR LOC RWY 32, AMDT 6 26 MAY 2016				SUP: HI ILS OR LOC/DME RWY 32 AMDT: 5 DATED 07/29/2010					

QUALITY
4

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES, (CONT.):					
FROM		TO		COURSE AND DISTANCE	ALTITUDE
SLAAK/LMT VORTAC 15.00 DME CW		ZOOMI/LMT VORTAC 15.00 DME		15.00 DME ARC (LMT LR-134)	8600
PEREZ/LMT VORTAC 35.00 DME (IAF)		USAFA/LMT VORTAC 20.00 DME		321.90 / 15.00 (LMT R-142)	10000
USAFA/LMT VORTAC 20.00 DME		ZOOMI/LMT VORTAC 15.00 DME		321.90 / 5.00 (LMT R-142)	8600
ZOOMI/LMT VORTAC 15.00 DME (IF)		MZAMA/LMT VORTAC 7.22 DME		321.23 / 7.78 (I-LMT)	6300
NOTES, (CONT.):					
CHART NOTE: DME REQUIRED. DME FROM LMT VORTAC. SIMULTANEOUS RECEPTION OF I-LMT AND LMT DME REQUIRED.					
CHART PLANVIEW NOTE AT OLEBY: MAX HOLDING ALTITUDE 17500. MINIMUM HOLDING ALTITUDE 13000. MAX HOLDING 265 KIAS.					
CHART PLANVIEW NOTE AT BIDDS: MAX HOLDING ALTITUDE 17500. MAX HOLDING 265 KIAS.					
CHART PLANVIEW NOTE: NOT FOR CIVIL USE.					
CHART PLANVIEW NOTE: DME REQUIRED.					
*LOC ONLY.					
CITY AND STATE KLAMATH FALLS, OR		ELEVATION: 4095 TDZE: 4095 AIRPORT NAME: CRATER LAKE-KLAMATH RGNL		FACILITY IDENTIFIER: I-LMT	
				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: HI ILS OR LOC RWY 32, AMDT 6 26 MAY 2016	
				SUP: HI ILS OR LOC DME RWY 32	
				AMDT: 5	
				DATED: 07/29/2010	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH								
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAFEG/1.50 DME							
OED VORTAC			CRUST/LMT VORTAC 35.00 DME			053.47 / 37.47			20000		CLIMB TO 5000 THEN CLIMBING RIGHT TURN TO 9400 ON HEADING 180.00 AND LMT VORTAC R-164 TO MUREX/LMT 17.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9400.							
LKV VORTAC			YANEX/LMT VORTAC 20.00 DME			230.85 / 38.01			20000									
CRUST/35.00 DME (IAF)			MUPEE/20.00 DME			134.41 / 15.00 (LMT R-314)			13000									
YANEX/20.00 DME CCW (IAF)			MUPEE/20.00 DME			20.00 DME ARC			13000									
MUPEE/20.00 DME			HIVPO/14.60 DME			134.41 / 5.40 (LMT R-314)			8700									
HIVPO/14.60 DME (IF)			EYOWO/8.55 DME			134.41 / 6.05 (LMT R-314)			6800		ADDITIONAL FLIGHT DATA: HOLD S, RT, 344.00 INBOUND. CHART ARRIVAL HOLDING AT CRUST/35.00 DME: HOLD NW, LT, 134.41 INBOUND, 20000 (RECOMMENDED). CHART ARRIVAL HOLDING AT YANEX/LMT VORTAC 20.00 DME: HOLD NE, RT, 232.03 INBOUND, 20000 (RECOMMENDED). CHART FAS OBST: 4424 TOWER 421137N/1214623W CHART: 4743 TOWER 421256N/1214755W CHART: 4732 TOWER 421256N/1214757W. CHART VDP AT 3.36 DME DISTANCE VDP TO THLD 2.24 MILES. CHART LMT R-052 AT YANEX. EYOWO TO RW14: 3.37/50. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 2247 FT FROM THLD. MAG VAR: 17E EPOCH YEAR: 1990							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																		
2. PROFILE STARTS AT MUPEE/20.00 DME																		
3. FAC 134.41 FAF EYOWO/8.55 DME DIST FAF TO MAP _____ THLD 7.43																		
4. MIN. ALT MUPEE 13000, HIVPO 8700, EYOWO 6800, ZAPUL/5.50 DME 5700, CLEET/4.40 DME 5300																		
8. MSA FROM: LMT VORTAC 360-090 8500, 090-180 7800, 180-360 9500, ESA W/IN 100 NM 16400																		
MINIMUMS																		
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE:							@	
CATEGORY		A			B			C			D			E				
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-14								4860	2	769	4860	2	769	4860	2	769		
CIRCLING								5420	3	1325	5660	3	1565	5700	3	1605		
NOTES:																		
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). @ CAT C 1400-3, CAT D 1600-3, E 1700-3																		
CHART NOTE: CIRCLING NA FOR CATS D AND E EAST OF RWY 14-32.																		
CHART NOTE: WHEN ALS INOP, INCREASE S-14 ALL CATS VISIBILITY TO 2 1/2 MILE.																		
CHART PLANVIEW NOTE: NOT FOR CIVIL USE.																		
CITY AND STATE		ELEVATION: 4095 TDZE: 4091			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP						
KLAMATH FALLS, OR		AIRPORT NAME:			LMT		HI TACAN RWY 14, AMDT 3A					AMDT						
		CRATER LAKE-KLAMATH RGNL					26 MAY 2016					DATE						
												07/29/2010						

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		HEGEX/1.00 DME FIX								
LKV VORTAC			BIDDS/LMT VORTAC 15.00 DME			230.85 / 43.01			15000		CLIMB TO 5500 THEN CLIMBING LEFT TURN TO 13000 ON HEADING 230 AND LMT VORTAC R-265 TO OLEBY/LMT 15.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000. # MISSED APPROACH REQUIRES MINIMUM CLIMB OF 414 FEET PER NM TO 12,100.								
OED VORTAC			OLEBY/LMT VORTAC 15.00 DME			094.11 / 41.52			15000										
OLEBY/15.00 DME CCW (IAF)			FARM/15.00 DME			15.00 DME ARC			8600										
BIDDS/15.00 DME CW (IAF)			SCALN/LMT 15.00 DME			15.00 DME ARC			13000										
SCALN/LMT 15.00 DME CW			SLAAK/LMT 15.00 DME			15.00 DME ARC			12000										
SLAAK/LMT 15.00 DME CW			FARM/15.00 DME			15.00 DME ARC			8600		ADDITIONAL FLIGHT DATA: HOLD W, RT, 085.00 INBOUND. CHART ARRIVAL HOLDING AT EAGGL/35.00 DME: HOLD SE, RT, 328.00 INBOUND, 20000 (RECOMMENDED). CHART ARRIVAL HOLDING AT BIDDS/LMT VORTAC 15.00 DME: HOLD NE, RT, 232.03 INBOUND, 15000 (RECOMMENDED). CHART ARRIVAL HOLDING AT OLEBY/LMT VORTAC 15.00 DME: HOLD W, RT, 085.00 INBOUND, 15000 (RECOMMENDED). CHART FAS OBST: 4279 TREE 420626N/1214259W 4960 AAO 420408N/1214334W. CHART VDP AT 1.83 DME DISTANCE VDP TO THLD 1.23 MILES. CHART LMT R-265 AT OLEBY. (SEE FORM 8260-10) MAG VAR: 17E EPOCH YEAR: 1990								
(SEE FORM 8260-10)																			
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																			
2. PROFILE STARTS AT FARM/15.00 DME																			
3. FAC 328.00 FAF JIDAL/7.00 DME DIST FAF TO MAP THLD 6.40																			
4. MIN. ALT FARM 8600, JIDAL 6300, FEPNU/4.40 DME 5520																			
8. MSA FROM: LMT VORTAC 360-090 8500, 090-180 7800, 180-360 9500, ESA W/IN 100 NM 16400																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE:		@							
CATEGORY		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
S-32 #								4540	4500	445	4540	4500	445	4540	4500	445			
CIRCLING								5420	3	1325	5660	3	1565	5700	3	1605			
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). @ CAT C 1400-3, CAT D 1600-3, CAT E 1700-3 CHART NOTE: WHEN ALS INOP, INCREASE S-32 ALL CATS VISIBILITY TO 1 3/8 MILE. CHART NOTE: CIRCLING NA FOR CATS D AND E EAST OF RWY 14-32. CHART PLANVIEW NOTE AT OLEBY: MAX HOLDING ALTITUDE 17500. MINIMUM HOLDING ALTITUDE 13000. MAX HOLDING 265 KIAS. CHART PLANVIEW NOTE AT BIDDS: MAX HOLDING ALTITUDE 17500. MAX HOLDING 265 KIAS. CHART PLANVIEW NOTE: NOT FOR CIVIL USE.																			
CITY AND STATE KLAMATH FALLS, OR		ELEVATION: 4095 TDZE: 4095 AIRPORT NAME: CRATER LAKE-KLAMATH RGNL			FACILITY IDENTIFIER: LMT			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: HI TACAN RWY 32, AMDT 5 26 MAY 2016				SUP AMDT DATE 07/29/2010							

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EAGGL/35.00 DME (IAF)	CEKUG/20.00 DME	328.00 / 15.00 (LMT R-148)	10000
CEKUG/20.00 DME	FARMI/15.00 DME	328.00 / 5.00 (LMT R-148)	8600
FARMI/15.00 DME (IF)	JIDAL/7.00 DME	328.00 / 8.00 (LMT R-148)	6300

ADDITIONAL FLIGHT DATA, (CONT.):

CHART LMT R-052 AT BIDDS.
CHART LMT R-105 AT SCALN.
CHART LMT R-125 AT SLAAK.

FEPNU TO RW32: 3.41/50.

CHART CIRCLING ICON.

FAC 291 FT R OF RWY C/L EXTENDED 3000 FT FROM THLD.

CITY AND STATE

KLAMATH FALLS, OR

ELEVATION: 4095

TDZE: 4095

AIRPORT NAME:

CRATER LAKE-KLAMATH RGNL

FACILITY
IDENTIFIER:

LMT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

HI TACAN RWY 32, AMDT 5
26 MAY 2016

SUP:

AMDT:

DATED: 07/29/2010

QUALITY
4
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES														MISSED APPROACH												
FROM				TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: I-ERI 0.29 DME FIX												
JFN VOR/DME				YUDUR/JFN 10.00 DME				057.09 / 10.00				3000		CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 330 AND ON ERI VORTAC R-030 DIRECT ERI VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 800 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 290 AND ON JFN VOR/DME R-050 TO JEFFERSON VOR/DME AND HOLD W, RT, 068.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 064.48 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W JEFFERSON VOR/DME, RT, 068.00 INBOUND. CHART FAS OBST: 875 TOWER 420338N/0801242W 1069 AAO 420017N/0801718W. CHART VDP AT 0.83 DME* DISTANCE VDP TO THLD 1.11 NM. *LOC ONLY. CHART IN PROFILE VIEW: I-ERI DME ANTENNA. CHART CIRCLING ICON. CHART IN PLANVIEW: JFN 19.29 DME AT LADVE.												
YUDUR/JFN 10.00 DME (IAF)				LADVE/I-ERI 12.17 DME				057.09 / 9.29 (JFN R-057)				3000														
LADVE/I-ERI 12.17 DME (IF)				CABSA/I-ERI 6.04 DME				064.48 / 6.13 (I-AWY)				2800														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 10W EPOCH YEAR: 2015												
2. PROFILE STARTS AT LADVE/I-ERI 12.17 DME																										
3. FAC: 064.48 FAF: CABSA/I-ERI 6.04 DME DIST FAF TO MAP: _____ THLD: 6.32																										
4. MIN. ALT: LADVE 3000, CABSA 2800, JUNOG/I-ERI 1.72 DME 1420*																										
5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ 150 HAT: _____ - _____ 100 HAT: _____ GS ANT: 1058																										
6. MIN GS INCPT: 2800 GS ALT AT: CABSA 2800 OM: _____ - _____ MM: _____ - _____ IM: _____																										
7. GS ANGLE: 3.00 TCH: 55.0																										
8. MSA FROM: ERI VORTAC 040-220 3200, 220-040 2500																										
MINIMUMS																										
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: STANDARD #			LOC: STANDARD @													
CATEGORY =====>		A			B			C			D			E												
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA											
S-ILS 06	982	2400	250	982	2400	250	982	2400	250	982	2400	250														
S-LOC 06	1140	2400	408	1140	2400	408	1140	4000	408	1140	4000	408														
CIRCLING	1160	1	428	1200	1	468	1200	1 1/2	468	1340	2	608														
NOTES: CHART NOTE: CIRCLING NA SE OF RWY 06-24. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1580. CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: USE I-ERI DME WHEN ON THE LOCALIZER COURSE. (CONTINUED ON PAGE 2)																										
CITY AND STATE ERIE, PA				ELEVATION: 732 TDZE: 732 AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD				FACILITY IDENTIFIER: I-ERI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 18 26 MAY 2016				SUP: ILS OR LOC/DME RWY 6 4 AMDT: 17 DATED 12/13/2012												

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: VDP NA WITH ASHTABULA, OH ALTIMETER SETTING.
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING ASHTABULA, OH ALTIMETER SETTING, INCREASE S-ILS 6 ALL CATS VISIBILITY TO RVR 6000, S-LOC 6 CATS C/D VISIBILITY TO 1 3/8 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 6 CATS C/D VISIBILITY TO RVR 6000.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHTABULA, OH ALTIMETER SETTING AND INCREASE DA TO 1076 AND ALL MDA 100 FT, INCREASE ILS ALL CATS TO RVR 3000 AND INCREASE S-LOC 6 CATS C/D VISIBILITY TO RVR 5500 AND CIRCLING CAT D VISIBILITY TO 2 1/4 MILE.
CHART NOTE: NIGHT LANDING: RWY 2, 20 NA.

