

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 09-10

APRIL 3, 2009

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, ATO-R
(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 published in Transmittal Letters
09-08 and 09-09:**

Akron, CO, Colorado Plains Regional, RNAV (GPS) RWY 11, Amdt 1
Fort Collins/Loveland, CO, Fort Collins-Loveland Muni, RNAV (GPS) RWY 15, Orig
Montrose, CO, Montrose Rgnl, RNAV (GPS) Y RWY 17, Orig
Twin Falls, ID, Joslin Field-Magic Valley Rgnl, VOR RWY 7, Amdt 4
Bemidji, MN, Bemidji Rgnl, RNAV (GPS) RWY 31, Amdt 1
Astoria, OR, Astoria Regional, RNAV (GPS) RWY 26, Orig
Winner, SD, Winner Rgnl, RNAV (GPS) RWY 13, Orig
Winner, SD, Winner Rgnl, RNAV (GPS) RWY 31, Orig
Winner, SD, Winner Rgnl, VOR-A, Amdt 7
Ephrata, WA, Ephrata Muni, RNAV (GPS) RWY 21, Orig

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW11 CLIMB TO 6400 DIRECT CULIT AND VIA 113.91 TRACK TO GERON AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 293.42 INBOUND. FAS OBST: 4839 TREE 401051N/1031436W CHART VDP AT 1.09 MILES TO RW11. ADEWU TO RW11: 3.04/40.
AKO VOR/DME	KUKMY (FO)	289.75 / 13.75	6300	
SYLVR (IAF)	KUKMY (NOPT) (FB)	086.37 / 12.52	6300	
TUMBL (IAF)	KUKMY (NOPT) (FB)	135.02 / 11.83	6300	
KUKMY (IF)	ADEWU (FB)	109.19 / 6.10	6300	

THIS IS A CORRECTED COPY PUBLISHED IN TL 09-09. ADDED NOTE "VDP NA WITH STERLING ALT SETTING." PREVIOUS CHANGES: CHANGED "PROC NA FOR ARRIVALS..."FROM CHART NOTE TO CHART PLANVIEW NOTE.

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. **HOLD W KUKMY, RT, 109.19 INBOUND, 6300 FT. IN LIEU OF PT (IAF)**
3. FAC: **109.26** FAF: **ADEWU** DIST FAF TO MAP: **4.79** THLD: **4.79**
4. MIN. ALT: **KUKMY 6300, ADEWU 6300**
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: **RW11 6400**

MAG VAR: 10E

EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	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	5100	1	386	5100	1	386	5100	1	386	5100	1 1/4	386			
CIRCLING	5180	1	466	5180	1	466	5180	1 1/2	466	5280	2	566			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

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

ALL MDA 160 FT, INCREASE LNAV CAT C AND D VISIBILITY 1/2 MILE AND CIRCLING CAT C AND D VISIBILITY

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE AKRON, CO	ELEVATION: 4714 TDZE: 4714 AIRPORT NAME: COLORADO PLAINS REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG
				DATED 05/15/2003

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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NOTES CONT.

1/2 MILE. VDP NA WITH STERLING ALTIMETER SETTING.

CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AKO VOR/DME VIA V8 EASTBOUND.

CITY AND STATE

AKRON, CO

ELEVATION: 4714 TDZE: 4714

AIRPORT NAME:

COLORADO PLAINS REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 05/15/2003

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KAKOK2FR11	AAKO	010AKO	K2D	OV	IF					18000		B	JS
SUSAP KAKOK2FR11	AAKO	020KUKMYK2EA0EY	A	020TF			28980138	+	06300			B	JS
SUSAP KAKOK2FR11	AAKO	030KUKMYK2EA0EB	CR	HF			10920070	+	06300			B	JS
SUSAP KAKOK2FR11	ASYLVR	010SYLVRK2EA0E	A	IF						18000		B	JS
SUSAP KAKOK2FR11	ASYLVR	020KUKMYK2EA0EE		010TF			08640125	+	06300			B	JS
SUSAP KAKOK2FR11	ATUMBL	010TUMBLK2EA0E	A	IF						18000		B	JS
SUSAP KAKOK2FR11	ATUMBL	020KUKMYK2EA0EE		010TF			13500118	+	06300			B	JS
SUSAP KAKOK2FR11	R	010KUKMYK2EA0E	I	IF				+	06300	18000		B	JS
SUSAP KAKOK2FR11	R	020ADEWUK2EA1E	F	051TF			10920061	+	06300		RW11	K2PGB	JS
SUSAP KAKOK2FR11	R	020ADEWUK2EA2WN			N	ALNAV							JS
SUSAP KAKOK2FR11	R	030RW11	K2PG0GY	M	031TF		10930048		04754	-304		B	JS
SUSAP KAKOK2FR11	R	040CULITK2EA0E	M	010DF								B	JS
SUSAP KAKOK2FR11	R	050GERONK2EA0EY		010TF			1139	+	06400			B	JS
SUSAP KAKOK2FR11	R	060GERONK2EA0EE	HL020HM				29340070	+	06400			B	JS

CITY AND STATE AKRON, CO	ELEVATION: 4714 TDZE: 4714	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 11, AMDT 1	AMDT: ORIG
	COLORADO PLAINS REGIONAL		07 MAY 2009	DATED: 05/15/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KAKOK2GRW11	0070001093 N40104921W103135861-0600 +1417204714000040100R

	1 2 3 4 5 6 7 8 9 0 1 2 3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KAKOK2SRW11 K2PG	0 18018006425 M

CITY AND STATE
AKRON, CO

ELEVATION: 4714 TDZE: 4714
 AIRPORT NAME:
 COLORADO PLAINS REGIONAL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 11, AMDT 1
 07 MAY 2009

SUP:
AMDT: ORIG
DATED: 05/15/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	AKO	AKO	010		IF		FB				
	AKO	KUKMY	020	IAF	TF		FO	2.0	289.8(300T)	013.8	06300
	AKO	KUKMY	030		HF	R	FO		109.2(119T)	007.0	06300
	SYLVR	SYLVR	010	IAF	IF		FB				
	SYLVR	KUKMY	020		TF		FB	1.0	086.4(096T)	012.5	06300
	TUMBL	TUMBL	010	IAF	IF		FB				
	TUMBL	KUKMY	020		TF		FB	1.0	135.0(145T)	011.8	06300
		KUKMY	010	FACF	IF		FB				06300
		ADEWU	020	FAF	TF		FB	0.5	109.2(119T)	006.1	06300
		RW11	030	MAP	TF		FO	0.3	109.3(119T)	004.8	04754

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CULIT	040		DF		FB	1.0			
	GERON	050		TF		FO	1.0	113.9(124T)		06400
	GERON	060		HM	L	FO	2.0	293.4(303T)	007.0	06400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AKO	N400920.10	W1031047.10	N4009.335	W10310.785
	ADEWU	N401309.98	W1031925.86	N4013.166	W10319.431
	CULIT	N400920.95	W1031033.92	N4009.349	W10310.565
	GERON	N400349.94	W1025953.95	N4003.832	W10259.899
	KUKMY	N401608.74	W1032622.87	N4016.146	W10326.381
	SYLVR	N401733.32	W1034238.31	N4017.555	W10342.639
	TUMBL	N402551.32	W1033514.66	N4025.855	W10335.244
	RW11	N401049.21	W1031358.61	N4010.820	W10313.977

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW11	04714	40

CITY AND STATE
AKRON, CO

ELEVATION: 4714 TDZE: 4714
 AIRPORT NAME:
 COLORADO PLAINS REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 11, AMDT 1
 07 MAY 2009

SUP:
 AMDT: ORIG
 DATED: 05/15/2003

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BARGR (IAF)	NAXOS (FB)	176.51 / 13.43	8200	LNAV: RW15 CLIMB TO 7600 DIRECT IMOMY AND HOLD.
WISER (IAF)	NAXOS (FB)	230.59 / 11.05	8200	
NAXOS (IF)	LASXE (FB)	151.37 / 6.10	7200	

THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 09-09 DATED
20 MAR 2009. AMDT NO. SHOULD READ "ORIG".

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 331.49 INBOUND.
CHART FAS OBST: 5025 TREE 402745N/1050050W
CHART VDP AT 0.81 MILES TO RW15.
LASXE TO RW15: 3.06/50

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT NAXOS
3. FAC: 151.40 FAF: LASXE DIST FAF TO MAP: 6.71 THLD: 6.71
4. MIN. ALT: NAXOS 8200, LASXE 7200, WIDOD/3.00 NM TO RW15 5980
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: RW15 14800

MAG VAR: 9E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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	5280	1	295	5280	1	295	5280	1	295	5280	1	295				
CIRCLING	5500	1	484	5500	1	484	5520	1 1/2	504	5580	2	564				

NOTES:

CHART NOTE: CIRCLING TO RWY 6/24 NA AT NIGHT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BARGR VIA V361 NORTHEAST BOUND AND ARRIVALS AT WISER VIA V81 NORTH BOUND.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE FORT COLLINS/LOVELAND, CO	ELEVATION: 5016 TDZE: 4985 AIRPORT NAME: FORT COLLINS-LOVELAND MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: VDP NA WHEN USING DENVER INTL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DENVER INTL ALTIMETER SETTING AND INCREASE ALL MDA 160 FEET AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE, CAT D 1/2 MILE, AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CITY AND STATE

FORT COLLINS/LOVELAND, CO

ELEVATION: 5016 TDZE: 4965

AIRPORT NAME:

FORT COLLINS-LOVELAND MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFN	LK2	FR15	ABARGR	010BARGRK2EA0E	A	IF			18000		B	JS
SUSAP	KFN	LK2	FR15	ABARGR	020NAXOSK2EA0EE		010TF	17650134	+	08200		B	JS
SUSAP	KFN	LK2	FR15	AWISER	010WISERK2EA0E	A	IF			18000		B	JS
SUSAP	KFN	LK2	FR15	AWISER	020NAXOSK2EA0EE		010TF	23060111	+	08200		B	JS
SUSAP	KFN	LK2	FR15	R	010NAXOSK2EA0E	I	IF			18000		B	JS
SUSAP	KFN	LK2	FR15	R	020LASXEK2EA1E	F	051TF	15140061	+	07200		RW15	K2PGB JS
SUSAP	KFN	LK2	FR15	R	020LASXEK2EA2WN								JS
SUSAP	KFN	LK2	FR15	R	021WIDODK2EA0E	S	031TF	15140037	V	0598006009		-306	B JS
SUSAP	KFN	LK2	FR15	R	030RW15	K2PG0GY	M 031TF	15140030		05023		-306	B JS
SUSAP	KFN	LK2	FR15	R	040IMOMYK2EA0EYM		010DF			07600			B JS
SUSAP	KFN	LK2	FR15	R	050IMOMYK2EA0EE		HR020HM	33150060	+	07600			B JS

[illegible][illegible]

CITY AND STATE FORT COLLINS/LOVELAND, CO	ELEVATION: 5016 TDZE: 4985 AIRPORT NAME: FORT COLLINS-LOVELAND MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BARGR	BARGR	010	IAF	IF		FB				
	BARGR	NAXOS	020		TF		FB	1.0	176.5 (186T)	013.4	08200
	WISER	WISER	010	IAF	IF		FB				
	WISER	NAXOS	020		TF		FB	1.0	230.6 (240T)	011.1	08200
		NAXOS	010	FACF	IF		FB				08200
		LASXE	020	FAF	TF		FB	0.5	151.4 (160T)	006.1	07200
		WIDOD	021	SDF	TF		FB	0.3	151.4 (160T)	003.7	0598006009
		RW15	030	MAP	TF		FO	0.3	151.4 (160T)	003.0	05023

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IMOMY	040		DF		FO	1.0			07600
	IMOMY	050		HM	R	FO	2.0	331.5 (341T)	006.0	07600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BARGR	N405311.31	W1050459.35	N4053.189	W10504.989
	IMOMY	N401554.14	W1045533.30	N4015.902	W10455.555
	LASXE	N403403.82	W1050359.68	N4034.064	W10503.995
	NAXOS	N403948.81	W1050641.03	N4039.814	W10506.684
	WIDOD	N403033.92	W1050221.75	N4030.565	W10502.363
	WISER	N404525.30	W1045409.80	N4045.422	W10454.163
	RW15	N402744.21	W1050102.70	N4027.737	W10501.045

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	RW15	04973
		TCH
		50

CITY AND STATE
FORT COLLINS/LOVELAND, CO

ELEVATION: 5016 TDZE: 4985
 AIRPORT NAME:
 FORT COLLINS-LOVELAND MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 15, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW17 CLIMBING RIGHT TURN TO 11000 DIRECT PAGRE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 106.48 INBOUND. CHART FAS OBST: 5869 TREE 383252N/1075302W CHART 6669 TREE 383601N/1075138W CHART VDP AT 1.18 MILES TO RW17. WIDRU TO RW17: 3.06/55.	
NADIN	HAQHY (FB)	014.39 / 21.57	11400		
PAGRE	HAQHY (FB)	003.51 / 9.94	11400		
MEYRS	GEJYU (FB)	318.56 / 21.26	14800		
DIRDY	GEJYU (FB)	211.27 / 11.66	13000		
HAQHY (IAF)	BRUUK (FB)	101.77 / 10.00	9800		
GEJYU (IAF)	BRUUK (FB)	245.73 / 10.00	9800		
BRUUK (IF)	WIDRU (FB)	167.82 / 6.11	8100		
THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 09-09 ALT FROM MEYRS TO GEJYU SHOULD READ 14800					
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT BRUUK 3. FAC: <u>167.82</u> FAF: <u>WIDRU</u> DIST FAF TO MAP: <u>7.25</u> THLD: <u>7.25</u> 4. MIN. ALT: <u>BRUUK 9800, WIDRU 8100, ZIMVI/4.00 NM TO RW17 7020, YECTU/2.00 NM TO RW17 6380</u> 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: <u>34:1</u> IS CLEAR 8. MSA FROM: <u>RW17 13400</u>					
				MAG VAR: 12E EPOCH YEAR: 1995	
MINIMUMS					
TAKEOFF:	☐ STANDARD	☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A		STANDARD @
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	6120	1/2	416	6120	1/2
CIRCLING	6240	1	481	6300	1
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE. CHART PROFILE NOTE: PROCEDURE NA FOR ARRIVALS AT GEJYU VIA V361 NORTHEAST BOUND AND ARRIVALS AT HAQHY VIA V484 WESTBOUND.					
CITY AND STATE MONTROSE, CO		ELEVATION: 5759 TDZE: 5704 AIRPORT NAME: MONTROSE RGNL		FACILITY IDENTIFIER: RNAV PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 17, ORIG 07 MAY 2009	
				SUP: AMDT: NONE DATED	

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

CITY AND STATE

MONTROSE, CO

ELEVATION: 5759 TDZE: 5704

AIRPORT NAME:

MONTROSE RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 17, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KMTJK2FR17-Y	ADIRDY	010DIRDYK2EA0E	IF							18000		B JS	
SUSAP KMTJK2FR17-Y	ADIRDY	020GEJYUK2EA0E	A 020TF			21130117		+ 13000				B JS	
SUSAP KMTJK2FR17-Y	ADIRDY	030BRUUKK2EA0EE	010TF			24570100		+ 09800				B JS	
SUSAP KMTJK2FR17-Y	AMEYRS	010MEYRSK2EA0E	IF							18000		B JS	
SUSAP KMTJK2FR17-Y	AMEYRS	020GEJYUK2EA0E	A 020TF			31860213		+ 14800				B JS	
SUSAP KMTJK2FR17-Y	AMEYRS	030BRUUKK2EA0EE	010TF			24570100		+ 09800				B JS	
SUSAP KMTJK2FR17-Y	ANADIN	010NADINK2EA0E	IF							18000		B JS	
SUSAP KMTJK2FR17-Y	ANADIN	020HAQHYK2EA0E	A 020TF			01440216		+ 11400				B JS	
SUSAP KMTJK2FR17-Y	ANADIN	030BRUUKK2EA0EE	010TF			10180100		+ 09800				B JS	
SUSAP KMTJK2FR17-Y	APAGRE	010PAGREK2EA0E	IF							18000		B JS	
SUSAP KMTJK2FR17-Y	APAGRE	020HAQHYK2EA0E	A 020TF			00350099		+ 11400				B JS	
SUSAP KMTJK2FR17-Y	APAGRE	030BRUUKK2EA0EE	010TF			10180100		+ 09800				B JS	
SUSAP KMTJK2FR17-Y	R	010BRUUKK2EA0E	I IF					+ 09800		18000		B JS	
SUSAP KMTJK2FR17-Y	R	020WIDRUK2EA1E	F 010TF			16780061		+ 08100			RW17	K2PGB JS	
SUSAP KMTJK2FR17-Y	R	020WIDRUK2EA2WN		N		ALNAV						JS	
SUSAP KMTJK2FR17-Y	R	021ZIMVIK2EA0E	S 031TF			16780033		V 0702007035		-306		B JS	
SUSAP KMTJK2FR17-Y	R	022YECTUK2EA0E	S 031TF			16780020		V 0638006386		-306		B JS	

CITY AND STATE MONTROSE, CO	ELEVATION: 5759 TDZE: 5704 AIRPORT NAME: MONTROSE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 17, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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[illegible]

SUP: _____
AMDT: **NONE**
DATED: _____

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DIRDY	DIRDY	010		IF		FB				
	DIRDY	GEJYU	020	IAF	TF		FB	2.0	211.3 (223T)	011.7	13000
	DIRDY	BRUUK	030		TF		FB	1.0	245.7 (258T)	010.0	09800
	MEYRS	MEYRS	010		IF		FB				
	MEYRS	GEJYU	020	IAF	TF		FB	2.0	318.6 (331T)	021.3	14800
	MEYRS	BRUUK	030		TF		FB	1.0	245.7 (258T)	010.0	09800
	NADIN	NADIN	010		IF		FB				
	NADIN	HAQHY	020	IAF	TF		FB	2.0	014.4 (026T)	021.6	11400
	NADIN	BRUUK	030		TF		FB	1.0	101.8 (114T)	010.0	09800
	PAGRE	PAGRE	010		IF		FB				
	PAGRE	HAQHY	020	IAF	TF		FB	2.0	003.5 (016T)	009.9	11400
	PAGRE	BRUUK	030		TF		FB	1.0	101.8 (114T)	010.0	09800
		BRUUK	010	FACF	IF		FB				09800
		WIDRU	020	PAF	TF		FB	1.0	167.8 (180T)	006.1	08100
		ZIMVI	021	SDF	TF		FB	0.3	167.8 (180T)	003.3	0702007035
		YECTU	022	SDF	TF		FB	0.3	167.8 (180T)	002.0	0638006386
		RW17	030	MAP	TF		FO	0.3	167.8 (180T)	002.0	05746

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PAGRE	040		DF	R	FO	1.0			11000
	PAGRE	050		HM	R	FO	2.0	106.5 (119T)	007.0	11000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BRUUK	N384509.55	W1075337.09	N3845.159	W10753.618
	DIRDY	N385548.18	W1073054.31	N3855.803	W10730.905
	GEJYU	N384717.85	W1074107.62	N3847.298	W10741.127
	HAQHY	N384912.19	W1080519.02	N3849.203	W10805.317
	MEYRS	N382846.77	W1072745.93	N3828.780	W10727.766
	NADIN	N382952.43	W1081735.03	N3829.874	W10817.584
	PAGRE	N383937.20	W1080843.02	N3839.620	W10808.717
	WIDRU	N383902.62	W1075335.61	N3839.044	W10753.594
	YECTU	N383347.51	W1075334.35	N3833.792	W10753.573
	ZIMVI	N383547.63	W1075334.83	N3835.794	W10753.581
	RW17	N383147.39	W1075333.87	N3831.790	W10753.565

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH

CITY AND STATE MONTROSE, CO	ELEVATION: 5759 TDZE: 5704	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 17, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: MONTROSE RGNL			AMD'T: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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RW17 05690 56

CITY AND STATE
MONTROSE, CO

ELEVATION: 5759 TDZE: 5704
AIRPORT NAME:
MONTROSE RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 17, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOLIT INT/9.95 DME	TWF VORTAC	357.46 / 9.95	8300
CEEDY INT/20.16 DME	WODEN INT/13.00 DME	292.08 / 7.17 (TWF R-112)	10500
WODEN INT/13.00 DME	TWF VORTAC	292.08 / 13.00	8900

THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 09-9.
 CORRECTS TERMINAL ROUTE FROM HOLIT INT/9.88 DME TO HOLIT INT/9.95 DME DUE TO TYPOGRAPHICAL ERROR.