CITY AND STATE ERIE, PA	ELEVATION: 732	TDZE: 732	FACILITY IDENTIFIER: I-ERI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 18 26 MAY 2016	SUP: ILS OR LOC/DME RWY 6
	AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD	AMDT: 17			
	DATED: 12/13/2012				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CITY AND STATE
ERIE, PA

ELEVATION: 732 TDZE: 732
AIRPORT NAME:
ERIE INTL/TOM RIDGE FIELD

FACILITY
IDENTIFIER:
I-ERI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 6, AMDT 18
26 MAY 2016

QUALITY
4
SUP: ILS OR LOC/DME
RWY 6
AMDT: 17
DATED: 12/13/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KERI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JFN	010	JFN	IF	FB										V
JFN	020	YUDUR	TF	FB								AA 03000		E A
JFN	030	YUDUR	FC	FB		057.1	JFN					AA 03000		E
JFN	040	LADVE	CF	FB		057.1	IERI					AA 03000		EE B
	010	LADVE	IF	FB			IERI					AA 03000 GI 02800		E I
	020	CABSA	CF	FB		064.0	IERI	3.00		ERI		GI 02800 GS 02800		E F
	030	RW06	CF	FO		064.0	IERI	3.00				AT 00787		GY M
	040		CA	FB		064.5						AA 01300		M
	050		VI	FB		330.0			L					
	060	ERI	CF	FO		210.0	ERI		L			AA 04000		VY
	070	ERI	HM	FO		064.5			R			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ERI	N420102.63	W0801733.71
JFN	N414536.42	W0804453.20
CABSA	N420100.54	W0801748.09
LADVE	N415726.19	W0802428.90
YUDUR	N415144.74	W0803419.60
IERI (LOC)	N420530.05	W0800922.04

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW06	N420441.22	W0801053.91	00732	55

QUALITY
28
CHECKED

CITY AND STATE ERIE, PA	ELEVATION: 732 TDZE: 732 AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD	FACILITY IDENTIFIER: I-ERI	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 18 26 MAY 2016	SUP: ILS OR LOC/DME RWY 6
				AMDT: 17
				DATED: 12/13/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KERI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JFN	010	JFN	IF	FB										V
JFN	020	YUDUR	TF	FB								AA 03000		E A
JFN	030	YUDUR	FC	FB		057.1	JFN					AA 03000		E
JFN	040	LADVE	CF	FB		057.1	IERI					AA 03000		EE B
	010	LADVE	IF	FB			IERI					AA 03000		E I
	020	CABSA	CF	FB		064.0	IERI			ERI		AA 02800		E F
	021	JUNOG	CF	FB		064.0	IERI	3.01				AA 01420		E S
	030	RW06	CF	FO		064.0	IERI	3.01				AT 00787		GY M
	040		CA	FB		064.5						AA 01300		M
	050		VI	FB		330.0			L					
	060	ERI	CF	FO		210.0	ERI		L			AA 04000		VY
	070	ERI	HM	FO		064.5			R			AA 04000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ERI	N420102.63	W0801733.71
JFN	N414536.42	W0804453.20
CABSA	N420100.54	W0801748.09
JUNOG	N420331.45	W0801305.03
LADVE	N415726.19	W0802428.90
YUDUR	N415144.74	W0803419.60
IERI (LOC)	N420530.05	W0800922.04

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW06	N420441.22	W0801053.91	00732	55

QUALITY
28
CHECKED

CITY AND STATE ERIE, PA	ELEVATION: 732 AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD	TDZE: 732	FACILITY IDENTIFIER: I-ERI	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 18 26 MAY 2016	SUP: ILS OR LOC/DME
					RWY 6
					AMDT: 17
					DATED: 12/13/2012

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			ILS: DA LOC: I-AWY 1.52 DME FIX									
JONLI/I-AWY 13.13 DME (I/IAF)			DEFJO/I-AWY 6.61 DME			244.49 / 6.52 (I-AWY)			2400			CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 050 AND ON ERI VORTAC R-085 DIRECT WABOR INT/ERI VORTAC 20.00 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1700 THEN CLIMBING LEFT TURN TO (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD E, RT, 264.51 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW MUGOE/TDT 24.28 DME, RT, 124.24 INBOUND. CHART FAS OBST: 849 BLDG 420628N/0800644W CHART IN PLANVIEW: ERI VORTAC 19.00 DME AT JONLI. CHART IN PLANVIEW: ERI VORTAC. CHART VDP AT 2.52 DME* DISTANCE VDP TO THLD 1.01 MILES. *LOC ONLY. CHART IN PLANVIEW: MUGOE/TDT 24.28 DME. CHART CIRCLING ICON.									
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)												MAG VAR: 10W EPOCH YEAR: 2015									
2. HOLD NE JONLI, RT, 244.49 INBOUND, 3200 FT. IN LIEU OF PT (IAF)																					
3. FAC: 244.49 FAF: DEFJO/I-AWY 6.61 DME DIST FAF TO MAP: THLD: 5.09																					
4. MIN. ALT: JONLI 3200, DEFJO 2400, YUYXI/I-AWY 4.12 DME 1600*																					
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: 0.46 GS ANT: 975																					
6. MIN GS INCPT: 2400 GS ALT AT: DEFJO 2400 OM: - MM: - IM: -																					
7. GS ANGLE: 3.00 TCH: 55.0																					
8. MSA FROM: ERI VORTAC 040-220 3200, 220-040 2500																					
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #			LOC: STANDARD @									
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 24	930	2400	200	930	2400	200	930	2400	200	930	2400	200									
S-LOC 24	1100	2400	370	1100	2400	370	1100	3500	370	1100	3500	370									
CIRCLING	1160	1	428	1200	1	468	1200	1 1/2	468	1340	2	608									
NOTES: CHART NOTE: NIGHT LANDING: RWY 2, 20 NA. CHART NOTE: CIRCLING NA SE OF RWY 06-24. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)																					
CITY AND STATE ERIE, PA		ELEVATION: 732 TDZE: 730 AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD			FACILITY IDENTIFIER: I-AWY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 10 26 MAY 2016					SUP: ILS OR LOC/DME RWY 24 AMDT: 9 DATED 12/13/2012									

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MISSED APPROACH INSTRUCTIONS, (CONT.):
4000 ON HEADING 165 AND ON TDT VORTAC R-304.24 TO MUGOE/TDT 24.28 DME AND HOLD NW, RT, 124.24 INBOUND.

NOTES, (CONT.):
CHART NOTE: VDP NA WITH ASHTABULA, OH ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHTABULA, OH ALTIMETER SETTING AND INCREASE ALL DA TO 1026, ALL MDA 100 FEET, S-LOC 24 CATS C AND D VISIBILITY TO RVR 5000 AND CIRCLING CATS D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING ASHTABULA, OH ALTIMETER SETTING, INCREASE S-ILS 24 ALL CATS VISIBILITY TO RVR 5000, S-LOC 24 CATS C AND D VISIBILITY TO 1 3/8 MILE.
CHART PROFILE NOTE: USE I-AWY DME WHEN ON THE LOCALIZER COURSE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 24 CAT C/D VISIBILITY TO RVR 5500.

CITY AND STATE ERIE, PA	ELEVATION: 732	TDZE: 730	FACILITY IDENTIFIER: I-AWY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 10 26 MAY 2016	SUP: ILS OR LOC/DME
	AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD	AMDT: 9			
	DATED: 12/13/2012				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CITY AND STATE ERIE, PA	ELEVATION: 732	TDZE: 730	FACILITY IDENTIFIER: I-AWY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 10 26 MAY 2016	SUP: ILS OR LOC ME RWY 24
	AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD				AMDT: 9
					DATED: 12/13/2012

QUALITY
4

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KERI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JONLI	010	JONLI	HF	FO		244.5	IAWY		R			AA 03200		EE A
	010	JONLI	IF	FB			IAWY					AA 03200 GI 02400		E I
	020	DEFJO	CF	FB		244.0	IAWY	3.00		ERI		GI 02400 GS 02400		E F
	030	RW24	CF	FO		244.0	IAWY	3.00				AT 00779		GY M
	040		CA	FB		244.5						AA 01700		M
	050		VI	FB		050.0			L					
	060	WABOR	CF	FO		084.5	ERI					AA 04000		EY
	070	WABOR	HM	FO		264.5			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ERI	N420102.63	W0801733.71
IAWY (DME)	N420433.40	W0801114.44
WABOR	N420458.90	W0795114.48
DEFJO	N420821.65	W0800358.68
JONLI	N421208.32	W0795650.02
IAWY (LOC)	N420431.78	W0801111.66

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24	N420524.26	W0800932.95	00724	55

QUALITY
15
CHECKED

CITY AND STATE
ERIE, PA

ELEVATION: 732 TDZE: 730
AIRPORT NAME:
ERIE INTL/TOM RIDGE FIELD

FACILITY
IDENTIFIER:
I-AWY

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24, AMDT 10
26 MAY 2016

SUP: ILS OR LOC/DME
RWY 24
AMDT: 9
DATED: 12/13/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KERI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JONLI	010	JONLI	HF	FO		244.5	IAWY		R			AA 03200		EE A
	010	JONLI	IF	FB			IAWY					AA 03200		E I
	020	DEFJO	CF	FB		244.0	IAWY			ERI		AA 02400		E F
	021	YUYXI	CF	FB		244.0	IAWY	3.01				AA 01600		E S
	030	RW24	CF	FO		244.0	IAWY	3.01				AT 00779		GY M
	040		CA	FB		244.5						AA 01700		M
	050		VI	FB		050.0			L					
	060	WABOR	CF	FO		084.5	ERI					AA 04000		EY
	070	WABOR	HM	FO		264.5			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ERI	N420102.63	W0801733.71
IAWY (DME)	N420433.40	W0801114.44
WABOR	N420458.90	W0795114.48
DEFJO	N420821.65	W0800358.68
JONLI	N421208.32	W0795650.02
YUYXI	N420654.87	W0800642.33
IAWY (LOC)	N420431.78	W0801111.66

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24	N420524.26	W0800932.95	00724	55

QUALITY
15
CHECKED

CITY AND STATE ERIE, PA	ELEVATION: 732 TDZE: 730	FACILITY IDENTIFIER: I-AWY	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 10 26 MAY 2016	SUP: ILS OR LOC/DME
	AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD			RWY 24
	AMDT: 9			
			DATED: 12/13/2012	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

MISSED APPROACH

FROM

TO

COURSE AND DISTANCE

ALTITUDE

ADDITIONAL FLIGHT DATA:

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. _____
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____
4. MIN. ALT _____
8. MSA FROM: _____

MAG VAR:

EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A

CATEGORY =====>

A

B

C

D

E

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 26 MAY 2016

QUALITY
1
CHECKED

CITY AND STATE
ERIE, PA

ELEVATION: 732 THRE: 732
AIRPORT NAME:
ERIE INTL/TOM RIDGE FIELD

FACILITY
IDENTIFIER:
ER

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
NDB RWY 6, AMDT 2, 03/07/2013

SUP

AMDT 1

DATE 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: 3.00 MILES AFTER CQD NDB							
ERI VORTAC			CQD NDB			059.94 / 10.39				3200		CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 3200 DIRECT CQD NDB AND HOLD.							
										ADDITIONAL FLIGHT DATA: HOLD NE, RT, 244.38 INBOUND. CHART FAS OBST: 996 TREE 420418N/0800814W CQD NDB TO RW24: 3.21/55. CHART CIRCLING ICON.									
1. PT <u>L</u> SIDE OF COURSE <u>064.38</u> OUTBOUND <u>3200</u> FT WITHIN <u>10</u> MILES OF <u>CQD NDB</u> (IAF)																			
2.																			
3. FAC <u>244.38</u> FAF <u>CQD NDB</u> DIST FAF TO MAP <u>3.00</u> THLD <u>3.00</u>																			
4. MIN. ALT <u>CQD NDB 1800</u>																			
8. MSA FROM: <u>CQD NDB 3200</u>										MAG VAR: 10W EPOCH YEAR: 2015									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
S-24		1320	4000	590	1320	4000	590	1320	1 1/4	590	1320	1 1/4	590						
CIRCLING		1320	1	588	1320	1	588	1320	1 3/4	588	1340	2	608						
NOTES: CHART NOTE: CIRCLING NA SE OF RWY 06-24. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING ASHTABULA, OH ALTIMETER SETTING, INCREASE S-24 CAT D TO 2 MILES. (CONTINUED ON PAGE 2)																			
CITY AND STATE ERIE, PA		ELEVATION: 732 TDZE: 730 AIRPORT NAME: ERIE INTL/TOM RIDGE FIELD			FACILITY IDENTIFIER: CQD			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 24, AMDT 20 26 MAY 2016						SUP AMDT 19 DATE 03/07/2013					



**NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):**CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-24 CAT D VISIBILITY TO 1 3/4 MILE.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHTABULA, OH ALTIMETER SETTING AND INCREASE ALL MDA 100 FT; INCREASE S-24 CATS C AND D VISIBILITY AND CIRC CAT D VISIBILITY 1/4 MILE.****CHART NOTE: NIGHT LANDING: RWY 2, 20 NA.**

QUALITY
6
CHECKED

CITY AND STATE

ERIE, PA

ELEVATION: 732**TDZE: 730**

AIRPORT NAME:

ERIE INTL/TOM RIDGE FIELD

FACILITY
IDENTIFIER:**CQD**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 24, AMDT 20

26 MAY 2016

SUP:

AMDT: **19**DATED: **03/07/2013**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES													MISSED APPROACH																	
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW10																		
ECEDI (IF/IAF)			HOGUL (FB)			103.94 / 7.00			3500			CLIMB TO 4000 DIRECT YOLBU AND HOLD.																		
HOGUL (FAF)			IWTOJ/3.00 NM TO RW10 (FB)			104.04 / 2.80																								
IWTOJ/3.00 NM TO RW10			RW10 (MAP) (FO)			104.04 / 3.00																								
RW10 (MAP)			2003 MSL			104.04																								
2003 MSL			YOLBU (FO)						4000			ADDITIONAL FLIGHT DATA: HOLD E, RT, 284.31 INBOUND. CHART FAS OBST: 1819 TREE 405942N/0760038W DISTANCE TO THLD FROM 461 HAT: 1.29 NM. CHART VDP AT 1.22 MILES TO RW10* *LNAV ONLY. WAAS CHANNEL # 86240 REFERENCE PATH ID: W10A CHART CIRCLING ICON. LTP HAE: 453.7 M																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																														
2. HOLD W ECEDI, RT, 103.94 INBOUND, 4100 FT. IN LIEU OF PT (IAF)																														
3. FAC: 104.04 FAF: HOGUL DIST FAF TO MAP: 5.80 THLD: 5.80																														
4. MIN. ALT: ECEDI 4100, HOGUL 3500, IWTOJ/3.00 NM TO RW10 2600*																														
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																														
6. MIN GS INCPT: 3500 GS ALT AT: HOGUL 3500 OM: _____ MM: _____ IM: _____																														
7. GS ANGLE: 3.00 TCH: 56.3 34:1 IS NOT CLEAR																														
8. MSA FROM: _____																														
MAG VAR: 10W EPOCH YEAR: 1980																														
MINIMUMS																														
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT													ALTERNATE: N A			STANDARD @														
CATEGORY =====>		A			B			C			D			E																
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA															
LPV DA	2064	1 1/2	461	2064	1 1/2	461	2064	1 1/2	461	2064	1 1/2	461																		
LNAV/VNAV DA	2093	1 5/8	490	2093	1 5/8	490	2093	1 5/8	490	2093	1 5/8	490																		
LNAV MDA	2080	1	477	2080	1	477	2080	1 3/8	477	2080	1 3/8	477																		
CIRCLING																2140	1	537	2380	1	777	2480	2 1/2	877	2520	3	917			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING AND ALL DA 146 FEET AND ALL MDA 160 FEET; INCREASE LPV ALL CATS VISIBILITY 1 MILE, (CONTINUED ON PAGE 2)																														
CITY AND STATE HAZLETON, PA				ELEVATION: 1603 TDZE: 1603 AIRPORT NAME: HAZLETON RGNL				FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 2 26 MAY 2016						SUP: AMDT: 1A DATED 05/29/2014													



RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

INCREASE LNAV/VNAV ALL CATS VISIBILITY 7/8 MILE, INCREASE LNAV CATS C/D VISIBILITY 3/8 MILE, AND INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (VGSI ANGLE{ANGLE}/TCH{FEET})

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	014/30 CW 194/30 (NOPT)	ECEDI (IF/IAF) (FB)	4100
2.	194/30 CW 014/30	ECEDI (IF/IAF) (FO)	4100

QUALITY
16
CHECKED

CITY AND STATE

HAZLETON, PA

ELEVATION: 1603

TDZE: 1603

AIRPORT NAME:

HAZLETON RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, AMDT 2

26 MAY 2016

SUP:

AMDT: 1A

DATED: 05/29/2014

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHZL
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	405914.1560N
LTP/FTP LONGITUDE	0760013.4500W
LTP/FTP ELLIPSOIDAL HEIGHT	+04537
FPAP LATITUDE	405907.7340N
FPAP LONGITUDE	0755816.1035W
THRESHOLD CROSSING HEIGHT (TCH)	00056.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 654B4D57

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04863
FPAP ORTHOMETRIC HEIGHT	+04863

QUALITY
16
CHECKED

CITY AND STATE HAZLETON, PA	ELEVATION: 1603 AIRPORT NAME: HAZLETON RGNL	TDZE: 1603 HAZLETON RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 2 26 MAY 2016	SUP:
					AMDT: 1A
					DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KHZL

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ECEDI	010	ECEDI	HF	FO		103.9			R			AA 04100		EE A
	010	ECEDI	IF	FB								AA 04100		E I
	020	HOGUL	TF	FB	1.0	103.9						AA 03500		E F
	021	IWTOJ	TF	FB	0.3	104.0		3.00				AA 02600 GS 02607		E S
	030	RW10	TF	FO	0.3	104.0		3.00				AT 01652		GY M
	040		CA	FB		104.0						AA 02003		M
	050	YOLBU	DF	FO								AA 04000		EY
	060	YOLBU	HM	FO		284.3			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ECEDI	N410008.18	W0761705.52
HOGUL	N405938.94	W0760752.17
IWTOJ	N405927.03	W0760410.53
YOLBU	N405814.09	W0754217.88

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW10	N405914.16	W0760013.45	01596	56.3

QUALITY
16
CHECKED

CITY AND STATE HAZLETON, PA	ELEVATION: 1603 TDZE: 1603 AIRPORT NAME: HAZLETON RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 2 26 MAY 2016	SUP:
				AMDT: 1A
				DATED: 05/29/2014

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 4100 DIRECT ECEDI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 103.94 INBOUND. CHART FAS OBST: 1939 TREE 405825N/0755604W DISTANCE TO THLD FROM 362 HAT: 1.04 NM. CHART VDP AT 1.67 MILES TO RW28* *LNAV ONLY. WAAS CHANNEL # 50140 REFERENCE PATH ID: W28A CHART CIRCLING ICON. LTP HAE: 453.7 M									
YOLBU (IF/IAF)			JOVKU (FB)			284.31 / 6.95			3500												
JOVKU (FAF)			EUMIG/3.00 NM TO RW28 (FB)			284.21 / 2.86															
EUMIG/3.00 NM TO RW28			RW28 (MAP) (FO)			284.21 / 3.00															
RW28 (MAP)			1965 MSL			284.21			4100												
1965 MSL			ECEDI (FO)																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E YOLBU, RT, 284.31 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 284.21 FAF: JOVKU DIST FAF TO MAP: 5.86 THLD: 5.86 4. MIN. ALT: YOLBU 4000, JOVKU 3500, EUMIG/3.00 NM TO RW28 2580* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3500 GS ALT AT: JOVKU 3500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____																		MAG VAR: 10W		EPOCH YEAR: 1980	
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT									ALTERNATE: N A			STANDARD @									
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
LPV DA	1965	1	362	1965	1	362	1965	1	362	1965	1	362									
LNAV/VNAV DA	2141	1 5/8	538	2141	1 5/8	538	2141	1 5/8	538	2141	1 5/8	538									
LNAV MDA	2200	1	597	2200	1	597	2200	1 3/8	597	2200	1 3/8	597									
CIRCLING	2200	1	597	2380	1	777	2480	2 1/2	877	2520	3	917									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING AND ALL DA 146 FT AND ALL MDA 160 FEET; INCREASE LPV ALL CATS VISIBILITY 1/2 MILE, (CONTINUED ON PAGE 2)																					
CITY AND STATE				ELEVATION: 1603 TDZE: 1603				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
HAZLETON, PA				AIRPORT NAME:								RNAV (GPS) RWY 28, AMDT 1				AMDT: ORIG-A					
				HAZLETON RGNL								26 MAY 2016				DATED 05/29/2014					



**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

INCREASE LNAV/VNAV ALL CATS VISIBILITY 7/8 MILE, INCREASE LNAV CATS C/D VISIBILITY 1/2 MILE, AND INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALS, INCREASE LPV ALL CATS VISIBILITY TO 1 1/4 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 7/8 AND LNAV CATS C/D VISIBILITY TO 1 3/4 MILE. INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A/B.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (VGSI ANGLE{ANGLE}/TCH{FEET})

CHART NOTE: FOR INOPERATIVE MALS WHEN USING WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 3/4 MILE, AND LNAV CAT B TO 1 1/4 MILE AND CATS C/D VISIBILITY TO 2 MILES. INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV OR LNAV CAT A.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING WILKS-BARRE/SCRANTON INTL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	194/30 CW 014/30 (NOPT)	YOLBU (IF/IAF) (FB)	4000
2.	014/30 CW 194/30	YOLBU (IF/IAF) (FO)	4000

QUALITY
16
CHECKED

CITY AND STATE HAZLETON, PA	ELEVATION: 1603 AIRPORT NAME: HAZLETON RGNL	TDZE: 1603 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 26 MAY 2016	SUP:
				AMDT: ORIG-A
				DATED: 05/29/2014

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHZL
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	405910.6775N
LTP/FTP LONGITUDE	0755909.7530W
LTP/FTP ELLIPSOIDAL HEIGHT	+04537
FPAP LATITUDE	405917.0800N
FPAP LONGITUDE	0760107.1030W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

6941A3D1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04862
FPAP ORTHOMETRIC HEIGHT	+04862

QUALITY
16
CHECKED

CITY AND STATE

HAZLETON, PA

ELEVATION: 1603

TDZE: 1603

AIRPORT NAME:

HAZLETON RGNL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 1

26 MAY 2016

SUP:

AMDT: ORIG-A

DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KHZL

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
YOLBU	010	YOLBU	HF	FO		284.3			R			AA 04000		EE A
	010	YOLBU	IF	FB								AA 04000		E I
	020	JOVKU	TF	FB	1.0	284.3						AA 03500		E F
	021	EUMIG	TF	FB	0.3	284.2		3.00				AA 02580 GS 02591		E S
	030	RW28	TF	FO	0.3	284.2		3.00				AT 01635		GY M
	040		CA	FB		284.2						AA 01965		M
	050	ECEDI	DF	FO								AA 04100		EY
	060	ECEDI	HM	FO		103.9			R			AA 04100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ECEDI	N410008.18	W0761705.52
EUMIG	N405857.64	W0755512.70
JOVKU	N405845.11	W0755127.12
YOLBU	N405814.09	W0754217.88

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW28	N405910.68	W0755909.75	01595	40

QUALITY
16
CHECKED

CITY AND STATE HAZLETON, PA	ELEVATION: 1603 TDZE: 1603	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 26 MAY 2016	SUP:
	AIRPORT NAME: HAZLETON RGNL	RNAV		AMDT: ORIG-A
				DATED: 05/29/2014

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 3700 THEN CLIMBING RIGHT TURN TO 6000 DIRECT USETY AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 3335 TREE 430928N/1014312W DISTANCE TO THLD FROM 339 HAT: 0.99 NM. WAAS CHANNEL # 70738 REFERENCE PATH ID: W32A CHART CIRCLING ICON. CHART PINE RIDGE ASOS. LTP HAE: 979.3 M									
USETY (IF/IAF)		VUGGI (FB)		320.18 / 6.10				5000											
VUGGI (FAF)		JESIP/2.50 NM TO RW32 (FB)		320.13 / 2.78															
JESIP/2.50 NM TO RW32		RW32 (MAP) (FO)		320.13 / 2.50															
RW32 (MAP)		3700 MSL		320.13				6000											
3700 MSL		USETY (FO)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE USETY, RT, 320.18 INBOUND, 6000 FT. IN LIEU OF PT (IAF) 3. FAC: 320.13 FAF: VUGGI DIST FAF TO MAP: 5.28 THLD: 5.28 4. MIN. ALT: USETY 6000, VUGGI 5000, JESIP/2.50 NM TO RW32 4100* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 5000 GS ALT AT: VUGGI 5000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 6E		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		☒ X									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	3633	1 1/4	339	3633	1 1/4	339	3633	1 1/4	339		NA								
LNAV/VNAV DA	3633	1 1/4	339	3633	1 1/4	339	3633	1 1/4	339		NA								
LNAV MDA	3680	1	386	3680	1	386	3680	1 1/8	386		NA								
CIRCLING	3860	1	565	3920	1	625	4100	2 1/4	805		NA								
NOTES: CHART NOTE: USE PINE RIDGE ALTIMETER SETTING. CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).																			
CITY AND STATE		ELEVATION: 3295 TDZE: 3294				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: GPS RWY 32							
MARTIN, SD		AIRPORT NAME:				RNAV		RNAV (GPS) RWY 32, ORIG 26 MAY 2016				AMDT: ORIG-C							
		MARTIN MUNI										DATED 09/17/2015							



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA

	FROM	TO	ALT
1.	230/30 CW 050/30 (NOPT)	USETY (IF/IAF) (FB)	6000
2.	050/30 CW 230/30	USETY (IF/IAF) (FO)	6000

QUALITY
23
CHECKED

CITY AND STATE MARTIN, SD	ELEVATION: 3295 TDZE: 3294 AIRPORT NAME: MARTIN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 26 MAY 2016	SUP: GPS RWY 32
				AMDT: ORIG-C
				DATED: 09/17/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	9V6
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	430941.1810N
LTP/FTP LONGITUDE	1014231.7900W
LTP/FTP ELLIPSOIDAL HEIGHT	+09793
FPAP LATITUDE	431055.1280N
FPAP LONGITUDE	1014339.7480W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 88D642E4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+09990
FPAP ORTHOMETRIC HEIGHT	+09990

QUALITY
23
CHECKED

CITY AND STATE MARTIN, SD	ELEVATION: 3295 AIRPORT NAME: MARTIN MUNI	TDZE: 3294 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 26 MAY 2016	SUP: GPS RWY 32
				AMDT: ORIG-C
				DATED: 09/17/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 9V6

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
USETY	010	USETY	HF	FO		320.2			R			AA 06000		EE A
	010	USETY	IF	FB								AA 06000		E I
	020	VUGGI	TF	FB	1.0	320.2						AA 05000		E F
	021	JESIP	TF	FB	0.3	320.1		3.00				AA 04100 GS 04113		E S
	030	RW32	TF	FO	0.3	320.1		3.00				AT 03318		GY M
	040		CA	FB		320.1						AA 03700		M
	050	USETY	DF	FO					R			AA 06000		EY
	060	USETY	HM	FO		320.2			R			AA 06000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JESIP	N430736.67	W1014037.49
USETY	N430014.12	W1013352.51
VUGGI	N430518.04	W1013830.41

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32	N430941.18	W1014231.79	03278	40

QUALITY
6
CHECKED

CITY AND STATE MARTIN, SD	ELEVATION: 3295 TDZE: 3294 AIRPORT NAME: MARTIN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 26 MAY 2016	SUP: GPS RWY 32
				AMDT: ORIG-C
				DATED: 09/17/2015

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
MARTIN, SD.	MARTIN MUNI	26 MAY 2016	ORIG

TAKEOFF MINIMUMS:

RWY 14, 32: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, LT SUPPORT STRUCTURE 9 FT FROM DER, 20 FT LEFT OF CENTERLINE, 3280 FT MSL. LT SUPPORT STRUCTURE 10 FT FROM DER, 9 FT RIGHT OF CENTERLINE, 3278 FT MSL. GROUND 13 FT FROM DER, 408 FT LEFT OF CENTERLINE, 3282 FT MSL. GROUND 27 FT FROM DER, 199 FT LEFT OF CENTERLINE, 15 FT AGL/3282 FT MSL. FENCE AND GROUND BEGINNING 74 FT FROM DER, 219 FT LEFT OF CENTERLINE, UP TO 3287 FT MSL. VEHICLE ON ROAD 145 FT FROM DER, 289 FT RIGHT OF CENTERLINE, 15 FT AGL/3283 FT MSL.

NOTE: RWY 32, BUILDING, POLE, GROUND AND, VEHICLE ON ROAD, BEGINNING 1 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/3317 MSL. TREE 1083 FT FROM DER, 19 FT LEFT OF CENTERLINE, 3322 FT MSL. TREE 1095 FT FROM DER, 387 FT RIGHT OF CENTERLINE, 3382 FT MSL. TREE 1172 FT FROM DER, 130 FT LEFT OF CENTERLINE, 3340 FT MSL. TREE AND POLE BEGINNING 1270 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 3341 FT MSL. TREE 1315 FT FROM DER, 219 FT LEFT OF CENTERLINE, 3343 FT MSL. POLES AND TREES BEGINNING 1366 FT FROM DER, 174 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/3349 FT MSL. TREES BEGINNING 1463 FT FROM DER, 94 FT RIGHT OF CENTERLINE, UP TO 3334 FT MSL. POLES AND TREES BEGINNING 1481 FT FROM DER, 406 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/3350 FT MSL.

CONTROLLING OBSTACLES:



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
MARTIN, SD.	MARTIN MUNI	26 MAY 2016	ORIG

REMARKS:

FLIGHT INSPECTED BY:

NATE CHOTT

Digitally signed by
JACOB POWERS
Apr 18, 2016

3/15/2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

ROBERT W. COOK

Digitally signed by
JACOB POWERS
Apr 18, 2016

AJV-5411

12/22/2015

APPROVED BY:

MARLON ROBINSON

Digitally signed by
JACOB POWERS
Apr 18, 2016

AJV-5410

COORDINATED WITH:

ALPA, AOPA, NBAA, ZDV, AMGR.