MISSED APPROACH

MAP: TWF VORTAC

CLIMB TO 6000 THEN LEFT TURN DIRECT TWF VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 113.00 INBOUND.
 CHART FAS OBST: 4379 TREE 422742N/1143044W
 CHART VDP AT 1.99 DME;
 DISTANCE VDP TO THLD 1.38 MILES.
 FAC CROSSES RWY C/L EXTENDED 3007 FROM THLD.

1. PT R SIDE OF COURSE 257.01 OUTBOUND 6000 FT WITHIN 10 MILES OF TWF VORTAC (IAF)
2. _____
3. FAC 077.01 FAF _____ DIST FAF TO MAP _____ THLD _____
4. MIN. ALT AZAJI/TWF 2.80 DME 4920*
8. MSA FROM: TWF VORTAC 040-150 9300, 150-240 8800, 240-040 6200

MAG VAR: 18E

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:	STANDARD	X	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-7	4920	1	771	4920	1 1/4	771	4920	2 1/4	771	4920	2 1/2	771			
CIRCLING	4920	1	766	4920	1 1/4	766	4920	2 1/4	766	4920	2 1/2	766			

AZAJI FIX MINIMUMS

S-7	4640	1	491	4640	1	491	4640	1 1/4	491	4640	1 1/2	491			
CIRCLING	4680	1	526	4720	1	566	4740	1 1/2	586	4800	2	646			

NOTES:

*4980 WHEN USING JEROME ALTIMETER SETTING

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

ALL MDA 60FT AND VISIBILITY CAT C AND D 1/4 MILE.

CHART NOTE: VDP NA WHEN USING JEROME ALTIMETER SETTING

@ CAT C 800-2 1/4, CAT D 800-2 1/2

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE TWIN FALLS, ID	ELEVATION: 4154 TDZE: 4149 AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	FACILITY IDENTIFIER: TWF	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 7, AMDT 4 07 MAY 2009	SUP VOR OR GPS RWY 7
				AMDT 3A
				DATE 07/05/2007

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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				
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3200 DIRECT TEGAE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 129.85 INBOUND. CHART FAS OBST: 1519 TREE 472929N/0945455W CHART 1859 OL ON TV MAST 472653N/0944932W. CHART 1880 TOWER 472808N/0944924W. CHART 1517 WATER TANK 472857N/0945338W. DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.10 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 99711 REFERENCE PATH ID: W31A CHART TDZE 1389. CHART APT ELEV 1391.				
UDAYU (IAF)	OMIGY (NOPT) (FB)	220.22 / 5.00	3200					
WOFPE (IAF)	OMIGY (NOPT) (FB)	040.10 / 5.00	3200					
OMIGY (IF/IAF)	IPEMY (FB)	310.16 / 6.10	3200					
This is a corrected copy of a procedure published in TL 09-08, dated 03.06.09. * Fix UDAYU coordinates changed on 8260-10 - pages 4 and 6. *								
1 PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2 HOLD SE OMIGY, RT, 310.16 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: 310.08 FAF: IPEMY _____ DIST FAF TO MAP: 5.48 THLD: 5.48 4. MIN. ALT: OMIGY 3200, IPEMY 3200, HIPAV/2.60 NM TO RW31 2260* 5. DIST TO THLD FROM OM: _____ MM _____ IM _____ 150 HAT _____ 100 HAT _____ GS ANT: _____ 6. MIN GS INCPT. 3200 GS ALT AT IPEMY _____ OM _____ MM _____ IM: _____ 7 GS ANGLE 3.00 TCH 45.1 34:1 IS CLEAR 8 MSA FROM _____				MAG VAR: 4E EPOCH YEAR 1990				
MINIMUMS								
TAKEOFF	STANDARD	X	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
LPV DA	1589	1/2	200	1589	1/2	200	1589	1/2
LNAV/VNAV DA	1825	1	436	1825	1	436	1825	1
LNAV MDA	1780	1/2	391	1780	1/2	391	1780	1
CIRCLING	1840	1	449	1860	1	469	1860	1 1/2
NOTES CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE. CHART NOTE: BARO-VNAV NA WHEN USING PARK RAPIDS ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10								
CITY AND STATE		ELEVATION: 1391 TDZE: 1389		FACILITY IDENTIFIER		PROCEDURE NO./AMDT NO./EFFECTIVE DATE		SUP
BEMIDJI, MN		AIRPORT NAME		RNAV		RNAV (GPS) RWY 31, AMDT 1		AMDT ORIG-A
		BEMIDJI RGNL				07 MAY 2009		DATED 04/19/2000

CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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
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NOTES CONT.

*LNAV ONLY

CHART NOTE: VDP NA WHEN USING PARK RAPIDS ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARK RAPIDS ALTIMETER SETTING AND INCREASE ALL DA 93 FEET AND ALL MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING PARK RAPIDS ALTIMETER SETTING, INCREASE LPV VISIBILITY TO 1 MILE ALL CATS.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	220/30 CW 040/30 (NOPT)	220/14 CW 040/14	3400
	220/14 CW 040/14	OMIGY (IF/IAF) (FB)	3200
2.	040/30 CW 130/30	040/15 CW 130/15	3500
	040/15 CW 130/15	WOFPE (IAF) (FB)	3200
3.	130/30 CW 220/30	130/15 CW 220/15	3500
	130/15 CW 220/15	UDAYU (IAF) (FB)	3200

CITY AND STATE

BEMIDJI, MN

ELEVATION: 1391 TDZE: 1389

AIRPORT NAME:

BEMIDJI RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO / AMDT NO /EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG-A

DATED: 04/19/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KBJI
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	473018.3925N
LTP/FTP LONGITUDE	0945535.1045W
LTP/FTP ELLIPSOIDAL HEIGHT	+03939
FPAP LATITUDE	473106.4700N
FPAP LONGITUDE	0945648.5800W
THRESHOLD CROSSING HEIGHT (TCH)	00045 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

CRC REMAINDER

97E40F5D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04209
FPAP ORTHOMETRIC HEIGHT	+04219

CITY AND STATE BEMIDJI, MN	ELEVATION 1391 TDZE 1389 AIRPORT NAME BEMIDJI RGNL	FACILITY IDENTIFIER. RNAV	PROCEDURE NO / AMDT NO /EFFECTIVE DATE RNAV (GPS) RWY 31, AMDT 1 07 MAY 2009	SUP
				AMDT ORIG-A
				DATED 04/19/2000

CHECKED
2

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[illegible][illegible][illegible][illegible][illegible]

SUP:	
AMDT:	ORIG-A
DATED:	04/19/2000

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP KBJIK3PR31 RW31 001 0000W31A0N4730183925W09455351045+039390300N4731064700W09456485800106750000000451F40035097E40F5D
SUSAP KBJIK3PR31 RW31 002E +04219+04209LPV 99711 000

CITY AND STATE

BEMIDJI, MN

ELEVATION: 1391 TDZE: 1389

AIRPORT NAME:

BEMIDJI RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG-A

DATED: 04/19/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OMIGY	OMIGY	010		HF	R	FB		310.2 (314T)	004.0	03200
	UDAYU	UDAYU	010	IAF	IF		FB				
	UDAYU	OMIGY	020		TF		FB	1.0	220.2 (224T)	005.0	03200
	WOFPE	WOFPE	010	IAF	IF		FB				
	WOFPE	OMIGY	020		TF		FB	1.0	040.1 (044T)	005.0	03200
		OMIGY	010	FACF	IF		FB				03200
		IPEMY	020	FAF	TF		FB	0.5	310.2 (314T)	006.1	03200
		HIPAV	021	SDF	TF		FB	0.3	310.1 (314T)	002.9	0226002263
		RW31	030	MAP	TF		FO	0.3	310.1 (314T)	002.6	01429

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TEGAE	040		DF		FO	1.0			03200
	TEGAE	050		HM	R	FO	2.0	129.9 (134T)	004.0	03200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIPAV	N472830.03	W0945249.70	N4728.501	W09452.828
	IPEMY	N472630.05	W0944946.91	N4726.501	W09449.782
	OMIGY	N472215.26	W0944319.90	N4722.254	W09443.332
	TEGAE	N473907.24	W0950906.56	N4739.121	W09509.109
	UDAYU	N472550.25	W0943812.06	N4725.838	W09438.201
	WOFPE	N471840.04	W0944827.04	N4718.667	W09448.451
	RW31	N473018.39	W0945535.10	N4730.307	W09455.585

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01384	45

CITY AND STATE
BEMIDJI, MN

ELEVATION: 1391 TDZE: 1389
 AIRPORT NAME:
 BEMIDJI RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 31, AMDT 1
 07 MAY 2009

SUP:
 AMDT: ORIG-A
 DATED: 04/19/2000

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV: RW26 CLIMB TO 5000 DIRECT STAZY AND VIA TRACK 185.28 TO YUXBU AND VIA TRACK 115.36 TO KULOA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 345.64 INBOUND. FAS OBST: 649 AAO 460948N/1234647W DISTANCE TO THLD FROM 286 HAT: 0.73 NM. WAAS CHANNEL # 97711 REFERENCE PATH ID: W26A								
AST VOR/DME	QAARY (FO)	077.01 / 16.36	5000									
OLM VORTAC	AMRCN (FB)	187.04 / 50.96	5400									
PITER	LUKYI (FB)	288.52 / 18.37	4500									
AMRCN (IAF)	QAARY (NOPT) (FB)	186.65 / 5.00	4500									
LUKYI (IAF)	QAARY (NOPT) (FB)	288.27 / 5.00	4500									
QAARY (IF/IAF)	YUZPI (FB)	256.77 / 4.95	3600									
YUZPI	RROCK (FB)	256.70 / 1.07	3300									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E QAARY, RT, 256.77 INBOUND, 4500 FT. IN LIEU OF PT (IAF) 3. FAC: 256.67 FAF: RROCK DIST FAF TO MAP: 9.88 THLD: 9.88 4. MIN. ALT: QAARY 4500, YUZPI 3600, RROCK 3300, IPUPE/4.80 NM TO RW26 1600* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3300 GS ALT AT: RROCK _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.7 34:1 IS NOT CLEAR 8. MSA FROM: RW26 4500				MAG VAR: 19E EPOCH YEAR: 1990								
MINIMUMS												
TAKEOFF:	STANDARD	X	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
LPV DA	300	1	286	300	1	286	300	1	286			
LNAV MDA	900	1 1/4	886	900	1 1/4	886	900	2 3/4	886	900	3	886
CIRCLING	900	1 1/4	885	900	1 1/4	885	900	2 3/4	885	900	3	885
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OLM VORTAC VIA V287 NORTHBOUND. SEE 8260-10												
CITY AND STATE		ELEVATION: 15 TDZE: 14		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
ASTORIA, OR		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 26, ORIG		AMDT: NONE				
		ASTORIA REGIONAL				07 MAY 2009		DATED				

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

*RNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KELSO ALTIMETER SETTING AND INCREASE ALL DA 95 FT AND ALL MDA 100FT; INCREASE LPV ALL CATS, RNAV CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

THIS IS A CORRECTED COPY PUBLISHED IN TL 09-09. CORRECTED ARINC CODING 8260-10 SEGMENT ROUTE R, 020 AND R, 030 COLUMNS 71 THRU 74 BY CHANGING THE FINAL ACPH CRS FROM TRUE CRS 2758 TO MAGNETIC CRS 2567. CORRECTED SEGMENT ROUTE R, 030 COLUMN 41 NOW HAS WAYPOINT DESCRIPTION CODE "Y" VERSUS BEING A BLANK. MISSED APCH WORDING MOVED THE WORD "TRACK" TO BE PRIOR TO THE NUMERICAL HEADING. ARINC FLIGHT INSPECTION SUMMARY SHEET CHANGED RW26 MAP FROM "FB" TO A "FO".

CITY AND STATE

ASTORIA, OR

ELEVATION: 15 TDZE: 14

AIRPORT NAME:

ASTORIA REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KAST
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	460930.5900N
LTP/FTP LONGITUDE	1235211.0900W
LTP/FTP ELLIPSOIDAL HEIGHT	-00198
FPAP LATITUDE	460935.4000N
FPAP LONGITUDE	1235323.0800W
THRESHOLD CROSSING HEIGHT (TCH)	00055.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	86.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	C073339F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00037
FPAP ORTHOMETRIC HEIGHT	+00037

CITY AND STATE ASTORIA, OR	ELEVATION: 15 TDZE: 14 AIRPORT NAME: ASTORIA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KASTK1FR26	A	A	010	A	I	F				18000		A	J
SUSAP KASTK1FR26	A	A	020	Q	A	A	07700	164	+	05000		A	J
SUSAP KASTK1FR26	A	A	030	Q	A	A	25680	050	+	04500		A	J
SUSAP KASTK1FR26	A	A	010	L	M	I				18000		A	J
SUSAP KASTK1FR26	A	A	020	A	M	R	18700	0510	+	05400		A	J
SUSAP KASTK1FR26	A	A	030	Q	A	A	18670	0050	+	04500		A	J
SUSAP KASTK1FR26	A	P	010	P	I	T				18000		A	J
SUSAP KASTK1FR26	A	P	020	L	U	K	28850	184	+	04500		A	J
SUSAP KASTK1FR26	A	P	030	Q	A	A	28830	0050	+	04500		A	J
SUSAP KASTK1FR26	R		010	Q	A	A				18000		A	J
SUSAP KASTK1FR26	R		011	Y	U	Z	25680	0050	+	03600		A	J

CITY AND STATE ASTORIA, OR	ELEVATION: 15 TDZE: 14 AIRPORT NAME: ASTORIA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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[illegible]

SUP: _____
AMDT: **NONE**
DATED: _____

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTE	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AST	AST	010		IF		FB				
	AST	QAARY	020	IAF	TF		FO	2.0	077.0 (096T)	016.4	05000
	AST	QAARY	030		HF	R	FO		256.8 (276T)	005.0	04500
	OLM	OLM	010		IF		FB				
	OLM	AMRCN	020	IAF	TF		FB	2.0	187.0 (206T)	051.0	05400
	OLM	QAARY	030		TF		FB	1.0	186.7 (206T)	005.0	04500
	PITER	PITER	010		IF		FB				
	PITER	LUKYI	020	IAF	TF		FB	2.0	288.5 (308T)	018.4	04500
	PITER	QAARY	030		TF		FB	1.0	288.3 (307T)	005.0	04500
		QAARY	010	FACF	IF		FB				04500
		YUZPI	011	SDF	TF		FB	0.5	256.8 (276T)	005.0	03600
		RROCK	020	FAF	TF		FB	0.5	256.7 (276T)	001.1	03300
		IPUPE	021	SDF	TF		FB	0.3	256.7 (276T)	005.1	0160001618
		RW26	030	MAP	TF		FO	0.3	256.7 (276T)	004.8	00068

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	STAZY	040		DF		FB	1.0			
	YUXBU	050		TF		FB	1.0	185.3 (204T)		
	KULOA	060		TF		FO	1.0	115.4 (134T)		05000
	KULOA	070		HM	L	FO	2.0	345.6 (005T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AST	N460942.12	W1235249.36	N4609.702	W12352.823
	OLM	N465817.90	W1225406.60	N4658.298	W12254.110
	AMRCN	N461227.32	W1232618.91	N4612.455	W12326.315
	IPUPE	N460902.79	W1234518.74	N4609.047	W12345.312
	KULOA	N455900.61	W1235404.10	N4559.010	W12354.068
	LUKYI	N460455.45	W1232342.33	N4604.924	W12323.706
	PITER	N455346.17	W1230246.31	N4553.770	W12302.772
	QAARY	N460756.92	W1232925.62	N4607.949	W12329.427
	RROCK	N460832.93	W1233802.61	N4608.549	W12338.044
	STAZY	N460954.12	W1235805.09	N4609.902	W12358.085
	YUXBU	N460414.96	W1240144.83	N4604.249	W12401.747
	YUZPI	N460826.56	W1233630.58	N4608.443	W12336.510
	RW26	N460930.59	W1235211.09	N4609.510	W12352.185

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			

CITY AND STATE
ASTORIA, OR

ELEVATION: 15 TDZE: 14
AIRPORT NAME:
ASTORIA REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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RW26 00012 56

CITY AND STATE
ASTORIA, OR

ELEVATION: 15 TDZE: 14
AIRPORT NAME:
ASTORIA REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
YELUV (IAF)	DAFHY (NOPT) (FB)	218.96 / 5.00	4100	LPV: DA LNAV/VNAV: DA LNAV: RW13
BIMAC (IAF)	DAFHY (NOPT) (FB)	038.84 / 5.00	4100	
DAFHY (IF/IAF)	CHEKK (FB)	128.90 / 6.08	3800	CLIMB TO 4100 DIRECT AGUFY AND HOLD.
This is a corrected copy of a procedure published in TL 09-09, dated 03.20.09.				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 309.17 INBOUND. CHART FAS OBST: 2150 TREE 432405N/0995202W DISTANCE TO THLD FROM 250 HAT: 0.69 NM. CHART VDP AT 1.35 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 61212 REFERENCE PATH ID: W13A

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW DAFHY, RT, 128.90 INBOUND, 4100 FT. IN LIEU OF PT (IAF)
3. FAC: 128.97 FAF: CHEKK DIST FAF TO MAP: 5.42 THLD: 5.42
4. MIN. ALT: DAFHY 4100, CHEKK 3800, SKAMP/2.40 NM TO RW13 2800*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3800 GS ALT AT: CHEKK OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 38.3 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 6E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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		2270	1	250	2270	1	250	2270	1	250		NA				
LNAV/VNAV DA		2456	1 1/2	436	2456	1 1/2	436	2456	1 1/2	436		NA				
LNAV MDA		2480	1	460	2480	1	460	2480	1 1/4	460		NA				
CIRCLING		2580	1	547	2580	1	547	2680	1 3/4	647		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.

*LNAV ONLY

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F).

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
1
CHECKED

CITY AND STATE WINNER, SD	ELEVATION: 2033 TDZE: 2020 AIRPORT NAME: WINNER RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VALENTINE, NE ALTIMETER SETTING AND

INCREASE ALL DA/MDA 240 FT; INCREASE LPV ALL CATS VISIBILITY 3/4 MILE, LNAV/VNAV ALL CATS

VISIBILITY 1 MILE, LNAV CAT C VISIBILITY 3/4 MILE, CIRCLING CAT B VISIBILITY 1/4 MILE AND CAT C

VISIBILITY 1 MILE.