CHANGES:

REASONS:

QUALITY
23
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																			
CITY AND STATE BEAUMONT/PORT ARTHUR, TX				ELEVATION: 15 AIRPORT NAME: Jack Brooks Rgnl				TDZE:		FACILITY IDENTIFIER: BPT		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR-A, AMDT 6B, 08/26/2010				SUP AMDT 6A DATE 03/08/1990			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																			
CITY AND STATE BEAUMONT/PORT ARTHUR, TX				ELEVATION: 15 AIRPORT NAME: Jack Brooks Rgnl				TDZE:		FACILITY IDENTIFIER: BPT				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR-B, AMDT 6B, 08/26/2010				SUP AMD'T 6A DATE 03/08/1990	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE									
										ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																			
2. _____																			
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____																			
4. MIN. ALT ____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																			
CITY AND STATE BEAUMONT/PORT ARTHUR, TX				ELEVATION: 15 TDZE: AIRPORT NAME: Jack Brooks Rgnl				FACILITY IDENTIFIER: BPT		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR-C, AMDT 5B, 08/26/2010						SUP AMD'T 5A DATE 03/08/1990			



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 4.70 MILES AFTER CEVUS INT/I-CRP 6.61 DME/RADAR OR AT HALVU/I-CRP 1.91 DME FIX					
CRP VORTAC		CEVUS INT/I-CRP 6.61 DME/RADAR		233.09 / 8.23				2100		CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 132 AND CRP VORTAC R-169 TO SOLON INT/CRP VORTAC 28.00 DME AND HOLD.					
SKIDS INT/CRP VORTAC 26.00 DME (IAF)		JAGRU INT/I-CRP 12.41 DME		182.00 / 9.23 (HDG) & 131.81 / 11.98 (I-CRP)				2100							
JAGRU INT/I-CRP 12.41 DME (IF)		CEVUS INT/I-CRP 6.61 DME/RADAR		131.81 / 5.80 (I-CRP)				1700							
										ADDITIONAL FLIGHT DATA: HOLD S, LT, 349.00 INBOUND. CHART FAS OBST: 131 POLE 274801N/0973209W CHART VDP AT 2.53 DME* DISTANCE VDP TO THLD 0.95 MILES. *LOC ONLY. CHART (CFCDW) AT INTERSECTION OF SKIDS DR LEG AND INTERMEDIATE COURSE. CHART CIRCLING ICON. CHART: KNGW IN PLANVIEW. CHART: 07TE IN PLANVIEW.					
1. PT <u>L</u> SIDE OF COURSE <u>311.81</u> OUTBOUND <u>2100</u> FT WITHIN <u>15</u> MILES OF <u>CEVUS</u> (IAF)										MAG VAR: 4E EPOCH YEAR: 2015					
2.															
3. FAC: <u>131.81</u> FAF: <u>CEVUS INT/I-CRP 6.61 DME/RADAR</u> DIST FAF TO MAP: <u>4.70</u> THLD: <u>5.04</u>															
4. MIN. ALT: <u>CEVUS 1700, DOMIW INT/I-CRP 3.58 DME 720*</u>															
5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1025</u>															
6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>CEVUS 1700</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>49.5</u>															
8. MSA FROM: <u>CRP VORTAC 2200</u>															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @							
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 13**	246	2400	200	246	2400	200	246	2400	200	246	2400	200	246	2400	200
S-LOC 13	400	2400	354	400	2400	354	400	3000	354	400	3000	354	400	3000	354
CIRCLING	500	1	454	580	1	534	820	2 1/4	774	820	2 1/2	774	820	2 3/4	774
NOTES: *LOC ONLY CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 13 CAT E VISIBILITY TO RVR 4000 AND S-LOC 13 CATS C/D/E VISIBILITY TO RVR 5500. CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART PROFILE NOTE: USE I-CRP DME WHEN ON THE LOCALIZER COURSE.															
CITY AND STATE CORPUS CHRISTI, TX		ELEVATION: 46 TDZE: 46 AIRPORT NAME: CORPUS CHRISTI INTL		FACILITY IDENTIFIER: I-CRP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 28, 05/26/2016				SUP: AMDT: 27C DATED 02/05/2015					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
25
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46	TDZE: 46	FACILITY IDENTIFIER: I-CRP	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 28, 05/26/2016	SUP:
	AIRPORT NAME:				AMDT: 27C
	CORPUS CHRISTI INTL				DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KCRP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CRP	010	CRP	IF	FB										V
CRP	020	CEVUS	TF	FB								AA 02100		E
CRP	030	CEVUS	PI	FB		266.8	ICRP		R			AA 02100		EE A
SKIDS	010	SKIDS	IF	FB										E A
SKIDS	020	CFCDW	TF	FB								AA 02100		E
SKIDS	030	JAGRU	CF	FB		131.8	ICRP					AA 02100		EE B
	010	JAGRU	IF	FB			ICRP					AA 02100 GI 01700		E I
	020	CEVUS	CF	FB		132.0	ICRP	3.00		CRP		GI 01700 GS 01700		E F
	030	RW13	CF	FO		132.0	ICRP	3.00				AT 00096		GY M
	040		CA	FB		131.8						AA 00500		M
	050		VI	FB		132.0								
	060	SOLON	CF	FO		169.2	CRP					AA 02000		EY
	070	SOLON	HM	FO		349.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CRP	N275413.56	W0972641.57
ICRP (DME)	N274534.54	W0972943.82
SKIDS	N281219.57	W0974750.58
SOLON	N272609.77	W0972541.57
CEVUS	N275021.60	W0973453.67
CFCDW	N280308.65	W0974855.85
JAGRU	N275431.46	W0973927.48
ICRP (LOC)	N274536.24	W0972941.59

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW13	N274644.31	W0973055.98	00046	49.5

QUALITY
15
CHECKED

CITY AND STATE
CORPUS CHRISTI, TX

ELEVATION: 46 TDZE: 46
AIRPORT NAME:
CORPUS CHRISTI INTL

FACILITY
IDENTIFIER:
I-CRP

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 13, AMDT 28
5/26/2016

SUP:
AMDT: 27C
DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KCRP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CRP	010	CRP	IF	FB										V
CRP	020	CEVUS	TF	FB								AA 02100		E
CRP	030	CEVUS	PI	FB		266.8	ICRP		R			AA 02100		EE A
SKIDS	010	SKIDS	IF	FB										E A
SKIDS	020	CFCDW	TF	FB								AA 02100		E
SKIDS	030	JAGRU	CF	FB		131.8	ICRP					AA 02100		EE B
	010	JAGRU	IF	FB			ICRP					AA 02100		E I
	020	CEVUS	CF	FB		132.0	ICRP			CRP		AA 01700		E F
	021	DOMIW	CF	FB		132.0	ICRP	3.01				AA 00720		E S
	030	HALVU	CF	FO		132.0	ICRP	3.01				AT 00203		EY M
	040		CA	FB		131.8						AA 00500		M
	050		VI	FB		132.0								
	060	SOLON	CF	FO		169.2	CRP					AA 02000		EY
	070	SOLON	HM	FO		349.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CRP	N275413.56	W0972641.57
ICRP (DME)	N274534.54	W0972943.82
SKIDS	N281219.57	W0974750.58
SOLON	N272609.77	W0972541.57
CEVUS	N275021.60	W0973453.67
CFCDW	N280308.65	W0974855.85
DOMIW	N274810.58	W0973230.30
HALVU	N274658.77	W0973111.78
JAGRU	N275431.46	W0973927.48
ICRP (LOC)	N274536.24	W0972941.59

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW13	N274644.31	W0973055.98	00046	49.5

QUALITY
15
CHECKED

CITY AND STATE
CORPUS CHRISTI, TX

ELEVATION: **46** TDZE: **46**
AIRPORT NAME:
CORPUS CHRISTI INTL

FACILITY
IDENTIFIER:
I-CRP

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 13, AMDT 28, 5/26/2016

SUP:

AMDT: **27C**DATED: **02/05/2015**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		MAP: 5.05 MILES AFTER JUSTO INT/I-EKI 4.71 DME/RADAR OR AT I-EKI 0.34 DME FIX					
CRP VORTAC		JUSTO INT/I-EKI 4.71 DME/RADAR			168.04 / 11.99			2200		CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 335.00 AND CRP VORTAC R-287 TO ATHIS INT/CRP VORTAC 23.26 DME AND HOLD.					
ZULEX/I-EKI 11.88 DME (IF)		JUSTO INT/I-EKI 4.71 DME/RADAR			311.82 / 7.17 (I-EKI)			1700							
										ADDITIONAL FLIGHT DATA: HOLD W, RT, 106.98 INBOUND. CHART FAS OBST: 105 POLE 274343N/0972719W CHART VDP AT 0.63 DME DISTANCE VDP TO THLD 0.97 MILES. CHART 2200 PRIOR TO JUSTO IN PROFILE. PINRR TO RW31: 3.35/50. CHART CIRCLING ICON. CHART: KNGP IN PLANVIEW. CHART: 07TE IN PLANVIEW. CHART: KNWL IN PLANVIEW. CHART: KNGW IN PLANVIEW AND PROFILE VIEW. CHART IN PROFILE VIEW: I-EKI DME ANTENNA.					
1. PT <u>R</u> SIDE OF COURSE <u>131.82</u> OUTBOUND <u>2000</u> FT WITHIN <u>15</u> MILES OF <u>JUSTO</u> (IAF)										MAG VAR: 4E EPOCH YEAR: 2015					
2.															
3. FAC <u>311.82</u> FAF <u>JUSTO INT/I-EKI 4.71 DME/RADAR</u> DIST FAF TO MAP <u>5.05</u> THLD <u>5.05</u>															
4. MIN. ALT <u>JUSTO 1700, PINRR/I-EKI 3.06 DME/RADAR 1300</u>															
8. MSA FROM: <u>CRP VORTAC 2200</u>															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-LOC 31	400	1/2	357	400	1/2	357	400	5/8	357	400	5/8	357	400	5/8	357
CIRCLING	500	1	454	580	1	534	820	2 1/4	774	820	2 1/2	774	820	2 3/4	774
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 31 CATS C/D/E VISIBILITY TO 1 MILE. CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT ZULEX.															
@ CAT C 800-2 1/4, CAT D 800-2 1/2, CAT E 800-2 3/4															
CITY AND STATE CORPUS CHRISTI, TX		ELEVATION: 46 AIRPORT NAME: CORPUS CHRISTI INTL		TDZE: 43		FACILITY IDENTIFIER: I-EKI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 31, AMDT 9, 05/26/2016				SUP AMDT 8B DATE 02/05/2015			



**LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
25
CHECKED

CITY AND STATE

CORPUS CHRISTI, TX

ELEVATION: 46

TDZE: 43

AIRPORT NAME:

CORPUS CHRISTI INTL

FACILITY
IDENTIFIER:

I-EKI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 31, AMDT 9, 05/26/2016

SUP:

AMDT: 8B

DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KCRP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CRP	010	CRP	IF	FB										V
CRP	020	JUSTO	TF	FB								AA 02200		E
CRP	030	JUSTO	PI	FB		176.8	IEKI		L			AA 02000		EE A
	010	ZULEX	IF	FB			IEKI					AA 02000		E I
	020	JUSTO	CF	FB		312.0	IEKI			CRP		AA 01700		E F
	021	PINRR	CF	FB		312.0	IEKI	3.35				AA 01300		E S
	030	RW31	CF	FO		312.0	IEKI	3.35				AT 00092		GY M
	040		CA	FB		311.8						AA 00700		M
	050		VI	FB		335.0								
	060	ATHIS	CF	FO		287.0	CRP					AA 02000		EY
	070	ATHIS	HM	FO		107.0			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CRP	N275413.56	W0972641.57
IEKI (DME)	N274534.54	W0972943.82
ATHIS	N280424.46	W0975019.74
JUSTO	N274212.99	W0972559.75
PINRR	N274324.26	W0972717.51
ZULEX	N273703.39	W0972022.47
IEKI (LOC)	N274651.45	W0973103.79

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N274550.99	W0972957.71	00042	50

QUALITY
15
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 TDZE: 43	FACILITY IDENTIFIER: I-EKI	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: LOC RWY 31, AMDT 9, 05/26/2016	SUP:
	AIRPORT NAME: CORPUS CHRISTI INTL			AMDT: 8B
				DATED: 02/05/2015

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW31					
WORRY		FAPMA (FB)		163.10 / 27.19				2000		CLIMB TO 2000 DIRECT ATTHIS AND HOLD.					
SKIDS		ZULEX (FO)		141.22 / 42.77				2000							
SOLON (IAF)		ZULEX (NOPT) (FB)		019.50 / 11.85				2000							
FAPMA (IAF)		ZULEX (NOPT) (FB)		249.98 / 11.00				2000							
ZULEX (IF/IAF)		JUSTO (FB)		311.89 / 7.17				1700							
JUSTO (FAF)		PINRR/3.40 NM TO RW31 (FB)		311.85 / 1.65						ADDITIONAL FLIGHT DATA: HOLD W, RT, 110.00 INBOUND. CHART FAS OBST: 234 TOWER 274457N/0972818W CHART VDP AT 1.28 MILES TO RW31. PINRR TO RW31: 3.35/50. CHART CIRCLING ICON. CHART: KNGW IN PLAN AND PROFILE VIEWS. CHART: 07TE IN PLANVIEW CHART: KNWL IN PLANVIEW. CHART: KNGP IN PLANVIEW.					
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4E EPOCH YEAR: 2015					
2. HOLD SE ZULEX, RT, 311.89 INBOUND, 2000 FT. IN LIEU OF PT (IAF)															
3. FAC: 311.85 FAF: JUSTO DIST FAF TO MAP: 5.05 THLD: 5.05															
4. MIN. ALT: ZULEX 2000, JUSTO 1700, PINRR/3.40 NM TO RW31 1300															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____															
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR															
8. MSA FROM: RW31 2200															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	500	1/2	457	500	1/2	457	500	7/8	457	500	7/8	457	500	7/8	457
CIRCLING	500	1	454	580	1	534	820	2 1/4	774	820	2 1/2	774	820	2 3/4	774
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WORRY ON V13-V407 NORTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SKIDS ON V163 NORTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOLON ON V13-20-163 SOUTHBOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE CORPUS CHRISTI, TX		ELEVATION: 46 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) X RWY 31, ORIG, 05/26/2016				SUP: AMDT: NONE DATED			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PINRR/3.40 NM TO RW31	RW31 (MAP) (FO)	311.85 / 3.40	
RW31 (MAP)	446 MSL	311.85	
446 MSL	ATHIS (FO)		2000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT E VISIBILITY TO 1 3/8 MILE.