TAA

	FROM	TO	ALT
1.	039/30 CW 219/30 (NOPT) 039/10 CW 219/10	039/10 CW 219/10 DAFHY (IF/IAF) (FB)	4300 4100
2.	219/30 CW 309/30	YELUV (IAF) (FB)	4100
3.	309/30 CW 039/30	BIMAC (IAF) (FB)	4300

CITY AND STATE

WINNER, SD

ELEVATION: 2033 TDZE: 2020
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WINNER RGNL

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RNAV (GPS) RWY 13, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

**RNAV (GPS) 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	KICR
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W13A
REFERENCE PATH IDENTIFIER (APPROACH ID)	432338.7400N
LTP/FTP LATITUDE	0995050.1920W
LTP/FTP LONGITUDE	+05877
LTP/FTP ELLIPSOIDAL HEIGHT	432235.6800N
FPAP LATITUDE	0994923.8500W
FPAP LONGITUDE	00038.3
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1376
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

313A424C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+06130
FPAP ORTHOMETRIC HEIGHT	+06130

CITY AND STATE

WINNER, SD

ELEVATION: 2033 TDZE: 2020

AIRPORT NAME:

WINNER RGNL

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RNAV (GPS) RWY 13, ORIG

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KICRK3FR13	ABIMAC	010BIMACK3EA0E	A	IF					18000		A	JS	G
SUSAP KICRK3FR13	ABIMAC	020DAFHYK3EA0EE	010TF			03880050		+ 04100			A	JS	G
SUSAP KICRK3FR13	ADAFHY	010DAFHYK3EA0EE	CR	HF		12890050		+ 04100	18000		A	JS	G
SUSAP KICRK3FR13	AYELUV	010YELUVK3EA0E	A	IF					18000		A	JS	G
SUSAP KICRK3FR13	AYELUV	020DAFHYK3EA0EE	010TF			21900050		+ 04100			A	JS	G
SUSAP KICRK3FR13	R	010DAFHYK3EA0E	I	IF				+ 04100	18000		A	JS	G
SUSAP KICRK3FR13	R	020CHEKKK3EA1E	F	051TF		12890061		+ 03800			A	JS	G
SUSAP KICRK3FR13	R	020CHEKKK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	G
SUSAP KICRK3FR13	R	021SKAMPK3EA0E	S	031TF		12900030		V 0280002819		-300	A	JS	G
SUSAP KICRK3FR13	R	030RW13 K3PGOGY	M	031TF		12900024		02049		-300	A	JS	G
SUSAP KICRK3FR13	R	040AGUFYK3EA0EYM	010DF					+ 04100			A	JS	G
SUSAP KICRK3FR13	R	050AGUFYK3EA0EE	HR020HM			30920050		+ 04100			A	JS	G

[illegible][illegible]

CITY AND STATE WINNER, SD	ELEVATION: 2033 TDZE: 2020 AIRPORT NAME: WINNER RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP KICRK3PR13 RW13 001 0000W13A0N4323387400W09950501920+058770300N4322356800W09949238500106751376000383F400500313A424CG
SUSAP KICRK3PR13 RW13 002E +06130+06130LPV 61212 000 G

CITY AND STATE

WINNER, SD

ELEVATION: 2033 TDZE: 2020
AIRPORT NAME:
WINNER RGNL

FACILITY
IDENTIFIER:
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, ORIG
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RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BIMAC	BIMAC	010	IAF	IF		FB				
	BIMAC	DAFHY	020		TF		FB	1.0	038.8 (045T)	005.0	04100
	DAFHY	DAFHY	010		HF	R	FB		128.9 (135T)	005.0	04100
	YELUV	YELUV	010	IAF	IF		FB				
	YELUV	DAFHY	020		TF		FB	1.0	219.0 (225T)	005.0	04100
		DAFHY	010	FACF	IF		FB				04100
		CHEKK	020	FAF	TF		FB	0.5	128.9 (135T)	006.1	03800
		SKAMP	021	SDF	TF		FB	0.3	129.0 (135T)	003.0	0280002819
		RW13	030	MAP	TF		FO	0.3	129.0 (135T)	002.4	02049

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AGUFY	040		DF		FO	1.0			04100
	AGUFY	050		HM	R	FO	2.0	309.2 (315T)	005.0	04100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGUFY	N431445.65	W0993842.63	N4314.761	W09938.711
	BIMAC	N432813.79	W1000651.33	N4328.230	W10006.856
	CHEKK	N432728.52	W0995605.46	N4327.475	W09956.091
	DAFHY	N433146.43	W1000200.52	N4331.774	W10002.009
	SKAMP	N432520.61	W0995309.84	N4325.344	W09953.164
	YELUV	N433518.86	W0995709.15	N4335.314	W09957.153
	RW13	N432338.74	W0995050.19	N4323.646	W09950.837

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	02011	38

CITY AND STATE
WINNER, SD

ELEVATION: 2033 TDZE: 2020
 AIRPORT NAME:
WINNER RGNL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, ORIG
07 MAY 2009

SUP:
 AMDT: **NONE**
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES						MISSED APPROACH											
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 4100 DIRECT DAFHY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 128.90 INBOUND. CHART FAS OBST: 2032 ROAD 432307N/0994956W CHART FAS OBST: 2183 TREE 432134N/0994825W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. CHART VDP AT 1.21 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 97612 REFERENCE PATH ID: W31A									
LUBLY (IAF)		AGUFY (NOPT) (FB)		039.1° / 5.00		4100											
HEIDY (IAF)		AGUFY (NOPT) (FB)		219.23 / 5.00		4100											
AGUFY (IF/IAF)		NOCHE (FB)		309.17 / 6.10		3900											
This is a corrected copy of a procedure published in TL 09-09, dated 03.20.09.																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE AGUFY, RT, 309.17 INBOUND, 4100 FT. IN LIEU OF PT (IAF) 3. FAC: 309.10 FAF: NOCHE DIST FAF TO MAP: 5.70 THLD: 5.70 4. MIN. ALT: AGUFY 4100, NOCHE 3900, ZELIK/2.90 NM TO RW31 2980* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3900 GS ALT AT: NOCHE OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 34.7 34:1 IS CLEAR 8. MSA FROM: _____												MAG VAR: 6E EPOCH YEAR: 2010					
MINIMUMS																	
TAKEOFF: _____		STANDARD ☒		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		
LPV DA	2271	1	250	2271	1	250	2271	1	250		NA						
LNAV/VNAV DA	2581	2	560	2581	2	560	2581	2	560		NA						
LNAV MDA	2440	1	419	2440	1	419	2440	1 1/4	419		NA						
CIRCLING	2580	1	547	2580	1	547	2680	1 3/4	647		NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VALENTINE, NE ALTIMETER SETTING AND INCREASE ALL DA/MDA 240 FT; INCREASE LPV ALL CATS VISIBILITY 3/4 MILE, LNAV/VNAV ALL CATS SEE 8260-10																	
CITY AND STATE				ELEVATION: 2033 TDZE: 2021				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
WINNER, SD				AIRPORT NAME: WINNER RGNL				RNAV (GPS) RWY 31, ORIG				07 MAY 2009				AMDT: NONE	
														DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

VISIBILITY 1 MILE, LNAV CAT C VISIBILITY 1/2 MILE, CIRCLING CAT B VISIBILITY 1/4 MILE AND CAT C

VISIBILITY 1 MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F).

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

TAA

	FROM	TO	ALT
1.	219/30 CW 039/30 (NOPT)	AGUFY (IF/IAF) (FB)	4100
2.	039/30 CW 129/30	LUBLY (IAF) (FB)	4200
3.	129/30 CW 219/30	HEIDY (IAF) (FB)	4100

QUALITY
7
CHECKED

CITY AND STATE

WINNER, SD

ELEVATION: 2033 TDZE: 2021

AIRPORT NAME:

WINNER RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

**RNAV (GPS) 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	KICR
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	432307.2950N
LTP/FTP LONGITUDE	0995007.1330W
LTP/FTP ELLIPSOIDAL HEIGHT	+05905
FPAP LATITUDE	432410.3500N
FPAP LONGITUDE	0995133.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00034.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

26A91AF8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+06158
FPAP ORTHOMETRIC HEIGHT	+06158

CITY AND STATE

WINNER, SD

ELEVATION: 2033	TDZE: 2021
AIRPORT NAME:	
WINNER RGNL	

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, ORIG
07 MAY 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KICRK3FR31	AAGUFY	010AGUFYK3EA0EE	CR	HF			30920050	+	04100	18000		A JS	G
SUSAP KICRK3FR31	AHEIDY	010HEIDYK3EA0E	A	IF						18000		A JS	G
SUSAP KICRK3FR31	AHEIDY	020AGUFYK3EA0EE		010TF			21920050	+	04100			A JS	G
SUSAP KICRK3FR31	ALUBLY	010LUBLYK3EA0E	A	IF						18000		A JS	G
SUSAP KICRK3FR31	ALUBLY	020AGUFYK3EA0EE		010TF			03910050	+	04100			A JS	G
SUSAP KICRK3FR31	R	010AGUFYK3EA0E	I	IF				+	04100	18000		A JS	G
SUSAP KICRK3FR31	R	020NOCHEK3EA1E	F	051TF			30920061	+	03900			A JS	G
SUSAP KICRK3FR31	R	020NOCHEK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	G
SUSAP KICRK3FR31	R	021ZELIKK3EA0E	S	031TF			30910028	V	0298002987	-300		A JS	G
SUSAP KICRK3FR31	R	030RW31 K3PG0GY	M	031TF			30910029		02056	-300		A JS	G
SUSAP KICRK3FR31	R	040DAFHYK3EA0EYM		010DF				+	04100			A JS	G
SUSAP KICRK3FR31	R	050DAFHYK3EA0EE	HR020HM				12890050	+	04100			A JS	G

[illegible][illegible]

CITY AND STATE WINNER, SD	ELEVATION: 2033 TDZE: 2021 AIRPORT NAME: WINNER RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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SUSAP KICRK3PR31 RW31 001 0000W31A0N4323072950W09950071330+0590503000N4324103500W09951334900106751376000347F40050026A91AF8G
SUSAP KICRK3PR31 RW31 002E +06158+06158LPV 97612 000 G

CITY AND STATE

WINNER, SD

ELEVATION: 2033 TDZE: 2021

AIRPORT NAME:

WINNER RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AGUFY	AGUFY	010		HF	R	FB		309.2 (315T)	005.0	04100
	HEIDY	HEIDY	010	IAF	IF		FB				
	HEIDY	AGUFY	020		TF		FB	1.0	219.2 (225T)	005.0	04100
	LUBLY	LUBLY	010	IAF	IF		FB				
	LUBLY	AGUFY	020		TF		FB	1.0	039.1 (045T)	005.0	04100
		AGUFY	010	FACF	IF		FB				04100
		NOCHE	020	FAF	TF		FB	0.5	309.2 (315T)	006.1	03900
		ZELIK	021	SDF	TF		FB	0.3	309.1 (315T)	002.8	0298002987
		RW31	030	MAP	TF		FO	0.3	309.1 (315T)	002.9	02056

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DAFHY	040		DF		FO	1.0			04100
	DAFHY	050		HM	R	FO	2.0	128.9 (135T)	005.0	04100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGUFY	N431445.65	W0993842.63	N4314.761	W09938.711
	DAFHY	N433146.43	W1000200.52	N4331.774	W10002.009
	HEIDY	N431817.09	W0993351.25	N4318.285	W09933.854
	LUBLY	N431114.00	W0994333.45	N4311.233	W09943.558
	NOCHE	N431905.01	W0994435.94	N4319.084	W09944.599
	ZELIK	N432104.12	W0994718.62	N4321.069	W09947.310
	RW31	N432307.30	W0995007.13	N4323.122	W09950.119

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	02021	35

CITY AND STATE
WINNER, SD

ELEVATION: 2033 TDZE: 2021
 AIRPORT NAME:
WINNER RGNL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, ORIG
07 MAY 2009

SUP:
 AMDT: **NONE**
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE		ALTITUDE									
MWH VOR/DME		TICYU (FO)		342.90 / 14.44		4000		LPV: DA LNAV/VNAV: DA LNAV: RW21							
WIPES (IAF)		TICYU (NOPT) (FB)		268.83 / 9.07		3800		CLIMB TO 4500 DIRECT UDECU AND HOLD.							
TICYU (IF/IAF)		CIGUM (FB)		206.85 / 6.08		2900									
THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 09-9. UPDATED ARINC PAGES ON PAGE 4 AND 5.										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 026.55 INBOUND. CHART FAS OBST: 1349 TREE 471903N/1193010W 1479 AAO 472212N/1192433W DISTANCE TO THLD FROM 250 HAT: 0.67 NM. CHART VDP AT 1.09 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 82308 REFERENCE PATH ID: W21A					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE TICYU, RT, 206.85 INBOUND, 3800 FT. IN LIEU OF PT (IAF) 3. FAC: 206.78 FAF: CIGUM _____ DIST FAF TO MAP: 4.92 THLD: 4.92 4. MIN. ALT: TICYU 3800, CIGUM 2900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: CIGUM _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.0 34:1 IS CLEAR 8. MSA FROM: RW21 5200															
										MAG VAR: 16E EPOCH YEAR: 2010					
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1526	1	250	1526	1	250	1526	1	250	1526	1	250			
LNAV/VNAV DA	2169	4	893	2169	4	893	2169	4	893	2169	4	893			
LNAV MDA	1660	1	384	1660	1	384	1660	1	384	1660	1 1/4	384			
CIRCLING	1720	1	444	1740	1	464	1780	1 1/2	504	2500	3	1224			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MWH VOR/DME VIA V497 SOUTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIPES VIA V120 NORTHEAST BOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 1276 TDZE: 1276		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
EPHRATA, WA		AIRPORT NAME: EPHRATA MUNI				RNAV (GPS) RWY 21, ORIG 07 MAY 2009				AMDT: NONE					
										DATED					

QUALITY
2
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MOSES LAKE/GRANT COUNTY INTL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOSES LAKE/GRANT COUNTY INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET. INCREASE LNAV CAT C VISIBILITY 1/4 MILE.

QUALITY
2
CHECKED

CITY AND STATE

EPHRATA, WA

ELEVATION: 1276 TDZE: 1276

AIRPORT NAME:

EPHRATA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KEPH
RUNWAY RW21
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W21A
LTP/FTP LATITUDE 471900.9900N
LTP/FTP LONGITUDE 1193024.7100W
LTP/FTP ELLIPSOIDAL HEIGHT +03684
FPAP LATITUDE 471755.5500N
FPAP LONGITUDE 1193153.5200W
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 1072
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

1E1934F2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +03888
FPAP ORTHOMETRIC HEIGHT +03888

QUALITY
2
CHECKED

CITY AND STATE EPHRATA, WA	ELEVATION: 1276 TDZE: 1276 AIRPORT NAME: EPHRATA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

CITY AND STATE EPHRATA, WA	ELEVATION: 1276 TDZE: 1276 AIRPORT NAME: EPHRATA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

PP 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KEPHK1PR21 RW21 001 0000W21A0N4719009900W11930247100+036840300N4717555500W11931535200106751072000510F4005001E1934F2
SUSAP KEPHK1PR21 RW21 002E +03888+03888LPV 82308

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KEPHK1SRW21 K1PG			0	18018005225							M	

CITY AND STATE
EPHRATA, WA

ELEVATION: 1276 TDZE: 1276
AIRPORT NAME:
EPHRATA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	MWH	MWH	010		IF		FB				
	MWH	TICYU	020		TF		FO	2.0	342.9(359T)	014.4	04000
	MWH	TICYU	030		HF	R	FO		206.9(223T)	004.0	03800
	WIPES	WIPES	010	IAP	IF		FB				
	WIPES	TICYU	020		TF		FB	1.0	268.8(285T)	009.1	03800
		TICYU	010	PACF	IF		FB				03800
		CIGUM	020	PAF	TF		FB	0.5	206.9(223T)	006.1	02900
		RW21	030	MAP	TF		FO	0.3	206.8(223T)	004.9	01327

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	UDECU	040		DF		FO	1.0			04500
	UDECU	050		HM	R	FO	2.0	026.6(043T)	005.0	04500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MWH	N471239.11	W1191900.54	N4712.652	W11919.009
	CIGUM	N472237.55	W1192530.16	N4722.626	W11925.503
	TICYU	N472705.10	W1191924.95	N4727.085	W11919.416
	UDECU	N470834.31	W1194431.74	N4708.572	W11944.529
	WIPES	N472446.55	W1190629.42	N4724.776	W11906.490
	RW21	N471900.99	W1193024.71	N4719.017	W11930.412

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	01276	51

QUALITY
2
CHECKED

CITY AND STATE
EPHRATA, WA

ELEVATION: 1276 TDZE: 1276
 AIRPORT NAME:
 EPHRATA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 21, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30660 Amdt. No 3316]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This establishes, amends, suspends, or revokes
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 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. FAA Rules Docket, FAA Headquarters Building,
800 Independence Avenue, SW., Washington, DC 20591;
2. The FAA Regional Office of the region in which the
affected airport is located;
3. The National Flight Procedures Office, 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 <http://www.nfdc.faa.gov>
to register. Additionally, individual SIAP and Takeoff Minimums
and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters
Building, 800 Independence Avenue, SW., Washington, DC 20591; or
2. The FAA Regional Office of the region in which the
affected airport is located.

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, 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 revoking SIAPS, Takeoff Minimums and/or ODPS. The complete regulators 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, in addition to their complex nature and the need for a special format make publication in the Federal Register expensive and impractical. Furthermore, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their depiction on charts printed by publishers of aeronautical materials. The advantages of incorporation by reference are realized and publication of the complete description of each SIAP, Takeoff Minimums and ODP listed on FAA forms is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs and the effective dates of the, associated Takeoff Minimums and ODPs. This amendment also identifies the airport and its location, the procedure, and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as contained 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 which 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 procedures before adopting these SIAPS, Takeoff Minimums and ODPS are impracticable and contrary to the public interest and, where applicable, that good cause exists for making some SIAPS effective in less than 30 days.

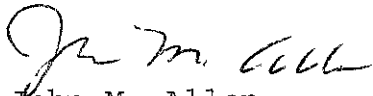
CONCLUSION

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, and Navigation (Air).