QUALITY
25
CHECKED

CITY AND STATE
CORPUS CHRISTI, TX

ELEVATION: 46 TDZE: 43
AIRPORT NAME:
CORPUS CHRISTI INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) X RWY 31, ORIG, 05/26/2016

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KCRP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SKIDS	010	SKIDS	IF	FB										E
SKIDS	020	ZULEX	TF	FO	2.0	141.2						AA 02000		EY
SKIDS	030	ZULEX	HF	FO		311.9			R			AA 02000		EE A
SOLON	010	SOLON	IF	FB										E A
SOLON	020	ZULEX	TF	FB	1.0	019.5						AA 02000		EE B
WORRY	010	WORRY	IF	FB										E
WORRY	020	FAPMA	TF	FB	2.0	163.1						AA 02000		E A
WORRY	030	ZULEX	TF	FB	1.0	250.0						AA 02000		EE B
	010	ZULEX	IF	FB								AA 02000		E I
	020	JUSTO	TF	FB	1.0	311.9				RW31		AA 01700		E F
	021	PINRR	TF	FB	0.3	311.9		3.35				AA 01300 GS 01301		E S
	030	RW31	TF	FO	0.3	311.9		3.35				AT 00092		GY M
	040		CA	FB		311.9						AA 00446		M
	050	ATHIS	DF	FO								AA 02000		EY
	060	ATHIS	HM	FO		110.0			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ATHIS	N280424.46	W0975019.74
FAPMA	N274006.52	W0970828.32
JUSTO	N274212.99	W0972559.75
PINRR	N274324.26	W0972717.51
SKIDS	N281219.57	W0974750.58
SOLON	N272609.77	W0972541.57
WORRY	N280641.17	W0971518.36
ZULEX	N273703.39	W0972022.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N274550.99	W0972957.71	00042	50



CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46	TDZE: 43	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) X RWY 31, ORIG, 05/26/2016	SUP:
	AIRPORT NAME: CORPUS CHRISTI INTL				AMDT: NONE
	DATED:				

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES																MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT SOLON AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 354.00 INBOUND. CHART FAS OBST: 164 DOME 274702N/0973040W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.01 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 97515 REFERENCE PATH ID: W13A CHART CIRCLING ICON. CHART: KNGW IN PLANVIEW. CHART: 07TE IN PLANVIEW. LTP HAE: -12.5 M											
SKIDS (IAF)				JAGRU (FB)				153.29 / 19.24				2100													
JAGRU (IF)				CEVUS (FB)				131.74 / 5.80				1700													
CEVUS (FAF)				DOMIW/2.00 NM TO RW13 (FB)				131.78 / 3.04																	
DOMIW/2.00 NM TO RW13				RW13 (MAP) (FO)				131.78 / 2.00																	
RW13 (MAP)				500 MSL				131.78				500													
500 MSL				SOLON (FO)								2000													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JAGRU 3. FAC: <u>131.78</u> FAF: <u>CEVUS</u> DIST FAF TO MAP: <u>5.04</u> THLD: <u>5.04</u> 4. MIN. ALT: <u>JAGRU 2100, CEVUS 1700, DOMIW/2.00 NM TO RW13 720*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>CEVUS 1700</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>49.5</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW13 2200</u>																MAG VAR: 4E				EPOCH YEAR: 2015					
MINIMUMS																									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @															
CATEGORY =====>		A			B			C			D			E											
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA										
LPV DA	246	2400	200	246	2400	200	246	2400	200	246	2400	200	246	2400	200										
LNAV/VNAV DA	325	2400	279	325	2400	279	325	2400	279	325	2400	279	325	2400	279										
LNAV MDA	420	2400	374	420	2400	374	420	3500	374	420	3500	374	420	3500	374										
CIRCLING	500	1	454	580	1	534	820	2 1/4	774	820	2 1/2	774	820	2 3/4	774										
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1C (31F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SKIDS ON V163 NORTHWEST BOUND. (CONTINUED ON PAGE 2)																									
CITY AND STATE CORPUS CHRISTI, TX				ELEVATION: 46 TDZE: 46 AIRPORT NAME: CORPUS CHRISTI INTL				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 13, AMDT 2, 05/26/2016				SUP:									
																AMDT: 1C									
																DATED 02/05/2015									

QUALITY
 25
 CHECKED

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, AND LNAV CATS C/D/E VISIBILITY TO RVR 5500.



CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 AIRPORT NAME: CORPUS CHRISTI INTL	TDZE: 46	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 13, AMDT 2, 05/26/2016	SUP:
					AMDT: 1C
					DATED: 02/05/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	274644.3090N
LTP/FTP LONGITUDE	0973055.9790W
LTP/FTP ELLIPSOIDAL HEIGHT	-00125
FPAP LATITUDE	274540.2415N
FPAP LONGITUDE	0972945.9710W
THRESHOLD CROSSING HEIGHT (TCH)	00049.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	<u>DATA</u>
	CAD5D4C9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00141
FPAP ORTHOMETRIC HEIGHT	+00141

QUALITY
25
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 TDZE: 46 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 13, AMDT 2, 05/26/2016	SUP:
				AMDT: 1C
				DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KCRP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SKIDS	010	SKIDS	IF	FB										E A
SKIDS	020	JAGRU	TF	FB	1.0	153.3						AA 02100		EE B
	010	JAGRU	IF	FB								AA 02100		E I
	020	CEVUS	TF	FB	1.0	131.7				RW13		AA 01700		E F
	021	DOMIW	TF	FB	0.3	131.8		3.00				AA 00720 GS 00732		E S
	030	RW13	TF	FO	0.3	131.8		3.00				AT 00096		GY M
	040		CA	FB		131.8						AA 00500		M
	050	SOLON	DF	FO					R			AA 02000		EY
	060	SOLON	HM	FO		354.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CEVUS	N275021.60	W0973453.67
DOMIW	N274810.58	W0973230.30
JAGRU	N275431.46	W0973927.48
SKIDS	N281219.57	W0974750.58
SOLON	N272609.77	W0972541.57

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW13	N274644.31	W0973055.98	00046	50

QUALITY
25
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 TDZE: 46	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 13, AMDT 2, 05/26/2016	SUP:
	AIRPORT NAME: CORPUS CHRISTI INTL			AMDT: 1C
				DATED: 02/05/2015

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 2000 DIRECT ATTHIS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 110.00 INBOUND. CHART FAS OBST: 234 TOWER 274457N/0972818W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.28 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 60914 REFERENCE PATH ID: W31A CHART CIRCLING ICON. CHART: KNGW IN PLANVIEW AND PROFILE VIEWS. CHART: 07TE IN PLANVIEW. CHART: KNWL IN PLANVIEW. CHART: KNGP IN PLANVIEW. LTP HAE: -13.9 M					
WORRY		FAPMA (FB)		163.10 / 27.19				2000							
SKIDS		ZULEX (FO)		141.22 / 42.77				2000							
SOLON (IAF)		ZULEX (NOPT) (FB)		019.50 / 11.85				2000							
FAPMA (IAF)		ZULEX (NOPT) (FB)		249.98 / 11.00				2000							
ZULEX (IF/IAF)		JUSTO (FB)		311.89 / 7.17				1700							
JUSTO (FAF)		RW31 (MAP) (FO)		311.85 / 5.05											
RW31 (MAP)		243 MSL		311.85											
243 MSL		ATHIS (FO)						2000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE ZULEX, RT, 311.89 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 311.85 FAF: JUSTO DIST FAF TO MAP: 5.05 THLD: 5.05 4. MIN. ALT: ZULEX 2000, JUSTO 1700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: JUSTO 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR 8. MSA FROM: RW31 2200										MAG VAR: 4E		EPOCH YEAR: 2015			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	243	1/2	200	243	1/2	200	243	1/2	200	243	1/2	200	243	1/2	200
LNAV/VNAV DA	356	5/8	313	356	5/8	313	356	5/8	313	356	5/8	313	356	5/8	313
LNAV MDA	500	1/2	457	500	1/2	457	500	7/8	457	500	7/8	457	500	7/8	457
CIRCLING	500	1	454	580	1	534	820	2 1/4	774	820	2 1/2	774	820	2 3/4	774
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1C (31F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WORRY ON V13-407 NORTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SKIDS ON V163 NORTHWEST BOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE CORPUS CHRISTI, TX		ELEVATION: 46 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31, AMDT 4, 05/26/2016				SUP:					
										AMDT: 3B					
										DATED 02/05/2015					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOLON ON V13-20-163 SOUTHBOUND.

CHART NOTE: PROCEDURE NA WHEN CABANISS FIELD TRAFFIC PATTERNS ACTIVE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO 3/4 MILE, LNAV/VNAV ALL CATS VISIBILITY TO 1 MILE, AND LNAV CAT E VISIBILITY TO 1 3/8 MILE.

QUALITY
25
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31, AMDT 4, 05/26/2016	SUP:
				AMDT: 3B
				DATED: 02/05/2015

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31, AMDT 4, 05/26/2016	SUP:
				AMDT: 3B
				DATED: 02/05/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	274550.9885N
LTP/FTP LONGITUDE	0972957.7080W
LTP/FTP ELLIPSOIDAL HEIGHT	-00139
FPAP LATITUDE	274655.0570N
FPAP LONGITUDE	0973107.7170W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	369E664E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00126
FPAP ORTHOMETRIC HEIGHT	+00126

QUALITY
25
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31, AMDT 4, 05/26/2016	SUP:
				AMDT: 3B
				DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KCRP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SKIDS	010	SKIDS	IF	FB										E
SKIDS	020	ZULEX	TF	FO	2.0	141.2						AA 02000		EY
SKIDS	030	ZULEX	HF	FO		311.9			R			AA 02000		EE A
SOLON	010	SOLON	IF	FB										E A
SOLON	020	ZULEX	TF	FB	1.0	019.5						AA 02000		EE B
WORRY	010	WORRY	IF	FB										E
WORRY	020	FAPMA	TF	FB	2.0	163.1						AA 02000		E A
WORRY	030	ZULEX	TF	FB	1.0	250.0						AA 02000		EE B
	010	ZULEX	IF	FB								AA 02000		E I
	020	JUSTO	TF	FB	1.0	311.9				RW31		AA 01700		E F
	030	RW31	TF	FO	0.3	311.9		3.00				AT 00092		GY M
	040		CA	FB		311.9						AA 00243		M
	050	ATHIS	DF	FO								AA 02000		EY
	060	ATHIS	HM	FO		110.0			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ATHIS	N280424.46	W0975019.74
FAPMA	N274006.52	W0970828.32
JUSTO	N274212.99	W0972559.75
SKIDS	N281219.57	W0974750.58
SOLON	N272609.77	W0972541.57
WORRY	N280641.17	W0971518.36
ZULEX	N273703.39	W0972022.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N274550.99	W0972957.71	00042	50

QUALITY
25
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 TDZE: 43	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 31, AMDT 4, 05/26/2016	SUP:
	AIRPORT NAME: CORPUS CHRISTI INTL			AMDT: 3B
				DATED: 02/05/2015

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA						
SKIDS		JAGRU (TF) (FB) (RNP 2.00)		153.29 / 19.24				2100		CLIMB TO 2000 ON TRACK 131.80 TO JOGAT AND TRACK 177.82 TO SOLON AND HOLD.						
JAGRU (IAF)		CEVUS (TF) (FB) (RNP 1.00)		131.74 / 5.80				1700								
COPAN (IAF)		YEHEC (TF) (FB) (RNP 1.00)		234.96 / 18.58				3000		ADDITIONAL FLIGHT DATA: HOLD S, LT, 354.00 INBOUND. DISTANCE TO THLD FROM 348 HAT: 0.95 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 2: S #TCH 95.6 MSL (DO NOT CHART) CHART: 07TE IN PLANVIEW. CHART: KNGW IN PLANVIEW.						
CEVUS (IF)		WUBAM (TF) (FB) (RNP 0.90)		131.78 / 1.88				1100								
YEHEC (IF)		ITONY (TF) (FB) (RNP 1.00)		234.09 / 3.04				2100								
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4E EPOCH YEAR: 2015						
2. PROFILE STARTS AT WUBAM																
3. FAC: 131.79 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: WUBAM 1100																
5. DIST TO THLD FROM OM: 3.15 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 1100 GS ALT AT: WUBAM 1100 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: #49.5 34:1 IS CLEAR																
8. MSA FROM: RW13 2200																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD						
CATEGORY ==>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED																
RNP 0.30 DA		394	3000	348	394	3000	348	394	3000	348	394	3000	348			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (31F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SKIDS ON V163 NORTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COPAN ON V20-70 NORTHEAST BOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE CORPUS CHRISTI, TX		ELEVATION: 46 TDZE: 46 AIRPORT NAME: CORPUS CHRISTI INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 13, AMDT 1, 05/26/2016						SUP: AMDT: ORIG-C DATED 02/05/2015				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ITONY	WUBAM (RF) (FB) (RNP 0.50)	(2.19 NM RADIUS CCW (CFBVM))/3.91	1100
WUBAM (FAF)	RW13 (MAP) (TF) (FO)	131.79 / 3.15	
RW13 (MAP)	JOGAT (TF) (FB) (RNP 1.00)	131.80 / 7.36	
JOGAT	SOLON (TF) (FO) (RNP 1.00)	177.82 / 15.24	2000

NOTES, (CONT.):

CHART SPEED ICON IN PLANVIEW AT ITONY: MAX 180 KIAS.

CHART PLANVIEW NOTE ADJACENT TO COPAN IAF: RF REQUIRED.

CHART PLANVIEW NOTE AT SKIDS: (RNP 0.90).

CHART PLANVIEW NOTE AT COPAN: (RNP 0.50).