Issued in Washington, DC on April 3, 2009



John M. Allen
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 revoking Standard Instrument Approach Procedures and/or Takeoff Minimums and/or Obstacle Departure Procedures effective at 0902 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(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

Effective 07 MAY 2009

Iliamna, AK, Iliamna, RNAV (GPS) RWY 25, Amdt 1
Iliamna, AK, Iliamna, RNAV (GPS) RWY 35, Amdt 1
Davis Woodland Winter, CA, Yolo County, GPS RWY 16, Orig, CANCELLED
Davis Woodland Winter, CA, Yolo County, GPS RWY 34, Orig, CANCELLED
Davis Woodland Winter, CA, Yolo County, RNAV (GPS) RWY 16, Orig
Davis Woodland Winter, CA, Yolo County, RNAV (GPS) RWY 34, Orig
Davis Woodland Winter, CA, Yolo County, Takeoff Minimums and Obstacle DP, Amdt 1
Davis Woodland Winter, CA, Yolo County, VOR RWY 34, Orig-A, CANCELLED
Davis, CA, University, RNAV (GPS) RWY 17, Orig
Davis, CA, University, Takeoff Minimums and Obstacle DP, Amdt 3
Davis, CA, University, VOR OR GPS RWY 16, Amdt 1, CANCELLED
Rio Vista, CA, Rio Vista Muni, GPS RWY 25, Orig, CANCELLED
Rio Vista, CA, Rio Vista Muni, RNAV (GPS) RWY 25, Orig
Rio Vista, CA, Rio Vista Muni, VOR/DME-A, Amdt 1
Woodland, CA, Watts-Woodland, RNAV (GPS) RWY 36, Orig
Woodland, CA, Watts-Woodland, Takeoff Minimums and Obstacle DP, Amdt 3
Woodland, CA, Watts-Woodland, VOR/DME-A, Amdt 5
Montrose, CO, Montrose Rgnl, ILS OR LOC/DME RWY 17, Amdt 2
Bartow, FL, Bartow Muni, RNAV (GPS) RWY 5, Orig
Bartow, FL, Bartow Muni, RNAV (GPS) RWY 9L, Amdt 1
Bartow, FL, Bartow Muni, RNAV (GPS) RWY 23, Orig
Bartow, FL, Bartow Muni, RNAV (GPS) RWY 27R, Amdt 1
Burlington, IA, Southeast Iowa Rgnl, RNAV (GPS) RWY 12, Orig
Burlington, IA, Southeast Iowa Rgnl, RNAV (GPS) RWY 30, Orig
Burlington, IA, Southeast Iowa Rgnl, RNAV (GPS) RWY 36, Amdt 1
Burlington, IA, Southeast Iowa Rgnl, VOR RWY 30, Amdt 13
Council Bluffs, IA, Council Bluffs Muni, RNAV (GPS) RWY 14, Amdt 1
Evansville, IN, Evansville Rgnl, ILS OR LOC RWY 4, Amdt 2
Evansville, IN, Evansville Rgnl, ILS OR LOC RWY 22, Amdt 21
Evansville, IN, Evansville Rgnl, NDB RWY 22, Amdt 13
Evansville, IN, Evansville Rgnl, RNAV (GPS) RWY 4, Orig
Evansville, IN, Evansville Rgnl, RNAV (GPS) RWY 22, Orig
Evansville, IN, Evansville Rgnl, RADAR-1, Amdt 6
Evansville, IN, Evansville Rgnl, VOR RWY 4, Amdt 6
Flemingsburg, KY, Fleming-Mason, Takeoff Minimums and Obstacle DP, Orig
Williamsburg, KY, Williamsburg-Whitley County, RNAV (GPS) RWY 2, Amdt 1
Williamsburg, KY, Williamsburg-Whitley County, VOR/DME RWY 20, Orig
Bedford, MA, Laurence G. Hanscom Fld, NDB RWY 29, Amdt 7
Bedford, MA, Laurence G. Hanscom Fld, RNAV (GPS) RWY 29, Orig
Falmouth, MA, Cape Cod Coast Guard Air Station, TACAN RWY 5, Amdt 1
Falmouth, MA, Cape Cod Coast Guard Air Station, TACAN RWY 14, Amdt 1
Nantucket, MA, Nantucket Memorial, GPS RWY 33, Orig-C, CANCELLED

Nantucket, MA, Nantucket Memorial, ILS OR LOC RWY 6, Amdt 1
Nantucket, MA, Nantucket Memorial, ILS OR LOC RWY 24, Amdt 15D
Nantucket, MA, Nantucket Memorial, RNAV (GPS) RWY 6, Orig
Nantucket, MA, Nantucket Memorial, RNAV (GPS) RWY 24, Orig
Nantucket, MA, Nantucket Memorial, RNAV (GPS) RWY 33, Orig
Nantucket, MA, Nantucket Memorial, VOR RWY 24, Amdt 14
Northampton, MA, Northampton, GPS RWY 14, Orig, CANCELLED
Northampton, MA, Northampton, RNAV (GPS) RWY 14, Orig
Northampton, MA, Northampton, VOR-A, Amdt 5
Rangeley, ME, Rangeley Lake SPB, NDB-B, Amdt 1
Rangeley, ME, Rangeley Lake SPB, RNAV (GPS)-C, Orig
Rangeley, ME, Steven A. Bean Muni, NDB-A, Amdt 5
Rangeley, ME, Steven A. Bean Muni, RNAV (GPS)-D, Orig
Wiscasset, ME, Wiscasset, NDB RWY 25, Amdt 5B, CANCELLED
Benton Harbor, MI, Southwest Michigan Rgnl, RNAV (GPS) RWY 9, Orig
Benton Harbor, MI, Southwest Michigan Rgnl, VOR RWY 9, Amdt 9
Detroit, MI, Coleman A. Young Muni, NDB RWY 15, Amdt 23
Gaylord, MI, Gaylord Rgnl, Takeoff Minimums and Obstacle DP, Orig
Ironwood, MI, Gogebic-Iron County, RNAV (GPS) RWY 9, Orig
Ironwood, MI, Gogebic-Iron County, RNAV (GPS) RWY 27, Orig
Ironwood, MI, Gogebic-Iron County, Takeoff Minimums and Obstacle DP, Amdt 6
Ironwood, MI, Gogebic-Iron County, VOR/DME RWY 9, Amdt 13
Ironwood, MI, Gogebic-Iron County, VOR/DME RWY 27, Amdt 9
Benson, MN, Benson Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Fairmont, MN, Fairmont Muni, RNAV (GPS) RWY 13, Orig
Fairmont, MN, Fairmont Muni, RNAV (GPS) RWY 31, Orig
Fairmont, MN, Fairmont Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Fairmont, MN, Fairmont Muni, VOR RWY 13, Amdt 5
Fairmont, MN, Fairmont Muni, VOR RWY 31, Amdt 8
Grand Rapids, MN, Grand Rapids/Itasca Co-Gordon Newstrom, GPS RWY 16, Orig,
CANCELLED
Grand Rapids, MN, Grand Rapids/Itasca Co-Gordon Newstrom, RNAV (GPS)
RWY 16, Orig
Grand Rapids, MN, Grand Rapids/Itasca Co-Gordon Newstrom, RNAV (GPS)
RWY 34, Orig
Grand Rapids, MN, Grand Rapids/Itasca Co-Gordon Newstrom, VOR RWY 34, Amdt 11
International Falls, MN, Falls Intl, ILS OR LOC RWY 31, Amdt 10
Minneapolis, MN, Anoka County-Blaine (Janes Field), RNAV (GPS) RWY 9, Orig
Minneapolis, MN, Anoka County-Blaine (Janes Field), RNAV (GPS) RWY 18, Orig
Minneapolis, MN, Anoka County-Blaine (Janes Field), VOR RWY 9, Amdt 12
Minneapolis, MN, Anoka County-Blaine (Janes Field), VOR/DME RWY 27, Amdt 5
Minneapolis, MN, Anoka County-Blaine (Janes Field), VOR/DME RNAV OR GPS
RWY 18, Amdt 3A, CANCELLED
Tower, MN, Tower Muni, RNAV (GPS) RWY 8, Orig

Tower, MN, Tower Muni, RNAV (GPS) RWY 26, Orig
Tower, MN, Tower Muni, Takeoff Minimums and Obstacle DP, Orig
Columbia, MO, Columbia Rgnl, ILS OR LOC/DME RWY 2, Amdt 14
Clarksdale, MS, Fletcher Field, NDB RWY 36, Amdt 9A, CANCELLED
Greenville, MS, Mid Delta Rgnl, RNAV (GPS) RWY 36L, Orig-A
Asheville, NC, Asheville Regional, Takeoff Minimums and Obstacle DP, Amdt 8
Currituck, NC, Currituck County Regional, GPS RWY 5, Orig, CANCELLED
Currituck, NC, Currituck County Regional, RNAV (GPS) RWY 5, Orig
Currituck, NC, Currituck County Regional, Takeoff Minimums and Obstacle DP,
Amdt 1
Currituck, NC, Currituck County Regional, VOR/DME-A, Amdt 1
Roxboro, NC, Person County, GPS RWY 6, Orig, CANCELLED
Roxboro, NC, Person County, RNAV (GPS) RWY 6, Orig
Roxboro, NC, Person County, RNAV (GPS) RWY 24, Orig-A
Winston-Salem, NC, Smith Reynolds, GPS RWY 15, Orig-B, CANCELLED
Winston-Salem, NC, Smith Reynolds, GPS RWY 33, Orig-B, CANCELLED
Winston-Salem, NC, Smith Reynolds, ILS OR LOC RWY 33, Amdt 29
Winston-Salem, NC, Smith Reynolds, RNAV (GPS) RWY 15, Orig
Winston-Salem, NC, Smith Reynolds, RNAV (GPS) RWY 33, Orig
Lebanon, NH, Lebanon Muni, GPS RWY 25, Orig-A, CANCELLED
Lebanon, NH, Lebanon Muni, RNAV (GPS) RWY 25, Orig
Southampton, NY, Southampton Heliport, COPTER RNAV (GPS) 190, Orig
Southampton, NY, Southampton Heliport, COPTER VOR/DME RNAV OR GPS 187,
Orig, CANCELLED
Zelienople, PA, Zelienople Muni, GPS RWY 17, Amdt 1, CANCELLED
Zelienople, PA, Zelienople Muni, GPS RWY 35, Amdt 1, CANCELLED
Zelienople, PA, Zelienople Muni, RNAV (GPS) RWY 17, Orig
Zelienople, PA, Zelienople Muni, RNAV (GPS) RWY 35, Orig
Moncks Corner, SC, Berkeley County, VOR/DME-A, Orig
Jackson, TN, Mc Kellar-Sipes Rgnl, GPS RWY 2, Orig, CANCELLED
Jackson, TN, Mc Kellar-Sipes Rgnl, GPS RWY 20, Orig-A, CANCELLED
Jackson, TN, Mc Kellar-Sipes Rgnl, ILS OR LOC RWY 2, Amdt 8
Jackson, TN, Mc Kellar-Sipes Rgnl, RNAV (GPS) RWY 2, Orig
Jackson, TN, Mc Kellar-Sipes Rgnl, RNAV (GPS) RWY 20, Orig
Jackson, TN, Mc Kellar-Sipes Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1
Nashville, TN, Nashville Intl, ILS OR LOC RWY 20R, Amdt 9
Nashville, TN, Nashville Intl, RNAV (GPS) RWY 20R, Amdt 1
Falfurrias, TX, Brooks County, GPS RWY 17, Orig-A, CANCELLED
Falfurrias, TX, Brooks County, NDB RWY 35, Amdt 2
Falfurrias, TX, Brooks County, RNAV (GPS) RWY 17, Orig
Falfurrias, TX, Brooks County, Takeoff Minimums and Obstacle DP, Amdt 1
Houston, TX, George Bush Intercontinental/Houston, ILS OR LOC RWY 8L, ILS RWY
8L (CAT II), ILS RWY 8L (CAT III), Amdt 2
Houston, TX, George Bush Intercontinental/Houston, ILS OR LOC RWY 8R, Amdt 23

Houston, TX, George Bush Intercontinental/Houston, ILS OR LOC RWY 9, Amdt 8
Houston, TX, George Bush Intercontinental/Houston, ILS OR LOC RWY 26L, ILS
RWY 26L (CAT II), ILS RWY 26L (CAT III), Amdt 19
Houston, TX, George Bush Intercontinental/Houston, ILS OR LOC RWY 26R, ILS
RWY 26R (CAT II), ILS RWY 26R (CAT III), Amdt 2
Houston, TX, George Bush Intercontinental/Houston, ILS OR LOC RWY 27, ILS RWY
27 (CATII), ILS RWY 27 (CAT III), Amdt 7
Houston, TX, George Bush Intercontinental/Houston, RNAV (GPS) Z RWY 8L, Amdt 3
Houston, TX, George Bush Intercontinental/Houston, RNAV (GPS) Z RWY 8R, Amdt 2
Houston, TX, George Bush Intercontinental/Houston, RNAV (GPS) Z RWY 9, Amdt 3
Houston, TX, George Bush Intercontinental/Houston, RNAV (GPS) Z RWY 26L, Amdt 2
Houston, TX, George Bush Intercontinental/Houston, RNAV (GPS) Z RWY 26R, Amdt 2
Houston, TX, George Bush Intercontinental/Houston, RNAV (GPS) Z RWY 27, Amdt 2
Oak Harbor, WA, A J Eisenberg, RNAV (GPS) RWY 7, Amdt 2B
Seattle, WA, Boeing Field/King County Intl, RNAV (RNP) Z RWY 13R, Orig-B
Spokane, WA, Spokane Intl, RNAV (GPS) RWY 25, Amdt 2A
Tacoma, WA, Tacoma Narrows, GPS RWY 35, Orig-A, CANCELLED
Tacoma, WA, Tacoma Narrows, RNAV (GPS) RWY 35, Orig

CORRECTION: On February 24, 2009 (74 FR 8180), The FAA published several Amendments in Docket No. 30649, Amdt No. 3306 to Part 97 of the Federal Aviation Regulations under section 97.33. The following entries are hereby corrected to be effective for May 07, 2009:

Helena, MT, Helena Regional, RNAV (GPS) X RWY 27, Amdt 1A
Helena, MT, Helena Regional, RNAV (GPS) Y RWY 9, Amdt 1A

On March 31, 2009 (74 FR 14475), The FAA published several Amendments in Docket No. 30658; Amdt No. 3314 to Part 97 of the Federal Aviation Regulations Takeoff Minimums and Obstacle Departure Procedures (ODP). The following entry is hereby rescinded originally published in TL09-09 with an effective date of May 7, 2009:

Tanana, AK, Ralph M. Calhoun Memorial, Takeoff Minimums and Obstacle DP, Amdt 1

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW25 CLIMB TO 7000 DIRECT JORIR AND VIA 196.82 TRACK TO NUTUW AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 024.96 INBOUND. CHART FAS OBST: 182 ANT ON BLDG 594506N/1545306W DISTANCE TO THLD FROM 250 HAT: 0.77 NM. WAAS CHANNEL # 45910 REFERENCE PATH ID: W25A CHART TDZE: 174 CHART AIRPORT ELEV: 192								
ZAPOX (IAF)	WAKNU (NOPT) (FB)	345.95 / 5.00	5600									
OPUGE (IAF)	WAKNU (NOPT) (FB)	165.97 / 5.00	5600									
WAKNU (IF/IAF)	WABIP (FB)	255.96 / 1.25	5400									
WABIP	JUSTM (FB)	255.92 / 10.00	2800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E WAKNU, LT, 255.96 INBOUND, 5600 FT. IN LIEU OF PT (IAF) 3. FAC: 255.64 FAF: JUSTM DIST FAF TO MAP: 8.05 THLD: 8.05 4. MIN. ALT: WAKNU 5600, WABIP 5400, JUSTM 2800, AZGUC/1.70 NM TO RW25 720* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: JUSTM 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 17E EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF: ☐ STANDARD ☒ X 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
LPV DA	424	1	250	424	1	250	424	1	250	424	1	250
LNAV/VNAV DA	441	1	267	441	1	267	441	1	267	441	1	267
LNAV MDA	480	1	306	480	1	306	480	1	306	480	1	306
CIRCLING	680	1	488	680	1	488	700	1 1/2	508	780	2	588
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY												
CITY AND STATE		ELEVATION: 192 TDZE: 174		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
ILIAMNA, AK		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 25, AMDT 1			AMDT: ORIG			
		ILIAMNA				07 MAY 2009			DATED 12/27/2001			

 QUALITY
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

TAA

	FROM	TO	ALT
1.	166/30 CW 256/30	WAKNU (IF/IAF) (FB)	8200
2.	256/30 CW 346/30	WAKNU (IF/IAF) (FB)	6400
3.	346/30 CW 076/30	ZAPOX (IAF) (FB)	5700
4.	076/30 CW 166/30	OPUGE (IAF) (FB)	6700

CITY AND STATE

ILIAMNA, AK

ELEVATION: 192 TDZE: 174

AIRPORT NAME:

ILIAMNA

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 12/27/2001

CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
PAIL
RW25
0
0
W25A
594504.6945N
1545347.4340W
+00564
594508.3900N
1545643.3900W
00035.0
F
03.00
106.75
1200
40.0
50.0

CRC REMAINDER

E1DE7168

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

PA
+00440
+00440

CITY AND STATE
ILIAMNA, AK

ELEVATION: 192 TDZE: 174
AIRPORT NAME:
ILIAMNA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, AMDT 1
07 MAY 2009

SUP:
AMDT: ORIG
DATED: 12/27/2001

2
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.

[illegible][illegible][illegible][illegible]

CITY AND STATE ILIAMNA, AK	ELEVATION: 192 TDZE: 174 AIRPORT NAME: ILIAMNA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG
				DATED: 12/27/2001

ES -
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.

CITY AND STATE ILIAMNA, AK	ELEVATION: 192 TDZE: 174 AIRPORT NAME: ILIAMNA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG
				DATED: 12/27/2009 4

2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OPUGE	OPUGE	010	IAF	IF		FB				
	OPUGE	WAKNU	020		TF		FB	1.0	166.0 (183T)	005.0	05600
	WAKNU	WAKNU	010		HF	L	FB		256.0 (273T)	005.0	05600
	ZAPOX	ZAPOX	010	IAF	IF		FB				
	ZAPOX	WAKNU	020		TF		FB	1.0	346.0 (003T)	005.0	05600
		WAKNU	010	FACF	IF		FB				05600
		WABIP	011	SDF	TF		FB	0.5	256.0 (273T)	001.3	05400
		JUSTM	020	FAF	TF		FB	0.5	255.9 (273T)	010.0	02800
		AZGUC	021	SDF	TF		FB	0.3	255.6 (273T)	006.4	0072000723
		RW25	030	MAP	TF		FO	0.3	255.6 (273T)	001.7	00179

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JORIR	040		DF		FB	1.0			
	NUTUW	050		TF		FO	1.0	196.8 (214T)		07000
	NUTUW	060		HM	R	FO	2.0	025.0 (042T)	007.0	07000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AZGUC	N594500.37	W1545026.00	N5945.006	W15450.433
	JORIR	N594512.83	W1550018.47	N5945.214	W15500.308
	JUSTM	N594443.47	W1543753.82	N5944.725	W15437.897
	NUTUW	N593317.62	W1551601.04	N5933.294	W15516.017
	OPUGE	N594909.42	W1541510.88	N5949.157	W15415.181
	WABIP	N594414.44	W1541809.55	N5944.241	W15418.159
	WAKNU	N594410.60	W1541541.56	N5944.177	W15415.693
	ZAPOX	N593911.77	W1541612.09	N5939.196	W15416.202
	RW25	N594504.69	W1545347.43	N5945.078	W15453.791

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW25	00144		35

CITY AND STATE
ILIAMNA, AK

ELEVATION: 192 TDZE: 174
 AIRPORT NAME:
ILIAMNA

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, AMDT 1
07 MAY 2009

SUP:
 AMDT: **ORIG**
 DATED: **12/27/2001**

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 14000 DIRECT JULOB AND VIA 359.44 TRACK TO FORAX AND HOLD, CONTINUE CLIMB-IN-HOLD TO 14000. ADDITIONAL FLIGHT DATA: HOLD E, LT, 283.00 INBOUND. CHART FAS OBST: 230 TREE 594500N/1545551W DISTANCE TO THLD FROM 250 HAT: 0.69 NM. WAAS CHANNEL # 82110 REFERENCE PATH ID: W35A CHART TDZE: 179 CHART AIRPORT ELEV: 192											
JARAD (IAF)	CAPRE (NOPT) (FB)	262.12 / 5.00	5200												
JAGOR (IAF)	CAPRE (NOPT) (FB)	081.84 / 5.00	5200												
CAPRE (IF/IAF)	FOBGA (FB)	351.98 / 2.50	4800												
FOBGA	IDBIW (FB)	351.99 / 5.77	3300												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S CAPRE, RT, 351.98 INBOUND, 5200 FT. IN LIEU OF PT (IAF) 3. FAC: 352.02 FAF: IDBIW DIST FAF TO MAP: 9.46 THLD: 9.46 4. MIN. ALT: CAPRE 5200, FOBGA 4800, IDBIW 3300, VAYUT/1.60 NM TO RW35 720* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3300 GS ALT AT: IDBIW 3300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 17E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X 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
LPV DA	429	1	250	429	1	250	429	1	250	429	1	250			
LNAV/VNAV DA	790	2	611	790	2	611	790	2	611	790	2	611			
LNAV MDA	540	1	361	540	1	361	540	1	361	540	1 1/4	361			
CIRCLING	680	1	488	680	1	488	700	1 1/2	508	780	2	588			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 192 TDZE: 179		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ILIAMNA, AK		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 35, AMDT 1				AMDT: ORIG-A					
		ILIAMNA				07 MAY 2009				DATED 12/28/2005					