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY
25
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46	TDZE: 46	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 13, AMDT 1, 05/26/2016	SUP:	
	AIRPORT NAME:				AMDT:	ORIG-C
	CORPUS CHRISTI INTL				DATED:	02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KCRP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
COPAN	010	COPAN	IF	FB										E A
COPAN	020	YEHEC	TF	FB	1.0							AA 03000		E B
COPAN	030	ITONY	TF	FB	1.0							AA 02100	AB 180	E
COPAN	040	WUBAM	RF	FB	0.5				L	CFBVM	02.19	AA 01100		EE
SKIDS	010	SKIDS	IF	FB										E
SKIDS	020	JAGRU	TF	FB	2.0							AA 02100		E A
SKIDS	030	CEVUS	TF	FB	1.0							AA 01700		E B
SKIDS	040	WUBAM	TF	FB	0.9							AA 01100		EE
	020	WUBAM	IF	FB						RW13		AA 01100		E F
	030	RW13	TF	FO	0.3			3.00				AT 00096		GY M
	040	JOGAT	TF	FB	1.0									E M
	050	SOLOM	TF	FO	1.0							AA 02000		EY
	060	SOLOM	HM	FO		354.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
COPAN	N280338.56	W0971203.66
SKIDS	N281219.57	W0974750.58
SOLOM	N272609.77	W0972541.57
CEVUS	N275021.60	W0973453.67
CFBVM	N275032.22	W0973138.50
ITONY	N275224.05	W0973256.89
JAGRU	N275431.46	W0973927.48
JOGAT	N274126.47	W0972508.99
WUBAM	N274900.35	W0973324.75
YEHEC	N275400.90	W0973001.89

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW13	N274644.31	W0973055.98	00046	50

QUALITY
15
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46	TDZE: 46	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 13, AMDT 1, 05/26/2016	SUP:
	AIRPORT NAME: CORPUS CHRISTI INTL				AMDT: ORIG-C
					DATED: 02/05/2015

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA						
SKIDS		EJUXO (TF) (FB) (RNP 2.00)		163.59 / 10.26				4000		CLIMB TO 2000 ON TRACK 311.81 TO ATHIS AND HOLD.						
EJUXO (IAF)		FEDEB (TF) (FB) (RNP 1.00)		163.61 / 10.71				4000								
FEDEB		ZUNER (TF) (FB) (RNP 1.00)		135.04 / 5.87				4000								
COPAN (IAF)		CUNRO (TF) (FB) (RNP 1.00)		219.04 / 20.45				4000								
CRP VORTAC (IAF) (SEE FORM 8260-10)		CUNRO (TF) (FB) (RNP 1.00)		186.00 / 5.65				4000								
										ADDITIONAL FLIGHT DATA: HOLD W, RT, 110.00 INBOUND. DISTANCE TO THLD FROM 260 HAT: 0.66 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH 91.5 MSL (DO NOT CHART) CHART: 07TE IN PLANVIEW. CHART: KNGW IN PLAN AND PROFILE VIEWS.						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT SIWOC																
3. FAC: _____ @ _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: SIWOC 2400, NIGBE 1200																
5. DIST TO THLD FROM OM: 3.48 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 1200 GS ALT AT: NIGBE 1200, QODLU 646 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: #50.0 34:1 IS CLEAR																
8. MSA FROM: RW31 2200																
MAG VAR: 4E EPOCH YEAR: 2015																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD						
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED																
RNP 0.14 DA*		303	1/2	260	303	1/2	260	303	1/2	260	303	1/2	260			
RNP 0.30 DA		384	5/8	341	384	5/8	341	384	5/8	341	384	5/8	341			
NOTES: CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 335 FEET PER NM TO 500. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (31F) OR ABOVE 54C (130F). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CRP VORTAC AIRWAY RADIALS 169 CW 184. CHART SPEED ICON IN PLANVIEW AT PIVGY : MAX 180 KIAS. (CONTINUED ON PAGE 2)																
CITY AND STATE CORPUS CHRISTI, TX		ELEVATION: 46 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 31, AMDT 1, 05/26/2016				SUP: AMDT: ORIG-D DATED 02/05/2015				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
CUNRO		RIXMU (TF) (FB) (RNP 0.50)	218.25 / 2.89	4000	
ZUNER (IF)		SIWOC (TF) (FB) (RNP 1.00)	132.75 / 8.00	2400	
RIXMU (IF)		PIVGY (TF) (FB) (RNP 0.50)	222.24 / 2.65	3200	
PIVGY		SIWOC (RF) (FB) (RNP 0.50)	(2.24 NM RADIUS CCW (CFBVL))/3.50	2400	
SIWOC		NIGBE (RF) (FB) (RNP 0.50)	(2.24 NM RADIUS CCW (CFBVL))/5.34	1200	
NIGBE (FAF)		@QODLU (RF) (FB)	(2.24 NM RADIUS CCW (CFBVL))/1.74		
QODLU		@RW31 (MAP) (TF) (FO)	311.83 / 1.74		
RW31 (MAP)		ATHIS (TF) (FO) (RNP1.00)	311.81 / 25.85	2000	
NOTES, (CONT.): CHART SPEED ICON IN PLANVIEW AT SIWOC : MAX 180 KIAS. CHART PLANVIEW NOTE AT EJUXO (CHART AT THE IAF): (RNP 0.50). CHART PLANVIEW NOTE AT COPAN: (RNP 0.50). CHART PLANVIEW NOTE AT CRP VORTAC: (RNP 0.50). CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART NOTE: GPS AND RF REQUIRED. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.14 ALL CATS VISIBILITY TO 7/8 MILE.					
CITY AND STATE CORPUS CHRISTI, TX		ELEVATION: 46 AIRPORT NAME: CORPUS CHRISTI INTL	TDZE: 43	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 31, AMDT 1, 05/26/2016
				SUP: AMDT: ORIG-D DATED: 02/05/2015	



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KCRP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
COPAN	010	COPAN	IF	FB										E A
COPAN	020	CUNRO	TF	FB	1.0							AA 04000		E
COPAN	030	RIXMU	TF	FB	0.5							AA 04000		E B
COPAN	040	PIVGY	TF	FB	0.5							AA 03200	AB 180	E
COPAN	050	SIWOC	RF	FB	0.5				L	CFBVL	02.24	AA 02400	AB 180	EE
CRP	010	CRP	IF	FB										V A
CRP	020	CUNRO	TF	FB	1.0							AA 04000		E
CRP	030	RIXMU	TF	FB	0.5							AA 04000		E B
CRP	040	PIVGY	TF	FB	0.5							AA 03200	AB 180	E
CRP	050	SIWOC	RF	FB	0.5				L	CFBVL	02.24	AA 02400	AB 180	EE
SKIDS	010	SKIDS	IF	FB										E
SKIDS	020	EJUXO	TF	FB	2.0							AA 04000		E A
SKIDS	030	FEDEB	TF	FB	1.0							AA 04000		E
SKIDS	040	ZUNER	TF	FB	1.0							AA 04000		E B
SKIDS	050	SIWOC	TF	FB	1.0							AA 02400	AB 180	EE
	010	SIWOC	IF	FB						RW31		AA 02400	AB 180	E I
	020	NIGBE	RF	FB	0.5				L	CFBVL	02.24	AA 01200		E F
	021	QODLU	RF	FB	0.3				L	CFBVL	02.24			E
	030	RW31	TF	FO	0.3			3.00				AT 00092		GY M
	040	ATHIS	TF	FO	1.0			3.00				AA 02000		EYM
	050	ATHIS	HM	FO		110.0			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CRP	N275413.56	W0972641.57
ATHIS	N280424.46	W0975019.74
COPAN	N280338.56	W0971203.66
EJUXO	N280216.54	W0974521.03
SKIDS	N281219.57	W0974750.58
CFBVL	N274301.97	W0973024.31
CUNRO	N274838.52	W0972748.01
FEDEB	N275147.29	W0974245.52
NIGBE	N274301.16	W0972752.87
PIVGY	N274439.29	W0973209.08
QODLU	N274435.89	W0972835.69
RIXMU	N274629.58	W0972959.66

QUALITY
15
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 46 TDZE: 43	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31, AMDT 1, 05/26/2016	SUP:
	AIRPORT NAME: CORPUS CHRISTI INTL			AMDT: ORIG-D
				DATED: 02/05/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE					
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33					
SIWOC	N274129.73	W0973214.71			
ZUNER	N274720.47	W0973825.18			
RUNWAYS					
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	
RW31	N274550.99	W0972957.71	00042	50	
CITY AND STATE CORPUS CHRISTI, TX		ELEVATION: 46 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31, AMDT 1, 05/26/2016	SUP: AMDT: ORIG-D DATED: 02/05/2015

QUALITY
15
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
CORPUS CHRISTI, TX	CORPUS CHRISTI INTL	05/26/2016	3

TAKEOFF MINIMUMS:

RWY 13, 18, 31, STANDARD.

RWY 36, 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 600.

TEXTUAL DEPARTURE PROCEDURES:

RWY 31 - CLIMB HEADING 311.82 TO 600 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, VEHICLES ON ROAD AND WIND CONE BEGINNING 2 FT FROM DER, 260 FT RIGHT OF CENTERLINE, UP TO 53 FT MSL. VEHICLES ON ROAD 69 FT FROM DER, 337 FT RIGHT OF CENTERLINE, 54 FT MSL.

NOTE: RWY 18, VEHICLES ON ROAD BEGINNING 301 FT FROM DER, 103 FT LEFT OF CENTERLINE, UP TO 53 FT MSL.

NOTE: RWY 31, VEHICLES ON ROAD 22 FT FROM DER, 65 FT RIGHT OF CENTERLINE, 58 FT MSL. POLES BEGINNING 765 FT FROM DER, 616 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/75 FT MSL.

NOTE: RWY 36, VEHICLES ON ROAD BEGINNING 261 FT FROM DER, 444 FT RIGHT OF CENTERLINE, UP TO 52 FT MSL. VEHICLES ON ROAD 490 FT FROM DER, 604 FT LEFT OF CENTERLINE, 54 FT MSL. LIGHT POLES BEGINNING 1217 FT FROM DER, 648 FT RIGHT OF CENTERLINE, UP TO 31 FT AGL/74 FT MSL. LIGHT POLES BEGINNING 1241 FT FROM DER, 665 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/74 FT MSL. LIGHT POLE 1294 FT FROM DER, 799 FT RIGHT OF CENTERLINE, 31 FT AGL/75 FT MSL. LIGHT POLE 1330 FT FROM DER, 850 FT LEFT OF CENTERLINE, 32 FT AGL/75 FT MSL. REFINERY 1.9 NM FROM DER, 180 FT RIGHT OF CENTERLINE, 318 FT AGL/344 FT MSL. TOWER 2.1 NM FROM DER, 3773 FT LEFT OF CENTERLINE, 401 FT AGL/423 FT MSL.

CONTROLLING OBSTACLES:

RWY 36: 423 FT MSL TOWER 274859.73N/0973031.15W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING, VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 31 - 1049 FT MSL TOWER 274429.00N/0973609.00W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
CORPUS CHRISTI, TX	CORPUS CHRISTI INTL	05/26/2016	3

REMARKS:

RUNWAY 36 CLIMB GRADIENT ROUNDED UP TO 235 FT PER NM FOR PUBLICATION (COMPUTED VALUE 231 FT PER NM).

FLIGHT INSPECTED BY:

JOHN KEARBY
Digitally signed by
JACOB POWERS
Apr 15, 2016

3/15/2016

REQUIRED EFFECTIVE DATE:

05/26/2016

DEVELOPED BY:

PETER GUIMOND
Digitally signed by
PETER R GUIMOND
Dec 21, 2015

AJV-5413

12/21/2015

APPROVED BY:

GEORGE GONZALES
Digitally signed by
JACOB POWERS
Apr 15, 2016

AJV-5420

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZHU, CRP APP CON, CRP ATCT, ARPT MGR

CHANGES:

1. AMENDED RWY 36 CLIMB GRADIENT FROM 231 FT PER NM TO 600 TO READ 235 FT PER NM TO 600.
2. AMENDED RWY 31 TEXTUAL DEPARTURE PROCEDURE CLIMB-TO ALTITUDE FROM 1200 TO 600.
3. AMENDED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS.

REASONS:

1. ROUNDED UP TO NEXT 5 FOOT INCREMENT TO PRECLUDE NOTAM ACTION SHOULD RUNWAY OR OBSTACLE ELEVATION CHANGE.
2. NEW OBSTACLE STUDY USING UPDATED DEPARTURE END COORDINATES (EXTENDED 1000 FEET).
3. NEW OBSTACLE STUDY. GROUPED AND FORMATTED IN ACCORDANCE WITH CURRENT DOCUMENTATION POLICY.

QUALITY
25
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: MISBE/UIM 13.98 DME FIX							
UIM VOR/DME (IF/IAF)			WISIX/UIM 9.00 DME			202.86 / 9.00				2000		CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 2500 DIRECT UIM VOR/DME AND HOLD.							
										ADDITIONAL FLIGHT DATA: HOLD NE, RT, 203.00 INBOUND. CHART FAS OBST: 705 TOWER 324122N/0952913W CHART CIRCLING ICON. FAC CROSSES MID POINT OF RWY 17-35									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. HOLD NE UIM VOR/DME, RT, 203.00 INBOUND, 2500 FT. IN LIEU OF PT (IAF)																			
3. FAC 202.86 FAF WISIX/UIM 9.00 DME _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT UIM VOR/DME 2500, WISIX 2000																			
8. MSA FROM: UIM VOR/DME 2600										MAG VAR: 8E EPOCH YEAR:1965									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X							
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
CIRCLING		1040	1	611	1080	1	651		NA			NA							
NOTES:																			
CHART NOTE: DME REQUIRED.																			
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON UIM VOR/DME AIRWAY RADIALS 304 CW 124.																			
CHART NOTE: USE TYLER ALTIMETER SETTING; WHEN NOT RECEIVED, USE LONGVIEW																			
ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.																			
QUALITY 7 CHECKED																			
CITY AND STATE		ELEVATION: 429			TDZE:			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP		VOR/DME-A		
MINEOLA, TX		AIRPORT NAME:						UIM		VOR-A, AMDT 6 26 MAY 2016					AMDT		5		
		MINEOLA WISENER FIELD													DATE		01/13/2011		

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 3F9

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
UIM	010	UIM	HF	FO		203.0	UIM		R			AA 02500		VE A
	010	UIM	IF	FB								AA 02500		V I
	020	WISIX	CF	FB		203.0	UIM			UIM		AA 02000		E F
	030	MISBE	CF	FO		203.0	UIM	0.00				AT 01080		EY M
	040		CA	FB		202.9						AA 01200		M
	050	UIM	DF	FO					R			AA 02500		VY
	060	UIM	HM	FO		203.0			R			AA 02500		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
UIM	N325249.73	W0952200.81
MISBE	N324047.90	W0953030.62
WISIX	N324505.15	W0952729.24

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW17	N324051.90	W0953038.70	00429	
RW35	N324020.22	W0953039.09	00404	

QUALITY
12
CHECKED

CITY AND STATE
MINEOLA, TX

ELEVATION: **429** TDZE:
AIRPORT NAME:
MINEOLA WISENER FIELD

FACILITY
IDENTIFIER:
UIM

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
VOR-A, AMDT 6
26 MAY 2016

SUP: VOR/DME-A
AMDT: 5
DATED: 01/13/2011

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
TERRELL, TX	TERRELL MUNI	26 MAY 2016	1

TAKEOFF MINIMUMS:

RWY 17, 35: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREE 1087 FT FROM DER, 511 FT RIGHT OF CENTERLINE, 486 FT MSL. TREE 1220 FT FROM DER, 399 FT RIGHT OF CENTERLINE, 488 FT MSL. TREE 1552 FT FROM DER, 200 FT RIGHT OF CENTERLINE, 498 FT MSL.

NOTE: RWY 35, FENCE 206 FT FROM DER, 349 FT RIGHT OF CENTERLINE, 8 FT AGL/481 FT MSL. POLE 215 FT FROM DER, 401 FT RIGHT OF CENTERLINE, 16 FT AGL/488 FT MSL. POLE 250 FT FROM DER, 408 FT RIGHT OF CENTERLINE, 25 FT AGL/496 FT MSL. POLE 295 FT FROM DER, 524 FT RIGHT OF CENTERLINE, 504 FT MSL. POLES BEGINNING 295 FT FROM DER, 298 FT RIGHT OF CENTERLINE, UP TO 34 FT AGL/504 FT MSL. TREES BEGINNING 636 FT FROM DER, 319 FT RIGHT OF CENTERLINE, UP TO 519 FT MSL. TREES, POLES AND LITE BEGINNING 770 FT FROM DER, 110 FT LEFT OF CENTERLINE, UP TO 510 FT MSL. TREES AND POLES BEGINNING 1186 FT FROM DER, 336 FT LEFT OF CENTERLINE, UP TO 522 FT MSL.

CONTROLLING OBSTACLES:

QUALITY
23
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
TERRELL, TX	TERRELL MUNI	26 MAY 2016	1

REMARKS:

FLIGHT INSPECTED BY:

GREG COX

Digitally signed by
JACOB POWERS
Apr 05, 2016

3/17/2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

STEVEN M. BARNETT

AJV-5442

Digitally signed by
JACOB POWERS
Apr 05, 2016

12/22/2015

APPROVED BY:

GEORGE GONZALEZ

AJV-5420

Digitally signed by
JACOB POWERS
Apr 05, 2016

COORDINATED WITH:

ALPA, AOPA, NBAA, APT MGR, ZFW

CHANGES:

1. REMOVED TAKEOFF MINIMUMS AND TAKEOFF OBSTACLE NOTES FOR RWYS 14 AND 32.
2. UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

1. RWYS 14 AND 32 ARE NO LONGER IN USE AND WERE REMOVED FROM AIRNAV.
2. UPDATED OBSTACLE SURVEY.



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.17 MILES AFTER ZULEV INT/I-CYS 6.62 DME OR AT I-CYS 1.48 DME FIX CLIMB TO 6800, THEN CLIMBING RIGHT TURN TO 8000 DIRECT CYS VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000 (TACAN AIRCRAFT CONTINUE VIA CYS VORTAC R-016 TO MARKL/CYS 10.00 DME AND HOLD N, RT, 196 INBOUND). ADDITIONAL FLIGHT DATA: HOLD N, RT, 196 INBOUND. CHART VDP AT 2.73 DME* DISTANCE VDP TO THLD 1.27 MILES. *LOC ONLY. CHART (CFPGQ) AT INTERSECTION OF EGBER DR LEG AND INTERMEDIATE COURSE. CHART CIRCLING ICON. FAS OBST: 6309 AAO 410924N/1044254W							
CYS VORTAC		COLLA INT/I-CYS 14.45 DME		097.66 / 13.00 (CYS)				8500									
HAMER INT/GLL 32.45 DME (IAF)		COLLA INT/I-CYS 14.45 DME (NOPT)		350.00 / 5.42 (GLL) (CYS LR-106)				7800									
EGBER INT/CYS 23.23 DME (IAF)		COLLA INT/I-CYS 14.45 DME (NOPT)		220.00 / 5.42 (HDG) & 265.31 / 6.90 (I-CYS)				7800									
COLLA INT/I-CYS 14.45 DME (IF)		ZULEV INT/I-CYS 6.62 DME		265.31 / 7.83 (I-CYS)				7800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E COLLA, RT, 265.31 INBOUND, 7800 FT. IN LIEU OF PT (IAF) 3. FAC: 265.31 FAF: ZULEV INT/I-CYS 6.62 DME DIST FAF TO MAP: 5.17 THLD: 5.17 4. MIN. ALT: COLLA 7800, ZULEV 7800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 917 6. MIN GS INCPT: 7800 GS ALT AT: ZULEV 7800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 8. MSA FROM: CYS VORTAC 350-120 7600, 120-210 8500, 210-350 10300										MAG VAR: 10E EPOCH YEAR: 2005							
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		ILS: STANDARD # LOC: STANDARD @							
CATEGORY ==>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
S-ILS 27 %	6321	2400	200	6321	2400	200	6321	2400	200	6321	2400	200					
S-LOC 27	6560	2400	439	6560	2400	439	6560	4000	439	6560	4000	439					
CIRCLING	6640	1	480	6640	1	480	6900	2	740	6940	2 1/2	780					
NOTES: CHART PROFILE NOTE: USE I-CYS DME WHEN ON THE LOCALIZER COURSE. CHART NOTE: % RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.																	
								# CAT C 800-2, CAT D 800-2 1/2 @ CAT D 800-2 1/2								QUALITY 6 CHECKED	
CITY AND STATE CHEYENNE, WY		ELEVATION: 6160 TDZE: 6121 AIRPORT NAME: CHEYENNE RGNL/JERRY OLSON FIELD				FACILITY IDENTIFIER: I-CYS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 35, 05/26/2016						SUP: AMDT: 34C DATED 05/31/2012			

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
6
CHECKED

CITY AND STATE
CHEYENNE, WY

ELEVATION: 6160 TDZE: 6121
AIRPORT NAME:
CHEYENNE RGNL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:
I-CYS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 27, AMDT 35, 05/26/2016

SUP:
AMDT: 34C
DATED: 05/31/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KCYS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CYS	010	CYS	IF	FB										V
CYS	020	COLLA	TF	FO								AA 08500		EY
CYS	030	COLLA	HF	FO		265.3	ICYS		R			AA 07800		EE A
EGBER	010	EGBER	IF	FB										E A
EGBER	020	CFPGQ	TF	FB								AA 07800		E
EGBER	030	COLLA	CF	FB		265.3	ICYS					AA 07800		EE B
HAMER	010	HAMER	FC	FB		350.0	GLL					AA 07800		E A
HAMER	020	COLLA	CF	FB		350.0	ICYS					AA 07800		EE B
	010	COLLA	IF	FB			ICYS					AA 07800 GI 07800		E I
	020	ZULEV	CF	FB		265.0	ICYS	3.00		CYS		GI 07800 GS 07800		E F
	030	RW27	CF	FO		265.0	ICYS	3.00				AT 06154		GY M
	040		CA	FB		265.3						AA 06800		M
	050	CYS	DF	FO					R			AA 08000		VY
	060	CYS	HM	FO		196.0			R			AA 08000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CYS	N411239.48	W1044622.49
GLL	N403013.92	W1043310.85
ICYS (DME)	N410918.76	W1044920.20
EGBER	N411052.20	W1041541.64
HAMER	N410239.20	W1043056.20
CFPGQ	N410723.00	W1042111.15
COLLA	N410803.02	W1043016.63
ZULEV	N410847.61	W1044035.78
ICYS (LOC)	N410924.72	W1044921.42

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW27	N410916.51	W1044724.30	06099	55.0

QUALITY
15
CHECKED

CITY AND STATE
CHEYENNE, WY

ELEVATION: **6160** TDZE: **6121**
AIRPORT NAME:
CHEYENNE RGNL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:
I-CYS

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 27, AMDT 35, 05/26/2016

SUP:

AMDT: **34C**DATED: **05/31/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - KCYS

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CYS	010	CYS	IF	FB										V
CYS	020	COLLA	TF	FO								AA 08500		EY
CYS	030	COLLA	HF	FO		265.3	ICYS		R			AA 07800		EE A
EGBER	010	EGBER	IF	FB										E A
EGBER	020	CFPGQ	TF	FB								AA 07800		E
EGBER	030	COLLA	CF	FB		265.3	ICYS					AA 07800		EE B
HAMER	010	HAMER	FC	FB		350.0	GLL					AA 07800		E A
HAMER	020	COLLA	CF	FB		350.0	ICYS					AA 07800		EE B
	010	COLLA	IF	FB			ICYS					AA 07800		E I
	020	ZULEV	CF	FB		265.0	ICYS			CYS		AA 07800		E F
	030	RW27	CF	FO		265.0	ICYS	3.01				AT 06154		GY M
	040		CA	FB		265.3						AA 06800		M
	050	CYS	DF	FO					R			AA 08000		VY
	060	CYS	HM	FO		196.0			R			AA 08000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CYS	N411239.48	W1044622.49
GLL	N403013.92	W1043310.85
ICYS (DME)	N410918.76	W1044920.20
EGBER	N411052.20	W1041541.64
HAMER	N410239.20	W1043056.20
CFPGQ	N410723.00	W1042111.15
COLLA	N410803.02	W1043016.63
ZULEV	N410847.61	W1044035.78
ICYS (LOC)	N410924.72	W1044921.42

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW27	N410916.51	W1044724.30	06099	55.0

QUALITY
15
CHECKED

CITY AND STATE
CHEYENNE, WY

ELEVATION: **6160** TDZE: **6121**
AIRPORT NAME:
CHEYENNE RGNL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:
I-CYS

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 27, AMDT 35, 05/26/2016

SUP:

AMDT: **34C**DATED: **05/31/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HATH, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE									
										ADDITIONAL FLIGHT DATA:							
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF) 2. ____ 3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____ 4. MIN. ALT ____ 8. MSA FROM: _____										MAG VAR:		EPOCH YEAR:					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT CATEGORY =====>										ALTERNATE: N A							
NOTES: PROCEDURE CANCELED EFFECTIVE 26 MAY 2016																	
CITY AND STATE CHEYENNE, WY				ELEVATION: 6159 THRE: 6099 AIRPORT NAME: CHEYENNE RGNL/JERRY OLSON FIELD				FACILITY IDENTIFIER: CY		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: NDB RWY 27, AMDT 15A, 12/11/2014				SUP AMD'T 15 DATE 07/26/2012			

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31074](#); Amdt. No. [3694](#)]

**Standard Instrument Approach Procedures, and Takeoff Minimums
and Obstacle Departure Procedures; Miscellaneous Amendments**

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: This rule amends, suspends, or removes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide for the safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: Availability of matter incorporated by reference in the amendment is as follows:

For Examination

1. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001;

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability

All SIAPs and Takeoff Minimums and ODPs are available online free of charge. Visit the National Flight Data Center online at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Thomas J. Nichols, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Procedures Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION:

This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (NFDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR §97.20. The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained on FAA form documents is unnecessary.

This amendment provides the affected CFR sections, and specifies the SIAPs and Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

Availability and Summary of Material Incorporated by Reference

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPs, Takeoff Minimums and ODPs as identified in the amendatory language for part 97 of this final rule.

The Rule

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP and Takeoff Minimums and ODP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP and Takeoff Minimums and ODP as modified by FDC permanent NOTAMs.

The SIAPs and Takeoff Minimums and ODPs, as modified by FDC permanent NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs and Takeoff Minimums and ODPs, the TERPS criteria were applied only to specific conditions existing at the affected

airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts.

The circumstances that created the need for these SIAP and Takeoff Minimums and ODP amendments require making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPs, and safety in air commerce, I find that notice and public procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C. 553(d), good cause exists for making these SIAPs effective in less than 30 days.

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore--(1) is not a "significant regulatory action" under Executive Order 12866;(2) is not a "significant rule" under DOT Regulatory Policies and Procedures (44 FR 11034; February 26,1979) ; and (3)does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference,
Navigation (Air).

Issued in Washington, DC on [APRIL 22, 2016](#)

A handwritten signature in black ink, appearing to read "John S. Duncan", with a long horizontal flourish extending to the right.

John S. Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal regulations, Part 97, (14 CFR part 97), is amended by amending Standard Instrument Approach Procedures and Takeoff Minimums and ODPs, effective at 0901 UTC on the dates specified, as follows:

PART 97 - STANDARD INSTRUMENT APPROACH PROCEDURES

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(f), 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

By amending: §97.23 VOR, VOR/DME, VOR or TACAN, and VOR/DME or TACAN; §97.25 LOC, LOC/DME, LDA, LDA/DME, SDF, SDF/DME; §97.27 NDB, NDB/DME; §97.29 ILS, ILS/DME, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows:

.....EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
26-May-16	TX	Terrell	Terrell Muni	6/0884	04/01/16	This NOTAM, published in TL 16-11, is hereby rescinded in its entirety.
AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
26-May-16	AK	Venetie	Venetie	5/0233	04/12/16	RNAV (GPS) RWY 22, Orig
26-May-16	AK	Venetie	Venetie	5/0234	04/12/16	RNAV (GPS) RWY 4, Orig-A
26-May-16	OK	Tulsa	Richard Lloyd Jones Jr	5/1074	04/07/16	VOR RWY 1L, Amdt 4C
26-May-16	OK	Tulsa	Richard Lloyd Jones Jr	5/1075	04/07/16	ILS OR LOC RWY 1L, Amdt 1A
26-May-16	OH	Toledo	Toledo Executive	5/2079	04/07/16	RNAV (GPS) RWY 32, Orig-A
26-May-16	WI	Antigo	Langlade County	5/4644	04/07/16	RNAV (GPS) RWY 35, Amdt 2A
26-May-16	MQ	Midway Atoll	Henderson Field	6/0076	03/23/16	RNAV (GPS) RWY 6, Orig-B
26-May-16	MQ	Midway Atoll	Henderson Field	6/0077	03/23/16	RNAV (GPS) RWY 24, Orig-B
26-May-16	MQ	Midway Atoll	Henderson Field	6/0078	03/23/16	NDB RWY 6, Orig-A
26-May-16	MQ	Midway Atoll	Henderson Field	6/0079	03/23/16	NDB RWY 24, Orig-A
26-May-16	UT	St George	St George Rgnl	6/2270	04/01/16	LDA/DME RWY 19, Orig-B
26-May-16	UT	St George	St George Rgnl	6/2271	04/01/16	RNAV (GPS) RWY 1, Orig-B
26-May-16	UT	St George	St George Rgnl	6/2272	04/01/16	RNAV (GPS) RWY 19, Orig-B
26-May-16	UT	St George	St George Rgnl	6/2273	04/01/16	VOR/DME-A, Orig
26-May-16	UT	St George	St George Rgnl	6/2274	04/01/16	Takeoff Minimums and (Obstacle) DP, Orig
26-May-16	PA	Punxsutawney	Punxsutawney Muni	6/3333	04/07/16	VOR/DME-A, Amdt 1A
26-May-16	PA	Punxsutawney	Punxsutawney Muni	6/3341	04/07/16	RNAV (GPS) RWY 24, Orig-A
26-May-16	CA	Arcata/Eureka	Arcata	6/3943	04/07/16	VOR/DME RWY 14, Amdt 1A
26-May-16	ME	Norridgewock	Central Maine Arpt Of Norridgewock	6/6681	04/07/16	RNAV (GPS) RWY 15, Orig
26-May-16	ME	Auburn/Lewiston	Auburn/Lewiston Muni	6/6781	04/07/16	ILS OR LOC RWY 4, Amdt 10D
26-May-16	ME	Auburn/Lewiston	Auburn/Lewiston Muni	6/6782	04/07/16	RNAV (GPS) RWY 4, Amdt 1
26-May-16	ME	Auburn/Lewiston	Auburn/Lewiston Muni	6/6783	04/07/16	RNAV (GPS) RWY 22, Amdt 1A