 2
CHECK

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW AND PROFILE NOTE: FOR LNAV/VNAV FLY VISUAL TO AIRPORT, 352 DEGREES - 1.8 MILES.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

TAA

	FROM	TO	ALT
1.	262/30 CW 352/30 (NOPT)	262/12 CW 352/12	6900
2.	262/12 CW 352/12	CAPRE (IF/IAF) (FB)	5200
	352/30 CW 082/30 (NOPT)	CAPRE (IF/IAF) (FB)	5200
3.	082/30 CW 172/30	JAGOR (IAF) (FB)	5300
4.	172/30 CW 262/30	JARAD (IAF) (FB)	6300

CITY AND STATE

ILIAMNA, AK

ELEVATION: 192 TDZE: 179

AIRPORT NAME:

ILIAMNA

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG-A

DATED: 12/28/2005

CHANGED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 PAIL
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A
LTP/FTP LATITUDE 594458.7475N
LTP/FTP LONGITUDE 1545449.3785W
LTP/FTP ELLIPSOIDAL HEIGHT +00657
FPAP LATITUDE 594626.5100N
FPAP LONGITUDE 1545421.6300W
THRESHOLD CROSSING HEIGHT (TCH) 00035.0
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

CRC REMAINDER

95DC57FA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE PA
LTP ORTHOMETRIC HEIGHT +00532
FPAP ORTHOMETRIC HEIGHT +00532

CITY AND STATE

ILIAMNA, AK

ELEVATION: 192 TDZE: 179

AIRPORT NAME:

ILIAMNA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG-A

DATED: 12/28/2005

CHECKED

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[illegible][illegible][illegible][illegible]

CITY AND STATE ILIAMNA, AK	ELEVATION: 192 TDZE: 179 AIRPORT NAME: ILIAMNA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG-A
				DATED: 12/28/2005

2
CHECKED

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[illegible]

SUP:	
AMDT:	ORIG-A
DATED:	12/28/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CAPRE	CAPRE	010		HF	R	FB		352.0 (009T)	005.0	05200
	JAGOR	JAGOR	010	IAF	IF		FB				
	JAGOR	CAPRE	020		TF		FB	1.0	081.8 (099T)	005.0	05200
	JARAD	JARAD	010	IAF	IF		FB				
	JARAD	CAPRE	020		TF		FB	1.0	262.1 (279T)	005.0	05200
		CAPRE	010	FACF	IF		FB				05200
		FOBGA	011	SDF	TF		FB	0.5	352.0 (009T)	002.5	04800
		IDBIW	020	FAF	TF		FB	0.5	352.0 (009T)	005.8	03300
		VAYUT	021	SDF	TF		FB	0.3	352.0 (009T)	007.9	0072000722
		RW35	030	MAP	TF		FO	0.3	352.0 (009T)	001.6	00210

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JULOB	040		DF		FB	1.0			
	FORAX	050		TF		FO	1.0	359.4 (016T)		14000
	FORAX	060		HM	L	FO	2.0	283.0 (300T)	008.0	14000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CAPRE	N592730.80	W1550017.62	N5927.513	W15500.294
	FOBGA	N592958.58	W1545931.68	N5929.976	W15459.528
	FORAX	N600502.46	W1544330.41	N6005.041	W15443.507
	IDBIW	N593539.89	W1545745.14	N5935.665	W15457.752
	JAGOR	N592817.15	W1550958.48	N5928.286	W15509.975
	JARAD	N592643.73	W1545037.21	N5926.729	W15450.620
	JULOB	N594656.94	W1545412.00	N5946.949	W15454.200
	VAYUT	N594324.19	W1545519.24	N5943.403	W15455.321
	RW35	N594458.75	W1545449.38	N5944.979	W15454.823

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW35	00175		35

CITY AND STATE
ILIAMNA, AK

ELEVATION: 192 TDZE: 179
 AIRPORT NAME:
ILIAMNA

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, AMDT 1
07 MAY 2009

SUP:
 AMDT: **ORIG-A**
 DATED: **12/28/2008**

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

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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:

[illegible]

NOTES:

07 MAY 2009

PROCEDURE CANCELED EFFECTIVE

CITY AND STATE DAVIS WOODLAND WINTERS, CA	ELEVATION: 98 AIRPORT NAME: YOLO COUNTY	TDZE: 97	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 16, ORIG, 09/11/1997	SUP	
					AMDT	NONE
					DATE	

ES 4
CHECK

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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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: _____

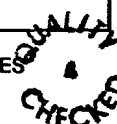
EPOCH YEAR: _____

TAKEOFF: _____	STANDARD _____	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 07 MAY 2009

CITY AND STATE DAVIS WOODLAND WINTERS, CA	ELEVATION: 98 TDZE: 98 AIRPORT NAME: YOLO COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 34, ORIG, 09/11/1997	SUP AMDT NONE DATE



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW16
BESSA	ACZIS (FB)	024.03 / 6.88	5000	CLIMB TO 3300 DIRECT DEPVE AND VIA 158.55 TRACK TO YUBDY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3300.
ACZIS	IKMEQ (FO)	024.09 / 7.11	3500	
COUPS	IKMEQ (FO)	316.32 / 30.55	3500	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 154.93 INBOUND. CHART FAS OBST: 220 TREE 383511N/1215132W GJOJ TO RW16: 3.05/40 CHART: A-682
ILA VORTAC	HEFSE (FB)	153.45 / 10.24	4000	
HEFSE (IAF)	IKMEQ (NOPT) (FB)	153.48 / 8.29	3500	
IKMEQ (IF)	GJOJ (FB)	132.80 / 6.10	2000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW IKMEQ, RT, 132.80 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
- FAC: 149.28 FAF: GJOJ DIST FAF TO MAP: 5.76 THLD: 5.76
- MIN. ALT: IKMEQ 3500, GJOJ 2000, DOFRE/1.70 NM TO RW16 680
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW16 4300

MAG VAR: 16E EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	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	540	1	443	540	1	443	540	1 1/4	443	540	1 1/2	443				
CIRCLING	580	1	482	580	1	482	580	1 1/2	482	660	2	562				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ILA VORTAC VIA V301 NORTHEAST BOUND, AND ARRIVALS AT COUPS VIA V6 SOUTHWEST BOUND.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE DAVIS WOODLAND WINTERS, CA	ELEVATION: 98 TDZE: 97 AIRPORT NAME: YOLO COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TRAVIS AFB ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE.

QUALITY
CHECKED

CITY AND STATE

DAVIS WOODLAND WINTERS, CA

ELEVATION: 98

TDZE: 97

AIRPORT NAME:

YOLO COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDWAK2FR16	ABESSA	010BESSAK2EA0E	IF						18000		B JS	
SUSAP	KDWAK2FR16	ABESSA	020ACZISK2EA0E	020TF			02400069	+ 05000				B JS	
SUSAP	KDWAK2FR16	ABESSA	030IKMEQK2EA0EY	A 020TF			02410071	+ 03500				B JS	
SUSAP	KDWAK2FR16	ABESSA	040IKMEQK2EA0EB	CR HF			13280040	+ 03500				B JS	
SUSAP	KDWAK2FR16	ACOUPS	010COUPSK2EA0E	IF						18000		B JS	
SUSAP	KDWAK2FR16	ACOUPS	020IKMEQK2EA0EY	A 020TF			31630306	+ 03500				B JS	
SUSAP	KDWAK2FR16	ACOUPS	030IKMEQK2EA0EB	CR HF			13280040	+ 03500				B JS	
SUSAP	KDWAK2FR16	AILA	010ILA K2D 0V	IF						18000		B JS	
SUSAP	KDWAK2FR16	AILA	020HEFSEK2EA0E	A 020TF			15350102	+ 04000				B JS	
SUSAP	KDWAK2FR16	AILA	030IKMEQK2EA0EE	010TF			15350083	+ 03500				B JS	
SUSAP	KDWAK2FR16	R	010IKMEQK2EA0E	I IF				+ 03500		18000		B JS	
SUSAP	KDWAK2FR16	R	020GIJOJK2EA1E	F 051TF			13280061	+ 02000			RW16	K2PGB	JS
SUSAP	KDWAK2FR16	R	020GIJOJK2EA2WN		N	ALNAV							JS

CITY AND STATE DAVIS WOODLAND WINTERS, CA	ELEVATION: 98 TDZE: 97 AIRPORT NAME: YOLO COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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

14930041	V	0068000689	-305	B JS
14930017		00136	-305	B JS
				B JS
1586	+	03300		B JS
15490040	+	03300		B JS

[illegible]

SUP:	
AMDT:	NONE
DATED:	11/1/81

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BESSA	BESSA	010		IF		FB				
	BESSA	ACZIS	020		TF		FB	2.0	024.0 (040T)	006.9	05000
	BESSA	IKMEQ	030	IAF	TF		FO	2.0	024.1 (040T)	007.1	03500
	BESSA	IKMEQ	040		HF	R	FO		132.8 (149T)	004.0	03500
	COUPS	COUPS	010		IF		FB				
	COUPS	IKMEQ	020	IAF	TF		FO	2.0	316.3 (332T)	030.6	03500
	COUPS	IKMEQ	030		HF	R	FO		132.8 (149T)	004.0	03500
	ILA	ILA	010		IF		FB				
	ILA	HEFSE	020	IAF	TF		FB	2.0	153.5 (170T)	010.2	04000
	ILA	IKMEQ	030		TF		FB	1.0	153.5 (170T)	008.3	03500
		IKMEQ	010	FACF	IF		FB				03500
		GIJOJ	020	FAF	TF		FB	0.5	132.8 (149T)	006.1	02000
		DOFRE	021	SDF	TF		FB	0.3	149.3 (165T)	004.1	0068000689
		RW16	030	MAP	TF		FO	0.3	149.3 (165T)	001.7	00136

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DEPVE	040		DF		FB	1.0			
	YUBDY	050		TF		FO	1.0	158.6 (175T)		03300
	YUBDY	060		HM	R	FO	2.0	154.9 (171T)	004.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ILA	N390416.12	W1220138.09	N3904.269	W12201.635
	ACZIS	N384035.39	W1220309.12	N3840.590	W12203.152
	BESSA	N383519.09	W1220848.24	N3835.318	W12208.804
	COUPS	N381858.58	W1213909.44	N3818.976	W12139.157
	DEPVE	N383317.86	W1215044.98	N3833.298	W12150.750
	DOFRE	N383652.81	W1215156.82	N3836.880	W12151.947
	GIJOJ	N384048.49	W1215315.74	N3840.808	W12153.262
	HEFSE	N385411.46	W1215913.99	N3854.191	W12159.233
	IKMEQ	N384601.93	W1215717.87	N3846.032	W12157.298
	YUBDY	N382740.12	W1215003.97	N3827.669	W12150.066
	RW16	N383514.05	W1215123.80	N3835.234	W12151.397

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	00096	40

CITY AND STATE DAVIS WOODLAND WINTERS, CA	ELEVATION: 98 TDZE: 97	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: YOLO COUNTY			AMDT: NONE
	DATED:			

4
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: JAMIV											
OAKEY	EMBER (FB)	315.57 / 15.21	4000				CLIMBING LEFT TURN TO 3300 DIRECT YUBDY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3300.								
CCR VOR/DME	EMBER (FB)	020.43 / 17.51	4000												
EMBER (IAF)	MUXTY (FB)	355.33 / 3.94	4000												
COUPS (IAF)	MUXTY (FB)	266.85 / 7.56	4000												
MUXTY (IF)	YUBDY (FB)	334.20 / 7.11	2300												
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 154.93 INBOUND. FAS OBST: 289 AAO 383054N/1215115W YUBDY TO RW34: 3.06/40 CHART: A-682 FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.											
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT MUXTY 3. FAC: <u>334.18</u> FAF: <u>YUBDY</u> DIST FAF TO MAP: <u>6.17</u> THLD: <u>6.65</u> 4. MIN. ALT: <u>MUXTY 4000, YUBDY 2300</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> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>JAMIV 4300</u>															
				MAG VAR: 16E EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF: <u> </u>	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>NA</u>	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	580	1	482	580	1	482	580	1 1/4	482	580	1 1/2	482			
CIRCLING	580	1	482	580	1	482	580	1 1/2	482	660	2	562			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OAKEY VIA V334-392 SOUTHBOUND, AND ARRIVALS AT COUPS VIA V6 NORTHEAST BOUND. SEE 8260-10															
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.															
CITY AND STATE				ELEVATION: 98 TDZE: 98		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
DAVIS WOODLAND WINTERS, CA				AIRPORT NAME:				RNAV (GPS) RWY 34, ORIG				AMDT: NONE			
				YOLO COUNTY				07 MAY 2009				DATED			

 QUALITY
CHECKED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TRAVIS AFB ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE.

CITY AND STATE

DAVIS WOODLAND WINTERS, CA

ELEVATION: 98 TDZE: 98

AIRPORT NAME:

YOLO COUNTY

FACILITY
IDENTIFIER:
RNAV

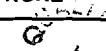
PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED: 

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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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[illegible]

SUSAP KDWAK2GRW34 0060003443 N38341475W121512420+0000 -0000500098000040100R

[illegible]

SUSAP KDWAK2SJAMIVK2EA

0 18018004325

M

CITY AND STATE

DAVIS WOODLAND WINTERS, CA

ELEVATION: 98 TDZE: 98

AIRPORT NAME:

YOLO COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

1945

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CCR	CCR	010		IF		FB				
	CCR	EMBER	020	IAF	TF		FB	2.0	020.4 (036T)	017.5	04000
	CCR	MUXTY	030		TF		FB	1.0	355.3 (011T)	003.9	04000
	COUPS	COUPS	010	IAF	IF		FB				
	COUPS	MUXTY	020		TF		FB	1.0	266.9 (283T)	007.6	04000
	OAKEY	OAKEY	010		IF		FB				
	OAKEY	EMBER	020	IAF	TF		FB	2.0	315.6 (332T)	015.2	04000
	OAKEY	MUXTY	030		TF		FB	1.0	355.3 (011T)	003.9	04000
		MUXTY	010	FACF	IF		FB				04000
		YUBDY	020	FAF	TF		FB	0.5	334.2 (350T)	007.1	02300
		JAMIV	030	MAP	TF		FO	0.3	334.2 (350T)	006.2	00298

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	YUBDY	040		DF	L	FO	1.0			03300
	YUBDY	050		HM	R	FO	2.0	154.9 (171T)	004.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CCR	N380241.71	W1220242.75	N3802.695	W12202.713
	COUPS	N381858.58	W1213909.44	N3818.976	W12139.157
	EMBER	N381647.10	W1214930.52	N3816.785	W12149.509
	JAMIV	N383345.10	W1215124.40	N3833.752	W12151.407
	MUXTY	N382039.15	W1214831.49	N3820.653	W12148.525
	OAKEY	N380323.83	W1214018.59	N3803.397	W12140.310
	YUBDY	N382740.12	W1215003.97	N3827.669	W12150.066
	RW34	N383414.75	W1215124.20	N3834.246	W12151.403

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW34	00098		40

CITY AND STATE
DAVIS WOODLAND WINTERS, CA

ELEVATION: 98 TDZE: 98
 AIRPORT NAME:
 YOLO COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 34, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED: 6/11/09

CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:
STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 16 - CLIMB HEADING 164.30 TO 2100 BEFORE TURNING RIGHT.
RWY 34 - CLIMB HEADING 344.30 TO 1500 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, MULTIPLE TREES BEGINNING 595' FROM DER, 308' RIGHT OF CENTERLINE, UP TO 120' AGL/206' MSL. MULTIPLE TREES BEGINNING 1046' FROM DER, 257' LEFT OF CENTERLINE, UP TO 120' AGL/195' MSL.

NOTE: RWY 34, MULTIPLE TREES BEGINNING 417' FROM DER, 361' RIGHT OF CENTERLINE, UP TO 120' AGL/206' MSL. TREES BEGINNING 683' FROM DER, 491' LEFT OF CENTERLINE, UP TO 120' AGL/206' MSL. POLE 859' FROM DER, 548' LEFT OF CENTERLINE, 47' AGL/137' MSL.

(4) CONTROLLING OBSTACLES:

RWY 16: 3019 AAO 382425.70N-1220629.00W.
RWY 34: 3252 MSL AAO 383951.00N-1221124.00W.

(5) City, State
DAVIS WOODLAND WINTERS, CA

(6) Airport
YOLO COUNTY

(7) Effective Date
07 MAY 2009

(8) Amdt. No.
1

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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: _____	STANDARD _____	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 07 MAY 2009

CITY AND STATE DAVIS WOODLAND WINTERS, CA	ELEVATION: 98 TDZE: 98 AIRPORT NAME: YOLO COUNTY	FACILITY IDENTIFIER: TZZ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 34, ORIG-A, 05/01/2007	SUP AMDT ORIG DATE 09/11/1997

CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
SAC VORTAC	CODRU (FO)	309.49 / 18.34	2000	LNAV: RW17			
Oakey	CODRU (FO)	338.10 / 38.29	2000				
ILA VORTAC (IAF)	CODRU (NOPT) (FB)	139.44 / 25.57	2000	CLIMBING RIGHT TURN TO 2000 DIRECT CODRU AND HOLD.			
CODRU (IF/IAF)	HAPAX (FB)	166.75 / 5.17	1400				
				ADDITIONAL FLIGHT DATA: FAS OBST: 269 AAO 383525N/1214743W HAPAX TO RW17: 3.04/40.			

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)							
2. HOLD N CODRU, RT, 166.75 INBOUND, 2000 FT. IN LIEU OF PT (IAF)							
3. FAC: 166.75 FAF: HAPAX DIST FAF TO MAP: 4.03 THLD: 4.03							
4. MIN. ALT: CODRU 2000, HAPAX 1400							
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: RW17 4300							
				MAG VAR: 14E EPOCH YEAR: 2010			

MINIMUMS																
TAKEOFF:	STANDARD	X	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	520	1	456	520	1	456		NA			NA					
CIRCLING	580	1	511	580	1	511		NA			NA					

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TRAVIS AFB ALTIMETER SETTING AND SEE 8260-10

CITY AND STATE DAVIS, CA	ELEVATION: 69 TDZE: 64	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED
	AIRPORT NAME: UNIVERSITY			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

INCREASE ALL MDA 60 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SAC VORTAC AIRWAY RADIALS 257 CW 329.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ILA VORTAC VIA V195 NORTHBOUND.