26-May-16	IA	Muscatine	Muscatine Muni	6/7375	04/12/16	RNAV (GPS) RWY 12, Orig
26-May-16	IA	Muscatine	Muscatine Muni	6/7376	04/12/16	RNAV (GPS) RWY 30, Orig
26-May-16	TX	Lago Vista	Lago Vista TX - Rusty Allen	6/7941	04/12/16	RNAV (GPS) RWY 15, Orig-A
26-May-16	TX	Odessa	Odessa-Schlemeyer Field	6/8024	04/12/16	RNAV (GPS) RWY 11, Orig-A
26-May-16	TX	Taylor	Taylor Muni	6/8025	04/12/16	RNAV (GPS) RWY 17, Orig
26-May-16	CA	Fullerton	Fullerton Muni	6/8243	04/07/16	RNAV (GPS) RWY 24, Orig-A
26-May-16	CA	Fullerton	Fullerton Muni	6/8244	04/07/16	LOC/DME RWY 24, Orig-A
26-May-16	CA	Fullerton	Fullerton Muni	6/8245	04/07/16	VOR-A, Amdt 7A
26-May-16	OK	Miami	Miami Muni	6/9238	04/12/16	Takeoff Minimums and (Obstacle) DP, Orig
26-May-16	NY	Albany	Albany Intl	6/9287	04/07/16	RNAV (GPS) RWY 28, Orig-A
26-May-16	NY	Albany	Albany Intl	6/9288	04/07/16	RNAV (GPS) RWY 10, Orig-A

AIRAC Date: 26 MAY 2016

FDC **5/0233** VEE IAP VENETIE, VENETIE, AK. RNAV (GPS) RWY 22, ORIG...
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT
AUTHORIZED. CIRCLING MDA1200/HAA 626 ALL CATS. THIS IS RNAV (GPS)
RWY 22, ORIG A. 1512212011-PERM

FDC **5/0234** VEE IAP VENETIE, VENETIE, AK. RNAV (GPS) RWY 4, ORIG-A...
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT
AUTHORIZED. CIRCLING MDA 1200/HAA 626 ALL CATS. THIS IS RNAV (GPS)
RWY 4, ORIG B. 1512212011-PERM

FDC **5/1074** RVS IAP RICHARD LLOYD JONES JR, TULSA, OK. VOR RWY 1L,
AMDT 4C... CHART NOTE: NIGHT LANDING: RWY 13 NA. MSA FROM GLENPOOL
(GNP) VOR/DME 090-310 3200. THIS IS VOR RWY 1L, AMDT 4D. 1512031257-
PERM

FDC **5/1075** RVS IAP RICHARD LLOYD JONES JR, TULSA, OK. ILS OR LOC RWY
1L, AMDT 1A... CHART NOTE: NIGHT LANDING: RWY 13 NA. MSA FROM
GLENPOOL (GNP) VOR/DME 090-310 3200. THIS IS ILS OR LOC RWY 1L, AMDT
1B. 1512031257-PERM

FDC **5/2079** TDZ IAP TOLEDO EXECUTIVE, TOLEDO, OH. RNAV (GPS) RWY 32,
ORIG-A... LNAV MDA 1020/HAT 399 ALL CATS, VIS CAT C/D 1 1/8. CHART FAS
OBST: 767 T-L TOWER 413316N/0832654W. CHANGE LOCAL ALTIMETER
SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED,
USE TOLEDO EXPRESS ALTIMETER SETTING AND INCREASE ALL MDA 60
FEET AND INCREASE LP CATS C/D VISIBILITY 1/8 MILE AND LNAV CATS C/D 1/4
MILE. THIS IS RNAV (GPS) RWY 32, ORIG-B. 1511121636-PERM

FDC **5/4644** AIG IAP LANGLADE COUNTY, ANTIGO, WI. RNAV (GPS) RWY 35,
AMDT 2A... LPV VIS 1 ALL CATS. LNAV CAT C/D VIS 1 1/4. CHANGE LOCAL
ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT
RECEIVED, USE WAUSAU DOWNTOWN ALTIMETER SETTING: INCREASE ALL
DA 105 FT AND VISIBILITY LPV ALL CATS 1/4 MILE AND LNAV/VNAV ALL CATS
3/4 MILE; INCREASE ALL MDA 120 FT AND VISIBILITY LNAV CAT C/D AND
CIRCLING CAT C 1/2 MILE AND CIRCLING CAT D 1/4 MILE. THIS IS RNAV (GPS)
RWY 35, AMDT 2B. 1510291158-PERM

FDC **6/0076** MDY IAP HENDERSON FIELD, MIDWAY ATOLL, MQ. RNAV (GPS)
RWY 6, ORIG-B... CHART NOTE: NIGHT LANDING: RWY 24 NA. CHART NOTE:
HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS
RNAV (GPS) RWY 6, ORIG-C. 1602041449-PERM

FDC **6/0077** MDY IAP HENDERSON FIELD, MIDWAY ATOLL, MQ. RNAV (GPS) RWY 24, ORIG-B... CHART NOTE: NIGHT LANDING: RWY 24 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24, ORIG-C. 1602041449-PERM

FDC **6/0078** MDY IAP HENDERSON FIELD, MIDWAY ATOLL, MQ. NDB RWY 6, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 24 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS NDB RWY 6, ORIG-B. 1602041449-PERM

FDC **6/0079** MDY IAP HENDERSON FIELD, MIDWAY ATOLL, MQ. NDB RWY 24, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 24 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS NDB RWY 24, ORIG-B. 1602041449-PERM

FDC **6/2270** SGU IAP ST GEORGE RGNL, ST GEORGE, UT. LDA/DME RWY 19, ORIG-B... CHANGE AIRPORT NAME FROM ST GEORGE MUNI TO ST GEORGE RGNL. THIS IS LDA/DME RWY 19, ORIG-C. 1603311130-PERM

FDC **6/2271** SGU IAP ST GEORGE RGNL, ST GEORGE, UT. RNAV (GPS) RWY 1, ORIG-B... CHANGE AIRPORT NAME FROM ST GEORGE MUNI TO ST GEORGE RGNL. THIS IS RNAV (GPS) RWY 1, ORIG-C. 1603311130-PERM

FDC **6/2272** SGU IAP ST GEORGE RGNL, ST GEORGE, UT. RNAV (GPS) RWY 19, ORIG-B... CHANGE AIRPORT NAME FROM ST GEORGE MUNI TO ST GEORGE RGNL. THIS IS RNAV (GPS) RWY 19, ORIG-C. 1603311130-PERM

FDC **6/2273** SGU IAP ST GEORGE RGNL, ST GEORGE, UT. VOR/DME-A, ORIG... CHANGE AIRPORT NAME FROM ST GEORGE MUNI TO ST GEORGE RGNL. THIS IS VOR/DME-A, ORIG-A. 1603311130-PERM

FDC **6/2274** SGU ODP ST GEORGE RGNL, ST GEORGE, UT. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... CHANGE AIRPORT NAME FROM ST GEORGE MUNI TO ST GEORGE RGNL. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1603311130-PERM

FDC **6/3333** N35 IAP PUNXSUTAWNEY MUNI, PUNXSUTAWNEY, PA. VOR/DME-A, AMDT 1A... DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR/DME-A, AMDT 1B. 1603081615-PERM

FDC **6/3341** N35 IAP PUNXSUTAWNEY MUNI, PUNXSUTAWNEY, PA. RNAV (GPS) RWY 24, ORIG-A... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24, ORIG-B. 1603081617-PERM

FDC **6/3943** ACV IAP ARCATA, ARCATA/EUREKA, CA. VOR/DME RWY 14, AMDT 1A... S-14 MDA 640/HAT 435 ALL CATS, VISIBILITY CATS C, D 1 3/8.. CIRCLING CAT A MDA 640/HAA 418. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 14 PROCEDURE NA AT NIGHT.. CHART FAS OBST: 375 TREE, 410014N/1240616W. THIS IS VOR/DME RWY 14, AMDT 1B. 1603091846-PERM

FDC **6/6681** OWK IAP CENTRAL MAINE ARPT OF NORRIDGEWOCK, NORRIDGEWOCK, ME. RNAV (GPS) RWY 15, ORIG... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 15, ORIG-A. 1601262041-PERM

FDC **6/6781** LEW IAP AUBURN/LEWISTON MUNI, AUBURN/LEWISTON, ME. ILS OR LOC RWY 4, AMDT 10D... CIRCLING CAT C VIS 2 1/2. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUGUSTA ALTIMETER SETTING: INCREASE S-ILS 4 ALL CATS DA TO 713 FT AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL MDA 80 FT AND S-LOC 4 CAT C/D AND CIRCLING CAT A AND D VISIBILITIES 1/4 MILE. CHANGE FOR INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE S-ILS 4 ALL CATS VISIBILITY TO 1 1/4, S-LOC 4 CAT A TO 1 MILE AND CAT C/D TO 2 1/2 MILE. CHANGE FOR INOPERATIVE MALSR WHEN USING AUGUSTA ALTIMETER SETTING NOTE TO READ: FOR INOPERATIVE MALSR WHEN USING AUGUSTA ALTIMETER SETTING, INCREASE S-ILS 4 ALL CATS VISIBILITY TO 1 1/2 MILE AND S-LOC 4 CAT A TO 1 MILE. THIS IS ILS OR LOC RWY 4, AMDT 10E. 1602221541-PERM

FDC **6/6782** LEW IAP AUBURN/LEWISTON MUNI, AUBURN/LEWISTON, ME. RNAV (GPS) RWY 4, AMDT 1... LNAV/VNAV VIS 1 7/8 ALL CATS. LNAV CAT C VIS 1 1/4. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUGUSTA ALTIMETER SETTING: INCREASE LPV ALL CATS DA TO 541 FT, LNAV/VNAV ALL CATS DA TO 1007 FT AND LNAV/VNAV ALL CATS VISIBILITY 5/8 MILE; INCREASE ALL MDA 80 FT AND LNAV CAT C/D AND CIRCLING CAT C/D VISIBILITIES 1/4 MILE. CHANGE FOR INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 2 1/2 MILE, LNAV CAT A/B TO 1 MILE, AND LNAV CAT C/D TO 1 5/8 MILE. CHANGE FOR INOPERATIVE MALSR, WHEN USING AUGUSTA ALTIMETER SETTING NOTE TO READ: FOR INOPERATIVE MALSR, WHEN USING AUGUSTA ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO 7/8 MILE AND LNAV CATS A/B TO 1 MILE. CHART NOTE: WHEN USING AUGUSTA ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS. THIS IS RNAV (GPS) RWY 4, AMDT 1A. 1602221542-PERM

FDC **6/6783** LEW IAP AUBURN/LEWISTON MUNI, AUBURN/LEWISTON, ME. RNAV (GPS) RWY 22, AMDT 1A... LPV DA 546/HAT 276 ALL CATS. LNAV CAT C/D VIS 1 3/8. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUGUSTA ALTIMETER SETTING: INCREASE LPV ALL CATS DA TO 617 FT, LNAV/VNAV ALL CATS DA TO 938 FT AND LPV ALL CATS VISIBILITY 1/8 MILE AND LNAV/VNAV ALL CATS 1/2 MILE; INCREASE ALL MDA 80 FT AND LNAV CAT C/D VISIBILITY 3/8 MILE AND CIRCLING CAT C/D 1/4 MILE. THIS IS RNAV (GPS) RWY 22, AMDT 1B. 1602221543-PERM

FDC **6/7375** MUT IAP MUSCATINE MUNI, MUSCATINE, IA. RNAV (GPS) RWY 12, ORIG... CHART TDZE 541. DELETE THRE 536. LPV DA 1207/HAT 666 CATS A/B. LNAV/VNAV DA 1223/HAT 682 CATS A/B. LNAV HAT 599 CATS A/B. THIS IS RNAV (GPS) RWY 12, ORIG-A. 1603181847-PERM

FDC **6/7376** MUT IAP MUSCATINE MUNI, MUSCATINE, IA. RNAV (GPS) RWY 30, ORIG... CHART TDZE 543. DELETE THRE 543. THIS IS RNAV (GPS) RWY 30, ORIG-A. 1603181847-PERM

FDC **6/7941** RYW IAP LAGO VISTA TX - RUSTY ALLEN, LAGO VISTA, TX. RNAV (GPS) RWY 15, ORIG-A... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS RNAV (GPS) RWY 15, ORIG-B. 1604111936-PERM

FDC **6/8024** ODO IAP ODESSA-SCHLEMEYER FIELD, ODESSA, TX. RNAV (GPS) RWY 11, ORIG-A... DELETE THRE 2974. CHART TDZE 2976. LPV DA 3176/HAT 200 ALL CATS. LNAV/VNAV DA 3347/HAT 371 ALL CATS. LNAV HAT 404 ALL CATS. THIS IS RNAV (GPS) RWY 11, ORIG-B. 1603212203-PERM

FDC **6/8025** T74 IAP TAYLOR MUNI, TAYLOR, TX. RNAV (GPS) RWY 17, ORIG... DELETE THRE 600. CHART TDZE 600. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1603212205-PERM

FDC **6/8243** FUL IAP FULLERTON MUNI, FULLERTON, CA. RNAV (GPS) RWY 24, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 6 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24, ORIG-B. 1603221435-PERM

FDC **6/8244** FUL IAP FULLERTON MUNI, FULLERTON, CA. LOC/DME RWY 24, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 6 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS LOC/DME RWY 24, ORIG-B. 1603221435-PERM

FDC **6/8245** FUL IAP FULLERTON MUNI, FULLERTON, CA. VOR-A, AMDT 7A... CHART NOTE: NIGHT LANDING: RWY 6 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE PLANVIEW NOTE: (ASTERISK) 1500 WHEN AUTHORIZED BY ATC. DELETE PROFILE NOTE: (ASTERISK) 1500 WHEN AUTHORIZED BY ATC. THIS IS VOR-A, AMDT 7B. 1603221435-PERM

FDC **6/9238** MIO ODP MIAMI MUNI, MIAMI, OK. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... CHANGE AIRPORT NAME TO READ MIAMI RGNL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1602261846-PERM

FDC **6/9287** ALB IAP ALBANY INTL, ALBANY, NY. RNAV (GPS) RWY 28, ORIG-A... DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 28, ORIG-B. 1602262111-PERM

FDC **6/9288** ALB IAP ALBANY INTL, ALBANY, NY. RNAV (GPS) RWY 10, ORIG-A... DELETE NOTE: STRAIGHT-IN AND CIRCLING RWY 10 PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 10, ORIG-B. 1602262112-PERM