CITY AND STATE

DAVIS, CA

ELEVATION: 69

TDZE: 64

AIRPORT NAME:

UNIVERSITY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

CITY AND STATE DAVIS, CA	ELEVATION: 69 TDZE: 64 AIRPORT NAME: UNIVERSITY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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[illegible]

0 18018004325

M

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ILA	ILA	010	IAF	IF		FB				
	ILA	CODRU	020		TF		FB	1.0	139.4 (153T)	025.6	02000
	OAKEY	OAKEY	010		IF		FB				
	OAKEY	CODRU	020	IAF	TF		FO	2.0	338.1 (352T)	038.3	02000
	OAKEY	CODRU	030		HF	R	FO		166.8 (181T)	004.0	02000
	SAC	SAC	010		IF		FB				
	SAC	CODRU	020	IAF	TF		FO	2.0	309.5 (324T)	018.3	02000
	SAC	CODRU	030		HF	R	FO		166.8 (181T)	004.0	02000
		CODRU	010	FACF	IF		FB				02000
		HAPAX	020	FAF	TF		FB	0.5	166.8 (181T)	005.2	01400
		RW17	030	MAP	TF		FO	0.3	166.8 (181T)	004.0	00101

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CODRU	040		DF	R	FO				02000
	CODRU	050		HM	R	FO	2.0	166.8 (181T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ILA	N390416.12	W1220138.09	N3904.269	W12201.635
	SAC	N382637.17	W1213305.84	N3826.620	W12133.097
	CODRU	N384121.46	W1214701.83	N3841.358	W12147.031
	HAPAX	N383611.15	W1214707.02	N3836.186	W12147.117
	OAKEY	N380323.83	W1214018.59	N3803.397	W12140.310
	RW17	N383208.95	W1214711.06	N3832.149	W12147.184

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW17	00061	40

CITY AND STATE
DAVIS, CA

ELEVATION: 69 TDZE: 64
 AIRPORT NAME:
 UNIVERSITY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 17, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 17 - CLIMBING RIGHT TURN VIA HEADING 199.75 AND ILA R-151 TO EMBER INT/ILA 48.38 DME BEFORE PROCEEDING ON COURSE.

RWY 35 - CLIMBING LEFT TURN VIA HEADING 319.75 AND ILA R-145 TO ILA VORTAC BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES BEGINNING 1353' FROM DER, 31' RIGHT OF CENTERLINE, UP TO 40' AGL/109' MSL.

NOTE: RWY 35, TREE 24' FROM DER, 433' LEFT OF CENTERLINE, 40' AGL/104' MSL. VEHICLE 288' FROM DER, ON CENTERLINE, 15' AGL/74' MSL.

(4) CONTROLLING OBSTACLES:

RWY 17: 3,019' MSL AAO 382401.46N/1220622.01W.

RWY 35: 2,679' MSL AAO 383325.39N/1220656.39W.

(5) City, State

DAVIS, CA

(6) Airport

UNIVERSITY

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

3

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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:		STANDARD		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:

07 MAY 2009

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE DAVIS, CA	ELEVATION: 69 TDZE: 68 AIRPORT NAME: UNIVERSITY	FACILITY IDENTIFIER: TZZ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR GPS RWY 16, AMDT 1, 01/16/1986	SUP	VOR RWY 16
				AMDT	ORIG
				DATE	01/12/1978

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS 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.

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: _____	STANDARD _____	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 07 MAY 2009

CITY AND STATE RIO VISTA, CA	ELEVATION: 22 TDZE: AIRPORT NAME: RIO VISTA MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: GPS RWY 25, ORIG, 06/26/1996	SUP
				AMD'T NONE
				DATE

QUALITY

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: FOGAD CLIMBING LEFT TURN TO 2000 DIRECT COMIC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 007.95 INBOUND. CHART FAS OBST: 225 TOWER 381120N/1213944W GIFME TO RW25: 3.05/40 FAC CROSSES RWY C/L EXTENDED 1870 FROM THLD.								
EPPES (IAF)	GULLS (FB)	228.05 / 4.25	2000									
LODDI (IAF)	GULLS (FB)	284.03 / 7.65	2000									
COMIC (IAF)	GULLS (FB)	007.95 / 4.50	2000									
GULLS (IF)	GIFME (FB)	279.08 / 7.00	1700									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT GULLS 3. FAC: <u>264.78</u> FAF: <u>GIFME</u> DIST FAF TO MAP: <u>4.76</u> THLD: <u>5.07</u> 4. MIN. ALT: <u>GULLS 2000, GIFME 1700</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> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>FOGAD 5100</u>				MAG VAR: <u>16E</u> EPOCH YEAR: <u>1985</u>								
MINIMUMS												
TAKEOFF:	☐ STANDARD	☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: ☐ NA		☒							
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
LNAV MDA	560	1	537	560	1	537	560	1 1/2	537	NA		
CIRCLING	560	1	537	580	1	557	620	1 1/2	597	NA		
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: USE TRAVIS AFB ALTIMETER SETTING.												
CITY AND STATE			ELEVATION: 23 TDZE: 23		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
RIO VISTA, CA			AIRPORT NAME: RIO VISTA MUNI		RNAV		RNAV (GPS) RWY 25, ORIG 07 MAY 2009			AMDT: NONE		
										DATED		

 QUALITY
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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 088 K2FR25	ACOMIC 010	COMICK2EA0E	A	IF						18000		B JS	
SUSAP 088 K2FR25	ACOMIC 020	GULLSK2EA0EE		010TF			00800045	+	02000			B JS	
SUSAP 088 K2FR25	AEPPES 010	EPPEK2EA0E	A	IF						18000		B JS	
SUSAP 088 K2FR25	AEPPES 020	GULLSK2EA0EE		010TF			22810043	+	02000			B JS	
SUSAP 088 K2FR25	ALODDI 010	LODDIK2EA0E	A	IF						18000		B JS	
SUSAP 088 K2FR25	ALODDI 020	GULLSK2EA0EE		010TF			28400077	+	02000			B JS	
SUSAP 088 K2FR25	R	010GULLSK2EA0E	I	IF				+	02000	18000		B JS	
SUSAP 088 K2FR25	R	020GIFMEK2EA1E	F	051TF			27910070	+	01700		FOGAD K2EAB	JS	
SUSAP 088 K2FR25	R	020GIFMEK2EA2WN			N	ALNAV						JS	
SUSAP 088 K2FR25	R	030FOGADK2EA0EY	M	031TF			26480048		00161		-305	B JS	
SUSAP 088 K2FR25	R	040COMICK2EA0EYM	L010DF					+	02000			B JS	
SUSAP 088 K2FR25	R	050COMICK2EA0EE	HR020HM				00800040	+	02000			B JS	

[illegible][illegible]

CITY AND STATE RIO VISTA, CA	ELEVATION: 23 TDZE: 23 AIRPORT NAME: RIO VISTA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED: QUALITY

QUALITY
ES 7

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP 088 K2SFOGADK2EA

0 18018005125

M

CITY AND STATE

RIO VISTA, CA

ELEVATION: 23 TDZE: 23

AIRPORT NAME:

RIO VISTA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COMIC	COMIC	010	IAF	IF		FB				
	COMIC	GULLS	020		TF		FB	1.0	008.0 (024T)	004.5	02000
	EPPES	EPPES	010	IAF	IF		FB				
	EPPES	GULLS	020		TF		FB	1.0	228.1 (244T)	004.3	02000
	LODDI	LODDI	010	IAF	IF		FB				
	LODDI	GULLS	020		TF		FB	1.0	284.0 (300T)	007.7	02000
		GULLS	010	FACF	IF		FB				02000
		GIFME	020	FAF	TF		FB	0.5	279.1 (295T)	007.0	01700
		FOGAD	030	MAP	TF		FO	0.3	264.8 (281T)	004.8	00161

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COMIC	040		DF	L	FO	1.0			02000
	COMIC	050		HM	R	FO	2.0	008.0 (024T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COMIC	N380342.37	W1212939.43	N3803.706	W12129.657
	EPPES	N380941.52	W1212229.52	N3809.692	W12122.492
	FOGAD	N381140.89	W1214118.58	N3811.682	W12141.310
	GIFME	N381047.58	W1213522.81	N3810.793	W12135.380
	GULLS	N380749.61	W1212720.38	N3807.827	W12127.340
	LODDI	N380400.06	W1211857.02	N3804.001	W12118.950
	RW25	N381139.51	W1214141.94	N3811.659	W12141.699

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00022	40

CITY AND STATE
RIO VISTA, CA

ELEVATION: 23 TDZE: 23
 AIRPORT NAME:
 RIO VISTA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 25, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE 1/1
 DATED: 1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: APEVE/SAC 16.40 DME FIX					
SAC VORTAC (IAF)	HOODI/5.00 DME	188.51 / 5.00	2500	CLIMBING LEFT TURN TO 3000 VIA SAC VORTAC R-178 TO SAC VORTAC.					
HOODI/5.00 DME (IF)	PONTA/12.00 DME	188.51 / 7.00 (SAC R-189)	1200						
				ADDITIONAL FLIGHT DATA: DO NOT CHART: HOLD S, RT, 016.01 INBOUND. FAS OBST: 209 AAO 381427N/1213836W CHART 2000 TOWER 381617N/1213024W CHART 225 TOWER 381120N/1213944W FAC CROSSES MID POINT OF RWY 7/25. CHART: AIRPORT ELEVATION 23					
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HOODI 3. FAC <u>188.51</u> FAF <u>PONTA/12.00 DME</u> DIST FAF TO MAP <u> </u> THLD <u> </u> 4. MIN. ALT <u>HOODI 2500, PONTA 1200</u> 8. MSA FROM: <u>SAC VORTAC 220-310 4100, 310-220 3100</u>					MAG VAR: 17E EPOCH YEAR: 1980				
MINIMUMS									
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	NA	☒
CATEGORY ==>	A		B		C		D		E
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	560	1	537	580	1	557	620	1 1/2	597
NOTES: CHART NOTE: USE TRAVIS AFB ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SAC VORTAC AIRWAY RADIALS 137 CW 216.									
CITY AND STATE		ELEVATION: 23 TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP VOR-A	
RIO VISTA, CA		AIRPORT NAME:		SAC		VOR/DME-A, AMDT 1		AMDT ORIG	
		RIO VISTA MUNI				07 MAY 2009		DATE 05/15/2003	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RAGGS INT	CEVIT (FO)	067.83 / 10.13	5000	LNAV: RW36 CLIMBING LEFT TURN TO 3000 DIRECT CEVIT AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 249 TREE 383934N/1215217W YUGUD TO RW36: 3.05/40.
PIVSE (IAF)	CEVIT (NOPT) (FB)	270.18 / 11.87	3000	
CEVIT (IF/IAF)	YUGUD (FB)	003.96 / 5.03	2000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S CEVIT, RT, 003.96 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 003.98 FAF: YUGUD DIST FAF TO MAP: 5.67 THLD: 5.67
- MIN. ALT: CEVIT 3000, YUGUD 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM: RW36 4400

MAG VAR: 14E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: ☐	STANDARD ☒	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
LNAV MDA	560	1	435	560	1	435		NA			NA				
CIRCLING	620	1	495	620	1	495		NA			NA				

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: USE SACRAMENTO INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE SACRAMENTO EXECUTIVE ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.

CITY AND STATE WOODLAND, CA	ELEVATION: 125 TDZE: 125 AIRPORT NAME: WATTS-WOODLAND	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

SUP:	
AMDT:	NONE
DATED:	5

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PIVSE	PIVSE	010	IAF	IF		FB				
	PIVSE	CEVIT	020		TF		FB	1.0	270.2 (284T)	011.9	03000
	RAGGS	RAGGS	010		IF		FB				
	RAGGS	CEVIT	020	IAF	TF		FO	2.0	067.8 (082T)	010.1	05000
	RAGGS	CEVIT	030		HF	R	FO		004.0 (018T)	004.0	03000
		CEVIT	010	FACF	IF		FB				03000
		YUGUD	020	FAF	TF		FB	0.5	004.0 (018T)	005.0	02000
		RW36	030	MAP	TF		FO	0.3	004.0 (018T)	005.7	00165

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CEVIT	040		DF	L	FO	1.0			03000
	CEVIT	050		HM	R	FO	2.0	004.0 (018T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEVIT	N383000.72	W1215638.43	N3830.012	W12156.641
	PIVSE	N382707.04	W1214159.11	N3827.117	W12141.985
	RAGGS	N382834.94	W1220924.65	N3828.582	W12209.411
	YUGUD	N383447.94	W1215439.85	N3834.799	W12154.664
	RW36	N384011.99	W1215225.72	N3840.200	W12152.429

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00125	40

CITY AND STATE
WOODLAND, CA

ELEVATION: 125 TDZE: 125
 AIRPORT NAME:
 WATTS-WOODLAND

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED: 5

CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 18, 36 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 18 - CLIMB HEADING 185.22 AND ILA R-151 TO EMBER INT/ILA 48.38 DME BEFORE PROCEEDING ON COURSE.

RWY 36 - CLIMBING LEFT TURN VIA HEADING 320 AND ILA R-145 TO ILA VORTAC BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREE 2,478' FROM DER, 283' RIGHT OF CENTERLINE, 100' AGL/249' MSL. VEHICLE ON ROAD 192' FROM DER, ON CENTERLINE, 15' AGL/144' MSL.

NOTE: RWY 36, TREE 453' FROM DER, 69' LEFT OF CENTERLINE, 100' AGL/224' MSL. VEHICLE ON ROAD 350' FROM DER, ON CENTERLINE, 15' AGL/134' MSL. TREE 4,489' FROM DER, 1,688' LEFT OF CENTERLINE, 100' AGL/234' MSL.

(4) CONTROLLING OBSTACLES:

RWY 18, 36: 3257' MSL AAO 384007.60N/1221123.80W

(5) City, State

WOODLAND, CA

(6) Airport

WATTS-WOODLAND

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

3

QUALITY
ED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: MARLK/20.32 DME CLIMBING LEFT TURN TO 2000 VIA SAC VORTAC R-296 TO MERET/14.47 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 295.70 INBOUND. CHART FAS OBST: 259 TREE 384044N/1215132W FAC CROSSES MID POINT OF RWY 18-36.								
SAC VORTAC (IAF)	SPERS/9.00 DME	295.70 / 9.00	2600									
SPERS/9.00 DME (IF)	MERET/14.47 DME	295.70 / 5.47 (SAC R-296)	2000									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT SPERS/9.00 DME 3. FAC <u>295.70</u> FAF <u>MERET/14.47 DME</u> DIST FAF TO MAP <u> </u> THLD <u> </u> 4. MIN. ALT <u>SPERS 2600, MERET 2000</u> 8. MSA FROM: <u>SAC VORTAC 110-200 3100, 200-290 4100, 290-110 2700</u>					MAG VAR: 17E EPOCH YEAR: 1980							
MINIMUMS												
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	NA	☒			
CATEGORY =====>	A		B		C		D		E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	620	1	495	620	1 1/4	495		NA			NA	
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE SACRAMENTO INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE SACRAMENTO EXECUTIVE ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SAC VORTAC AIRWAY RADIALS 257 CW 329.												
CITY AND STATE		ELEVATION: 125		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP VOR OR GPS-A		
WOODLAND, CA		AIRPORT NAME:		WATTS-WOODLAND		SAC		VOR/DME-A, AMDT 5		AMDT 4A		
								07 MAY 2009		DATE 05/15/2003		

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: MTJ 1.44 DME FIX								
MTJ VOR/DME	BRUUK INT/MTJ 14.76 DME	349.03 / 14.76	12400	CLIMB TO 6200 THEN CLIMBING RIGHT TURN TO 11000 VIA HEADING 325 AND MTJ VOR/DME R-297 TO PAGRE/MTJ 14.80 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11000.								
PAGRE/MTJ 14.80 DME CW (IAF)	BRUUK INT/MTJ 14.76 DME (NOPT)	14.80 DME ARC (MTJ LR-341)	9000									
HAQHY/JNC 35.95 DME (IAF)	BRUUK INT/MTJ 14.76 DME (NOPT)	098.32 / 10.00 (JNC R-098)	9000									
BRUUK INT/MTJ 14.76 DME (IF/IAF)	WIDRU/MTJ 8.65 DME	167.82 / 6.11 (I-MTJ)	8100									
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 116.63 INBOUND. CHART FAS OBST: 5809 TREE 383245N/1075317W CHART 6109 TREE 383614N/1075233W. CHART MTJ R-297 AT PAGRE. CHART MTJ R-349 AT BRUUK CHART JNC R-098/45.95 DME AT BRUUK								
1. PT <u>L</u> SIDE OF COURSE <u>347.82</u> OUTBOUND <u>12400</u> FT WITHIN <u>10</u> MILES OF <u>BRUUK</u> (IAF)							MAG VAR: 12E EPOCH YEAR: 1995					
2. _____												
3. FAC: <u>167.82</u> FAF: <u>WIDRU/MTJ 8.65 DME</u> DIST FAF TO MAP: <u>-</u> THLD: <u>7.25</u>												
4. MIN. ALT: <u>BRUUK 9000, WIDRU 8100, ZIMVI/MTJ 5.41 DME 7020</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>965</u>												
6. MIN GS INCPT: <u>8100</u> GS ALT AT: <u>WIDRU/MTJ 8.65 DME 8100</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u>												
7. GS ANGLE: <u>3.00</u> TCH: <u>56.0</u>												
8. MSA FROM: <u>MTJ VOR/DME 360-090 13300, 090-180 14400, 180-360 11600</u>												
MINIMUMS												
TAKEOFF:	STANDARD	X	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
S-ILS 17	5904	1/2	200	5904	1/2	200	5904	1/2	200	5904	1/2	200
S-LOC 17	6060	1/2	356	6060	1/2	356	6060	1/2	356	6060	3/4	356
CIRCLING	6240	1	481	6300	1	541	6660	2 3/4	901	6700	3	941
NOTES: CHART NOTE: DME REQUIRED. CHART NOTE: DME FROM MTJ VOR/DME. SIMULTANEOUS RECEPTION OF I-MTJ AND MTJ DME REQUIRED.												
# CAT C 1000-2 3/4, CAT D 1000-3 @ CAT C 1000-2 3/4, CAT D 1000-3												
CITY AND STATE MONTROSE, CO		ELEVATION: 5759 TDZE: 5704 AIRPORT NAME: MONTROSE RGNL		FACILITY IDENTIFIER: I-MTJ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 17, AMDT 2 07 MAY 2009			SUP: AMDT: 1B DATED 03/15/2007			

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EBPAD (IAF)	FODBI (NOPT) (FB)	139.98 / 5.00	2300	LPV: DA LNAV/VNAV: DA LNAV: RW05 CLIMB TO 2300 DIRECT ZOMOV AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 230.16 INBOUND. CHART FAS OBST: 239 TREE 275632N/0814756W DISTANCE TO THLD FROM 324 HAT: 0.92 NM. WAAS CHANNEL # 58112 REFERENCE PATH ID: W05A
VADDO (IAF)	FODBI (NOPT) (FB)	320.04 / 5.00	2300	
FODBI (IF/IAF)	AHJUP (FB)	050.01 / 6.10	1800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW FODBI, RT, 050.01 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
- FAC: 050.05 FAF: AHJUP DIST FAF TO MAP: 5.10 THLD: 5.10
- MIN. ALT: FODBI 2300, AHJUP 1800, SILIE/2.20 NM TO RW05 840*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1800 GS ALT AT: AHJUP OM: MM: IM:
- GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 4W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	STANDARD	X	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	447	1 1/4	324	447	1 1/4	324	447	1 1/4	324	447	1 1/4	324			
LNAV/VNAV DA	509	1 1/2	386	509	1 1/2	386	509	1 1/2	386	509	1 1/2	386			
LNAV MDA	520	1	397	520	1	397	520	1	397	520	1 1/4	397			
CIRCLING	580	1	455	580	1	455	580	1 1/2	455	680	2	555			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAMPA INTL ALTIMETER SETTING AND INCREASE LPV DA TO 533 FEET, LNAV/VNAV DA TO 684 FEET AND ALL MDA 120 FEET. INCREASE LPV ALL CATS

SEE 8260-10

CITY AND STATE	ELEVATION: 125 TDZE: 123	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BARTOW, FL	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 5, ORIG	AMDT: NONE
	BARTOW MUNI		07 MAY 2009	DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, LNAV CATS C AND D 1/2 MILE, AND CIRCLING CAT D 1/4 MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: BARO-VNAV NA WHEN USING TAMPA INTL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	320/30 CW 140/30 (NOPT) 320/5 CW 140/5	320/5 CW 140/5 FODBI (IF/IAF) (FB)	2800 2300
2.	140/30 CW 230/30	EBPAD (IAF) (FB)	2300
3.	230/30 CW 320/30	VADDO (IAF) (FB)	2300

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 123

AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 5, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KBOW
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W05A
REFERENCE PATH IDENTIFIER (APPROACH ID)	275617.3305N
LTP/FTP LATITUDE	0814721.8265W
LTP/FTP LONGITUDE	+00068
LTP/FTP ELLIPSOIDAL HEIGHT	275719.3000N
FPAP LATITUDE	0814609.3600W
FPAP LONGITUDE	00045.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1224
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	
<u>CRC REMAINDER</u>	458A3FCC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00329
FPAP ORTHOMETRIC HEIGHT	+00329

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 123

AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 5, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

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ARINC PACKET - 424-18 - RNAV (GPS)[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBOWK7FR05	AEBPAD	010EBPADK7EA0E	A	IF						18000		A JS	
SUSAP KBOWK7FR05	AEBPAD	020FODBIK7EA0EE		010TF		14000050		+ 02300				A JS	
SUSAP KBOWK7FR05	AFODBI	010FODBIK7EA0EE	CR	HF		05000040		+ 02300		18000		A JS	
SUSAP KBOWK7FR05	AVADDO	010VADDOK7EA0E	A	IF						18000		A JS	
SUSAP KBOWK7FR05	AVADDO	020FODBIK7EA0EE		010TF		32000050		+ 02300				A JS	
SUSAP KBOWK7FR05	R	010FODBIK7EA0E	I	IF				+ 02300		18000		A JS	
SUSAP KBOWK7FR05	R	020AHJUPK7EA1E	F	051TF		05000061		+ 01800				A JS	
SUSAP KBOWK7FR05	R	020AHJUPK7EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KBOWK7FR05	R	021SILIEK7EA0E	S	031TF		05010029		V 0084000858		-300		A JS	
SUSAP KBOWK7FR05	R	030RW05	K7PGOGY	M 031TF		05010022		00153		-300		A JS	
SUSAP KBOWK7FR05	R	040ZOMOVK7EA0EYM		010DF				+ 02300				A JS	
SUSAP KBOWK7FR05	R	050ZOMOVK7EA0EE		HR020HM		23020040		+ 02300				A JS	

[illegible][illegible]

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 123
AIRPORT NAME:
BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, ORIG
07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP KBOWK7PR05 RW05 001 0000W05A0N2756173305W08147218265+000680300N2757193000W08146093600106751224000450F400500458A3FCC
SUSAP KBOWK7PR05 RW05 002E +00329+00329LPV 58112 000

CITY AND STATE
BARTOW, FL

ELEVATION: 125 TDZE: 123
AIRPORT NAME:
BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, ORIG
07 MAY 2009

SUP:
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EBPAD	EBPAD	010	IAF	IF		FB				
	EBPAD	FODBI	020		TF		FB	1.0	140.0 (136T)	005.0	02300
	FODBI	FODBI	010		HF	R	FB		050.0 (046T)	004.0	02300
	VADDO	VADDO	010	IAF	IF		FB				
	VADDO	FODBI	020		TF		FB	1.0	320.0 (316T)	005.0	02300
		FODBI	010	FACF	IF		FB				02300
		AHJUP	020	FAF	TF		FB	0.5	050.0 (046T)	006.1	01800
		SILIE	021	SDF	TF		FB	0.3	050.1 (046T)	002.9	0084000858
		RW05	030	MAP	TF		FO	0.3	050.1 (046T)	002.2	00153

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZOMOV	040		DF		FO	1.0			02300
	ZOMOV	050		HM	R	FO	2.0	230.2 (226T)	004.0	02300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AHJUP	N275244.45	W0815130.54	N2752.741	W08151.509
	EBPAD	N275205.99	W0820022.80	N2752.100	W08200.380
	FODBI	N274829.62	W0815627.70	N2748.494	W08156.462
	SILIE	N275445.51	W0814909.16	N2754.759	W08149.153
	VADDO	N274453.13	W0815232.86	N2744.886	W08152.548
	ZOMOV	N280434.93	W0813738.76	N2804.582	W08137.646
	RW05	N275617.33	W0814721.83	N2756.289	W08147.364

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00108	45

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 123
 AIRPORT NAME:
 BARTOW MUNI

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 5, ORIG
 07 MAY 2009

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM		TO		COURSE AND DISTANCE	
CROWD		GUEVQ (FO)		356.56 / 16.16	
GUEVQ (IF/IAF)		LAVXY (FB)		090.98 / 6.10	
				ALTITUDE	
				3000	
				1800	
				LPV: DA LNAV/VNAV: DA LNAV: RW09L	
				CLIMB TO 2000 DIRECT IVONY AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 271.19 INBOUND. CHART FAS OBST: 269 TREE 275655N/0814751W CHART FAS OBST: 271 TOWER 275709N/0815217W DISTANCE TO THLD FROM 317 HAT: 0.88 NM. CHART VDP AT 1.19 MILES TO RW09L* *LNAV ONLY. WAAS CHANNEL # 90511 REFERENCE PATH ID: W09A	
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)					
2. HOLD W GUEVQ, RT, 090.98 INBOUND, 2000 FT. IN LIEU OF PT (IAF)					
3. FAC: 091.04 FAF: LAVXY DIST FAF TO MAP: 5.07 THLD: 5.07					
4. MIN. ALT: GUEVQ 2000, LAVXY 1800					
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:					
6. MIN GS INCPT: 1800 GS ALT AT: LAVXY 1800 OM: MM: IM:					
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR					
8. MSA FROM: RW09L 2700					
MAG VAR: 4W EPOCH YEAR: 1995					
MINIMUMS					
TAKEOFF: STANDARD X 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					
LPV DA 442 1 1/4 317 442 1 1/4 317 442 1 1/4 317 442 1 1/4 317					
LNAV/VNAV DA 539 1 1/2 414 539 1 1/2 414 539 1 1/2 414 539 1 1/2 414					
LNAV MDA 540 1 415 540 1 415 540 1 1/4 415 540 1 1/4 415					
CIRCLING 580 1 455 580 1 455 580 1 1/2 455 680 2 555					
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING TAMPA INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10					
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.					
CITY AND STATE BARTOW, FL		ELEVATION: 125 TDZE: 125 AIRPORT NAME: BARTOW MUNI		FACILITY IDENTIFIER: RNAV	
		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9L, AMDT 1		SUP: AMDT: ORIG-A DATED 02/20/2003	
		07 MAY 2009			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAMPA INTL ALTIMETER SETTING AND INCREASE ALL DA 106 FT, ALL MDA 120 FT, INCREASE LPV AND LNAV/VNAV ALL CATS, LNAV CAT C

VISIBILITY AND CIRCLING CAT D VISIBILITY 1/4 MILE, AND LNAV CAT D 1/2 MILE.

CHART NOTE: VDP NA WHEN USING TAMPA INTL ALTIMETER SETTING.

CHART NOTE: BARO-VNAV NA WHEN USING TAMPA INTL ALTIMETER SETTING.

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 125

AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9L, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG-A

DATED: 02/20/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KBOW
RUNWAY	RW09L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	275640.3850N
LTP/FTP LONGITUDE	0814726.2000W
LTP/FTP ELLIPSOIDAL HEIGHT	+00095
FPAP LATITUDE	275644.9300N
FPAP LONGITUDE	0814545.7200W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

8757FD69

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00357
FPAP ORTHOMETRIC HEIGHT	+00357

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 125

AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9L, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG-A

DATED: 02/20/2003

RNAV (GPS) 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.

ARINC PACKET - 424-18 - RNAV (GPS)[illegible][illegible][illegible][illegible][illegible][illegible]

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 125

AIRPORT NAME:

BARTOW MUNI

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9L, AMDT 1

07 MAY 2009

|SUP:

AMDT: ORIG-A

DATED: 02/20/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

SUSAP KBOWK7SRW09LK7PG

0 18018002725

M

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 125
AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9L, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG-A

DATED: 02/20/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CROWD	CROWD	010		IF		FB				
	CROWD	GUVEQ	020		TF		FO	1.0	356.6 (353T)	016.2	03000
	CROWD	GUVEQ	030		HF	R	FO		091.0 (087T)	004.0	02000
		GUVEQ	010	FACF	IF		FB				02000
		LAVXY	020	FAF	TF		FB	0.5	091.0 (087T)	006.1	01800
		RW09L	030	MAP	TF		FB	0.3	091.0 (087T)	005.1	00162

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IVONY	040		DF		FO	1.0			02000
	IVONY	050		HM	R	FO	2.0	271.2 (267T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CROWD	N274001.46	W0815740.19	N2740.024	W08157.670
	GUVEQ	N275605.58	W0820001.89	N2756.093	W08200.032
	IVONY	N275716.57	W0813351.98	N2757.276	W08133.866
	LAVXY	N275624.73	W0815309.36	N2756.412	W08153.156
	RW09L	N275640.39	W0814726.20	N2756.673	W08147.437

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09L	00117	45

CITY AND STATE
BARTOW, FL

ELEVATION: 125 TDZE: 125
AIRPORT NAME:
BARTOW MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9L, AMDT 1
07 MAY 2009

SUP:
AMDT: ORIG-A
DATED: 02/20/2003

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ANTII (IAF)	ZOMOV (NOPT) (FB)	140.13 / 5.00	2200	LPV: DA LNAV/VNAV: DA LNAV: RW23 CLIMB TO 2300 DIRECT FODBI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 050.01 INBOUND. CHART FAS OBST: 275 TOWER 275710N/0814647W DISTANCE TO THLD FROM 330 HAT: 0.85 NM. WAAS CHANNEL # 63112 REFERENCE PATH ID: W23A
BOONN (IAF)	ZOMOV (NOPT) (FB)	320.19 / 5.00	2200	
ZOMOV (IF/IAF)	AKACA (FB)	230.16 / 6.10	1800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE ZOMOV, RT, 230.16 INBOUND, 2200 FT. IN LIEU OF PT (IAF)
- FAC: 230.12 FAF: AKACA DIST FAF TO MAP: 5.01 THLD: 5.01
- MIN. ALT: ZOMOV 2200, AKACA 1800, JANGO/2.50 NM TO RW23 980'
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1800 GS ALT AT: AKACA OM: MM: IM:
- GS ANGLE: 3.00 TCH: 60.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 4W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	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	454	1	330	454	1	330	454	1	330	454	1	330				
LNAV/VNAV DA	575	1 1/2	451	575	1 1/2	451	575	1 1/2	451	575	1 1/2	451				
LNAV MDA	580	1	456	580	1	456	580	1 1/4	456	580	1 1/2	456				
CIRCLING	580	1	455	580	1	455	580	1 1/2	455	680	2	555				

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 48C (118F).

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

*LNAV ONLY

SEE 8260-10

CITY AND STATE	ELEVATION: 125 TDZE: 124	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BARTOW, FL	AIRPORT NAME: BARTOW MUNI		RNAV (GPS) RWY 23, ORIG 07 MAY 2009	AMDT: NONE
				DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE TAMPA INTL ALTIMETER SETTING AND INCREASE ALL DA 106 FEET AND MDA 120 FEET; INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS 1/2

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

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: BARO-VNAV NA WHEN USING TAMPA INTL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	140/30 CW 320/30 (NOPT)	140/5 CW 320/5	2700
	140/5 CW 320/5	ZOMOV (IF/IAF) (FB)	2200
2.	320/30 CW 050/30	320/5 CW 050/5	2300
	320/5 CW 050/5	BOONN (IAF) (FB)	2200
3.	050/30 CW 140/30	050/5 CW 140/5	2300
	050/5 CW 140/5	ANTII (IAF) (FB)	2200

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 124

AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KBOW
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	275651.6670N
LTP/FTP LONGITUDE	0814641.6710W
LTP/FTP ELLIPSOIDAL HEIGHT	+00111
FPAP LATITUDE	275549.7000N
FPAP LONGITUDE	0814754.1400W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

FCEAC689

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00373
FPAP ORTHOMETRIC HEIGHT	+00373

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 124

AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBOWK7FR23	AANTII	010ANTI	IK7EA0E	A	IF					18000		A JS	
SUSAP KBOWK7FR23	AANTII	020ZOMOV	K7EA0EE	010TF		14010050		+ 02200				A JS	
SUSAP KBOWK7FR23	ABOONN	010BOONN	K7EA0E	A	IF					18000		A JS	
SUSAP KBOWK7FR23	ABOONN	020ZOMOV	K7EA0EE	010TF		32020050		+ 02200				A JS	
SUSAP KBOWK7FR23	AZOMOV	010ZOMOV	K7EA0EE	CR	HF	23020040		+ 02200		18000		A JS	
SUSAP KBOWK7FR23	R	010ZOMOV	K7EA0E	I	IF			+ 02200		18000		A JS	
SUSAP KBOWK7FR23	R	020AKACAK	7EA1E	F	051TF	23020061		+ 01800				A JS	
SUSAP KBOWK7FR23	R	020AKACAK	7EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP KBOWK7FR23	R	021JANGOK	7EA0E	S	031TF	23010025		V 0098000984		-300		A JS	
SUSAP KBOWK7FR23	R	030RW23	K7PGOGY	M	031TF	23010025		00182		-300		A JS	
SUSAP KBOWK7FR23	R	040FODBIK	7EA0EYM		DF			+ 02300				A JS	
SUSAP KBOWK7FR23	R	050FODBIK	7EA0EE	HR020HM		05000040		+ 02300				A JS	

[illegible][illegible]

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 124
AIRPORT NAME:
BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, ORIG
07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP KBOWK7PR23 RW23 001 0000W23A0N2756516670W08146416710+001110300N2755497000W08147541400106751224000600F400500FCEAC689
SUSAP KBOWK7PR23 RW23 002E +00373+00373LPV 63112 000

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 124
AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ANTII	ANTII	010	IAF	IF		FB				
	ANTII	ZOMOV	020		TF		FB	1.0	140.1 (136T)	005.0	02200
	BOONN	BOONN	010	IAF	IF		FB				
	BOONN	ZOMOV	020		TF		FB	1.0	320.2 (316T)	005.0	02200
	ZOMOV	ZOMOV	010		HF	R	FB		230.2 (226T)	004.0	02200
		ZOMOV	010	FACF	IF		FB				02200
		AKACA	020	FAF	TF		FB	0.5	230.2 (226T)	006.1	01800
		JANGO	021	SDF	TF		FB	0.3	230.1 (226T)	002.5	0098000984
		RW23	030	MAP	TF		FO	0.3	230.1 (226T)	002.5	00182

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FODBI	040		DF		FO				02300
	FODBI	050		HM	R	FO	2.0	050.0 (046T)	004.0	02300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AKACA	N280020.65	W0814237.00	N2800.344	W08142.617
	ANTII	N280811.84	W0814133.80	N2808.197	W08141.563
	BOONN	N280057.91	W0813343.98	N2800.965	W08133.733
	FODBI	N274829.62	W0815627.70	N2748.494	W08156.462
	JANGO	N275835.97	W0814439.62	N2758.600	W08144.660
	ZOMOV	N280434.93	W0813738.76	N2804.582	W08137.646
	RW23	N275651.67	W0814641.67	N2756.861	W08146.695

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	00122	60

CITY AND STATE
BARTOW, FL

ELEVATION: 125 TDZE: 124
 AIRPORT NAME:
 BARTOW MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 23, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE					
LAL VORTAC	IVONY (FO)	098.42 / 23.95	2000	LPV: DA LNAV/VNAV: DA LNAV: RW27R CLIMB TO 2000 DIRECT GUYEQ AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.98 INBOUND. CHART FAS OBST: 275 TOWER 275710N/0814647W CHART FAS OBST: 229 TREE 275715N/0814545W DISTANCE TO THLD FROM 345 HAT: 1.01 NM. CHART VDP AT 1.36 MILES TO RW27R* *LNAV ONLY. WAAS CHANNEL # 82412 REFERENCE PATH ID: W27A				
IVONY (IF/IAF)	CEZBA (FB)	271.19 / 6.10	1800					
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E IVONY, RT, 271.19 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>271.13</u> FAF: <u>CEZBA</u> DIST FAF TO MAP: <u>5.11</u> THLD: <u>5.11</u> 4. MIN. ALT: <u>IVONY 2000, CEZBA 1800</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> </u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>CEZBA</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>35.0</u> <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW27R 2700</u>								
				MAG VAR: 4W EPOCH YEAR: 1995				
MINIMUMS								
TAKEOFF:	STANDARD	X	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
LPV DA	470	1 1/4	345	470	1 1/4	345	470	1 1/4
LNAV/VNAV DA	530	1 1/2	405	530	1 1/2	405	530	1 1/2
LNAV MDA	580	1	455	580	1	455	580	1 1/2
CIRCLING	580	1	455	580	1	455	580	1 1/2
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. VDP NA WHEN USING TAMPA INTL ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAMPA INTL SETTING AND INCREASE ALL DA SEE 8260-10								
CITY AND STATE			ELEVATION: 125 TDZE: 125		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
BARTOW, FL			AIRPORT NAME: BARTOW MUNI				RNAV (GPS) RWY 27R, AMDT 1	
							07 MAY 2009	
							SUP: AMDT: ORIG-A	
							DATED 04/18/2002	

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

106 FEET AND ALL MDA 120 FEET, INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS 1/2 MILE, INCREASE LNAV VISIBILITY CAT C AND D 1/4 MILE, AND CIRCLING VISIBILITY CAT D 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LAL VORTAC VIA AIRWAY RADIALS 046 CW 153.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).

CHART NOTE: BARO-VNAV NA WHEN USING TAMPA INTL ALTIMETER SETTING.

CITY AND STATE

BARTOW, FL

ELEVATION: 125 TDZE: 125

AIRPORT NAME:

BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27R, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG-A

DATED: 04/18/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KBOW
RUNWAY	RW27R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	275642.9050N
LTP/FTP LONGITUDE	0814630.5195W
LTP/FTP ELLIPSOIDAL HEIGHT	+00087
FPAP LATITUDE	275638.3600N
FPAP LONGITUDE	0814810.9900W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 97A23FA1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00350
FPAP ORTHOMETRIC HEIGHT	+00350

CITY AND STATE
BARTOW, FL

ELEVATION: 125 TDZE: 125
AIRPORT NAME:
BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27R, AMDT 1
07 MAY 2009

SUP:	
AMDT:	ORIG-A
DATED:	04/18/2002

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[illegible]

DATED: 04/18/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP KBOWK7PR27R RW27R002E +00350+00350LPV 82412

G

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
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	7	8	9	0	1	2	3	4	5	6	7	8	9
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	0	1	2	3	4	5	6	7	8	9	0	1	2
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	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
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	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
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	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
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	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
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	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
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	3	4	5	6	7	8	9	0	1	2	3	4	5
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	9	0	1	2	3	4	5	6	7	8	9	0	1
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	3	4	5	6	7	8	9	0	1	2	3	4	5
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	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
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	9	0	1	2	3	4	5	6	7	8	9	0	1
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	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LAL	LAL	010		IF		FB				
	LAL	IVONY	020	IAF	TF		FO	2.0	098.4 (094T)	024.0	02000
	LAL	IVONY	030		HF	R	FO		271.2 (267T)	004.0	02000
		IVONY	010	FACF	IF		FB				02000
		CEZBA	020	FAF	TF		FB	0.5	271.2 (267T)	006.1	01800
		RW27R	030	MAP	TF		FO	0.3	271.1 (267T)	005.1	00150

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GUVEQ	040		DF		FO	1.0			02000
	GUVEQ	050		HM	R	FO	2.0	091.0 (087T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LAL	N275910.25	W0820049.99	N2759.171	W08200.833
	CEZBA	N275658.40	W0814044.78	N2756.973	W08140.746
	GUVEQ	N275605.58	W0820001.89	N2756.093	W08200.032
	IVONY	N275716.57	W0813351.98	N2757.276	W08133.866
	RW27R	N275642.91	W0814630.52	N2756.715	W08146.509

RUNWAY DATA	RWY	THRESHOLD	ELEVATION	TCH
	RW27R	00115		35

CITY AND STATE
BARTOW, FL

ELEVATION: 125 TDZE: 125
 AIRPORT NAME:
 BARTOW MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 27R, AMDT 1
 07 MAY 2009

SUP:
 AMDT: ORIG-A
 DATED: 04/18/2002

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
IMUGE (IAF)	FABOL (NOPT) (FB)	208.45 / 5.00	3000	LNAV: RW12 CLIMB TO 3000 DIRECT HEMMY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 298.69 INBOUND. CHART FAS OBST: 991 TOWER 405002N/0911247W JANGA TO RW12: 3.04/39.
EASLE (IAF)	FABOL (NOPT) (FB)	028.37 / 5.00	3000	
FABOL (IF/IAF)	JANGA (FB)	118.41 / 6.10	2400	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW FABOL, RT, 118.41 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 118.49 FAF: JANGA DIST FAF TO MAP: 5.17 THLD: 5.17
- MIN. ALT: FABOL 3000, JANGA 2400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	STANDARD	X	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	1300	1	608	1300	1	608	1300	1 3/4	608		NA					
CIRCLING	1300	1	602	1300	1	602	1300	1 3/4	602		NA					

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT MADISON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE BURLINGTON, IA	ELEVATION: 698 TDZE: 692 AIRPORT NAME: SOUTHEAST IOWA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	028/30 CW 208/30 (NOPT)	FABOL (IF/IAF) (FB)	3000
2.	208/30 CW 298/30	IMUGE (IAF) (FB)	3000
3.	298/30 CW 028/30	EASLE (IAF) (FB)	3000

CITY AND STATE

BURLINGTON, IA

ELEVATION: 698 TDZE: 692

AIRPORT NAME:
SOUTHEAST IOWA RGNLFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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][illegible][illegible]

CITY AND STATE BURLINGTON, IA	ELEVATION: 698 TDZE: 692 AIRPORT NAME: SOUTHEAST IOWA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EASLE	EASLE	010	IAF	IF		FB				
	EASLE	FABOL	020		TF		FB	1.0	028.4 (029T)	005.0	03000
	FABOL	FABOL	010		HF	R	FB		118.4 (119T)	004.0	03000
	IMUGE	IMUGE	010	IAF	IF		FB				
	IMUGE	FABOL	020		TF		FB	1.0	208.5 (210T)	005.0	03000
		FABOL	010	FACF	IF		FB				03000
		JANGA	020	FAF	TF		FB	0.5	118.4 (119T)	006.1	02400
		RW12	030	MAP	TF		FO	0.3	118.5 (120T)	005.2	00731

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HEMMY	040		DF		FO	1.0			03000
	HEMMY	050		HM	R	FO	2.0	298.7 (300T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EASLE	N404840.48	W0912419.10	N4048.675	W09124.318
	FABOL	N405302.03	W0912105.09	N4053.034	W09121.085
	HEMMY	N404130.71	W0905420.68	N4041.512	W09054.345
	IMUGE	N405723.48	W0911750.65	N4057.391	W09117.844
	JANGA	N405001.87	W0911404.76	N4050.031	W09114.079
	RW12	N404729.06	W0910809.54	N4047.484	W09108.159

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW12	00692		39

CITY AND STATE
BURLINGTON, IA

ELEVATION: 698 TDZE: 692
 AIRPORT NAME:
 SOUTHEAST IOWA RGNL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 12, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW30 CLIMB TO 3000 DIRECT FABOL AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 118.41 INBOUND. CHART FAS OBST: 829 TANK 404627N/0910646W DITKE TO RW30: 3.04/40.											
CEEAR (IAF)	HEMMY (NOPT) (FB)	028.65 / 5.00	3000												
GAPLE (IAF)	HEMMY (NOPT) (FB)	208.73 / 5.00	3000												
HEMMY (IF/IAF)	DITKE (FB)	298.69 / 6.12	2400												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE HEMMY, RT, 298.69 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>298.61</u> FAF: <u>DITKE</u> DIST FAF TO MAP: <u>5.16</u> THLD: <u>5.16</u> 4. MIN. ALT: HEMMY 3000, DITKE 2400 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: 1E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1080	1	387	1080	1	387	1080	1	387		NA				
CIRCLING	1160	1	462	1160	1	462	1160	1 1/2	462		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT MADISON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND LNAV CAT C VISIBILITY 1/4 MILE.															
CITY AND STATE				ELEVATION: 698 TDZE: 693		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
BURLINGTON, IA				AIRPORT NAME: — SOUTHEAST IOWA RGNL		RNAV		RNAV (GPS) RWY 30, ORIG 07 MAY 2009				AMDT: NONE			
												DATED			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	209/30 CW 029/30 (NOPT)	HEMMY (IF/IAF) (FB)	3000
2.	029/30 CW 119/30	CEEAR (IAF) (FB)	3000
3.	119/30 CW 209/30	GAPLE (IAF) (FB)	3000

CITY AND STATE

BURLINGTON, IA

ELEVATION: 698 TDZE: 693

AIRPORT NAME:
SOUTHEAST IOWA RGNLFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBRLK3FR30	ACEEAR	010CEEARK5EA0E	A	IF					18000		B	JS
SUSAP	KBRLK3FR30	ACEEAR	020HEMMYK5EA0EE		010TF		02870050	+	03000			B	JS
SUSAP	KBRLK3FR30	AGAPLE	010GAPLEK5EA0E	A	IF					18000		B	JS
SUSAP	KBRLK3FR30	AGAPLE	020HEMMYK5EA0EE		010TF		20870050	+	03000			B	JS
SUSAP	KBRLK3FR30	AHEMMY	010HEMMYK5EA0EE	CR	HF		29870040	+	03000	18000		B	JS
SUSAP	KBRLK3FR30	R	010HEMMYK5EA0E	I	IF			+	03000	18000		B	JS
SUSAP	KBRLK3FR30	R	020DITKEK5EA1E	F	051TF		29870061	+	02400			B	JS
SUSAP	KBRLK3FR30	R	020DITKEK5EA2WN			N	ALNAV						JS
SUSAP	KBRLK3FR30	R	030RW30	K3PGOGY	M	031TF	29860052		00733		-304	B	JS
SUSAP	KBRLK3FR30	R	040FABOLK3EA0EYM		010DF			+	03000			B	JS
SUSAP	KBRLK3FR30	R	050FABOLK3EA0EE		HR020HM		11840040	+	03000			B	JS

[illegible]

CITY AND STATE BURLINGTON, IA	ELEVATION: 698 TDZE: 693 AIRPORT NAME: SOUTHEAST IOWA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CEEAR	CEEAR	010	IAF	IF		FB				
	CEEAR	HEMMY	020		TF		FB	1.0	028.7 (030T)	005.0	03000
	GAPLE	GAPLE	010	IAF	IF		FB				
	GAPLE	HEMMY	020		TF		FB	1.0	208.7 (210T)	005.0	03000
	HEMMY	HEMMY	010		HF	R	FB		298.7 (300T)	004.0	03000
		HEMMY	010	FACF	IF		FB				03000
		DITKE	020	FAF	TF		FB	0.5	298.7 (300T)	006.1	02400
		RW30	030	MAP	TF		FO	0.3	298.6 (300T)	005.2	00733

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FABOL	040		DF		FO	1.0			03000
	FABOL	050		HM	R	FO	2.0	118.4 (119T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEEAR	N403709.88	W0905735.81	N4037.165	W09057.597
	DITKE	N404432.48	W0910120.33	N4044.541	W09101.339
	FABOL	N405302.03	W0912105.09	N4053.034	W09121.085
	GAPLE	N404551.45	W0905105.12	N4045.858	W09051.085
	HEMMY	N404130.71	W0905420.68	N4041.512	W09054.345
	RW30	N404705.43	W0910714.69	N4047.091	W09107.245

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW30	00693	40

CITY AND STATE BURLINGTON, IA	ELEVATION: 698 TDZE: 693 AIRPORT NAME: SOUTHEAST IOWA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																	
TERMINAL ROUTES										MISSED APPROACH							
FROM	TO			COURSE AND DISTANCE					ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3000 DIRECT AXCUC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 178.55 INBOUND. CHART FAS OBST: 757 TREE 404536N/0910710W CHART FAS OBST: 844 OL STACK 404428N/0910659W DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 1.16 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 42711 REFERENCE PATH ID: W36A						
OWZEP (IAF)	ETKUC (NOPT) (FB)			088.48 / 5.00					3000								
VOSXE (IAF)	ETKUC (NOPT) (FB)			268.62 / 5.00					3000								
ETKUC (IF/IAF)	FUWQO (FB)			358.55 / 6.10					2400								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S ETKUC, RT, 358.55 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>358.55</u> FAF: <u>FUWQO</u> DIST FAF TO MAP: <u>5.17</u> THLD: <u>5.17</u> 4. MIN. ALT: <u>ETKUC 3000, FUWQO 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> </u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>FUWQO 2400</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.6</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u> </u>										MAG VAR: 1E EPOCH YEAR: 1995							
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	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	894	1/2	200	894	1/2	200	894	1/2	200		NA						
LNAV/VNAV DA	1026	3/4	332	1026	3/4	332	1026	3/4	332		NA						
LNAV MDA	1100	1/2	406	1100	1/2	406	1100	3/4	406		NA						
CIRCLING	1160	1	462	1160	1	462	1160	1 1/2	462		NA						
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT MADISON ALTIMETER SETTING AND INCREASE ALL DA 31 FEET, ALL MDA 40 FEET. CHART NOTE: VDP AND BARO-VNAV NA WHEN USING FORT MADISON ALTIMETER SETTING.																	
CITY AND STATE				ELEVATION: 698 TDZE: 694				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
BURLINGTON, IA				AIRPORT NAME: SOUTHEAST IOWA RGNL				RNAV				RNAV (GPS) RWY 36, AMDT 1 07 MAY 2009				AMDT: ORIG	
																DATED 03/15/2007	

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	269/30 CW 088/30 (NOPT)	ETKUC (IF/IAF) (FB)	3000
2.	088/30 CW 179/30	OWZEP (IAF) (FB)	3000
3.	179/30 CW 269/30	VOSXE (IAF) (FB)	3000

CITY AND STATE

BURLINGTON, IA

ELEVATION: 698 TDZE: 694

AIRPORT NAME:
SOUTHEAST IOWA RGNLFACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 03/15/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KBRL
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	404613.4000N
LTP/FTP LONGITUDE	0910725.5100W
LTP/FTP ELLIPSOIDAL HEIGHT	+01731
FPAP LATITUDE	404719.6100N
FPAP LONGITUDE	0910726.2000W
THRESHOLD CROSSING HEIGHT (TCH)	00053.6
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 3C0AE6C3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02063
FPAP ORTHOMETRIC HEIGHT	+02063

CITY AND STATE BURLINGTON, IA	ELEVATION: 698 TDZE: 694 AIRPORT NAME: SOUTHEAST IOWA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 07 MAY 2009	SUP: AMDT: ORIG DATED: 03/15/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KBRLK3FR36	AETKUC	010ETKUCK5EA0EE	CR	HF		35860040	+	03000	18000		A	JS
SUSAP	KBRLK3FR36	AOWZEP	010OWZEPK5EA0E	A	IF					18000		A	JS
SUSAP	KBRLK3FR36	AOWZEP	020ETKUCK5EA0EE		010TF		08850050	+	03000			A	JS
SUSAP	KBRLK3FR36	AVOSXE	010VOSXEK5EA0E	A	IF					18000		A	JS
SUSAP	KBRLK3FR36	AVOSXE	020ETKUCK5EA0EE		010TF		26860050	+	03000			A	JS
SUSAP	KBRLK3FR36	R	010ETKUCK5EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KBRLK3FR36	R	020FUWQOK3EA1E	F	051TF		35860061	+	02400			A	JS
SUSAP	KBRLK3FR36	R	020FUWQOK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KBRLK3FR36	R	030RW36	K3PG0GY	M	031TF	35860052		00731	-300		A	JS
SUSAP	KBRLK3FR36	R	040AXCUKK3EA0EYM		010DF			+	03000			A	JS
SUSAP	KBRLK3FR36	R	050AXCUKK3EA0EE		HR020HM		17860040	+	03000			A	JS

[illegible][illegible]

CITY AND STATE BURLINGTON, IA	ELEVATION: 698 TDZE: 694 AIRPORT NAME: SOUTHEAST IOWA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG
				DATED: 03/15/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ETKUC	ETKUC	010		HF	R	FB		358.6 (360T)	004.0	03000
	OWZEP	OWZEP	010	IAF	IF		FB				
	OWZEP	ETKUC	020		TF		FB	1.0	088.5 (090T)	005.0	03000
	VOSXE	VOSXE	010	IAF	IF		FB				
	VOSXE	ETKUC	020		TF		FB	1.0	268.6 (270T)	005.0	03000
		ETKUC	010	FACF	IF		FB				03000
		FUWQO	020	FAF	TF		FB	0.5	358.6 (360T)	006.1	02400
		RW36	030	MAP	TF		FO	0.3	358.6 (360T)	005.2	00731

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AXCUK	040		DF		FO	1.0			03000
	AXCUK	050		HM	R	FO	2.0	178.6 (180T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXCUK	N405213.61	W0910729.24	N4052.227	W09107.487
	ETKUC	N403456.78	W0910718.54	N4034.946	W09107.309
	FUWQO	N404103.11	W0910722.31	N4041.052	W09107.372
	OWZEP	N403454.24	W0911352.27	N4034.904	W09113.871
	VOSXE	N403458.95	W0910044.80	N4034.983	W09100.747
	RW36	N404613.40	W0910725.51	N4046.223	W09107.425

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00677	54

CITY AND STATE
BURLINGTON, IA

ELEVATION: 698 TDZE: 694
 AIRPORT NAME:
 SOUTHEAST IOWA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, AMDT 1
 07 MAY 2009

SUP:
 AMDT: ORIG
 DATED: 03/15/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

CITY AND STATE BURLINGTON, IA	ELEVATION: 698 TDZE: 694 AIRPORT NAME: SOUTHEAST IOWA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG
				DATED: 03/15/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 9.62 MILES AFTER BRL VORTAC OR AT BRL 9.62 DME FIX CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT BRL VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 288.00 INBOUND. CHART FAS OBST: 829 TANK 404627N/0910646W UGULE TO RW30: 2.89/45. CHART TDZ ELEVATION: 693						
1. PT <u>L</u> SIDE OF COURSE <u>107.58</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>BRL VORTAC</u> (IAF) 2. _____ 3. FAC <u>287.58</u> FAF <u>BRL VORTAC</u> DIST FAF TO MAP <u>9.62</u> THLD <u>9.62</u> 4. MIN. ALT <u>BRL VORTAC 3000, UGULE INT/7.92 DME 1260*</u> 8. MSA FROM: <u>BRL VORTAC 2500</u>										MAG VAR: 5E EPOCH YEAR: 1965						
MINIMUMS																
TAKEOFF:		STANDARD		X		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-30		1260	1	567	1260	1	567	1260	1 1/2	567		NA				
CIRCLING		1260	1	562	1260	1	562	1260	1 1/2	562		NA				
UGULE FIX MINIMUMS																
S-30		1080	1	387	1080	1	387	1080	1	387		NA				
CIRCLING		1160	1	462	1160	1	462	1160	1 1/2	462		NA				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. *1300 WHEN USING FORT MADISON ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT MADISON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE ALL CAT C VISIBILITY 1/4 MILE.																
CITY AND STATE BURLINGTON, IA				ELEVATION: 698 TDZE: 693 AIRPORT NAME: SOUTHEAST IOWA RGNL				FACILITY IDENTIFIER: BRL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 30, AMDT 13 07 MAY 2009				SUP VOR OR GPS RWY 30 AMDT 12 DATE 06/15/2000		

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
UJWIG (IAF)	QECQI (NOPT) (FB)	225.93 / 5.00	3600	LNAV: RW14
OFOYI (IAF)	QECQI (NOPT) (FB)	045.81 / 5.00	3600	CLIMB TO 3900 DIRECT EVHAP AND HOLD.
QECQI (IF/IAF)	KAJQU (FB)	135.87 / 6.10	2900	
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 316.09 INBOUND. CHART FAS OBST: 1477 TOWER 411643N/0954748W 1570 AAO 411946N/0955004W CHART VDP AT 1.55 MILES TO RW14. KAJQU TO RW14: 3.04/40

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW QECQI, RT, 135.87 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
- FAC: 135.92 FAF: KAJQU DIST FAF TO MAP: 5.02 THLD: 5.02
- MIN. ALT: QECQI 3600, KAJQU 2900
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 5E

EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	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	1780	1	535	1780	1	535	1780	1 1/2	535	1780	1 3/4	535			
CIRCLING	1780	1	527	1780	1	527	1840	1 1/2	587	1840	2	587			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPPLEY AIRFIELD ALTIMETER SETTING AND INCREASE ALL MDA 60FT.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE COUNCIL BLUFFS, IA	ELEVATION: 1253 TDZE: 1245	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 07 MAY 2009	SUP:
	AIRPORT NAME: COUNCIL BLUFFS MUNI			AMDT: ORIG
				DATED 05/10/2007

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

TAA

	FROM	TO	ALT
1.	046/30 CW 226/30 (NOPT)	QECQI (IF/IAF) (FB)	3600
2.	226/30 CW 316/30	UJWIG (IAF) (FB)	3900
3.	316/30 CW 046/30	OFOYI (IAF) (FB)	4000

CITY AND STATE

COUNCIL BLUFFS, IA

ELEVATION: 1253 TDZE: 1245

AIRPORT NAME:

COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 05/10/2007

RNAV (GPS) 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.

[illegible]

SUSAEAEENRT	EVHAP	K30	W	N41055713W095352174	E0032	NAR	EVHAP
SUSAEAEENRT	KAJQU	K30	W	N41193916W095500303	E0034	NAR	KAJQU
SUSAEAEENRT	OFOYI	K30	W	N41211392W096001879	E0035	NAR	OFOYI
SUSAEAEENRT	QECQI	K30	W	N41242346W095550978	E0035	NAR	QECQI
SUSAEAEENRT	UJWIG	K30	W	N41273277W095500027	E0034	NAR	UJWIG

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCBFK3FR14	AOFOYI	010OFOY1K3EA0E	A	IF					18000		B	JS
SUSAP	KCBFK3FR14	AOFOYI	020QECQIK3EA0EE		010TF		04580050	+	03600			B	JS
SUSAP	KCBFK3FR14	AQECQI	010QECQIK3EA0EE	CR	HF		13590040	+	03600	18000		B	JS
SUSAP	KCBFK3FR14	AUJWIG	010UJWIGK3EA0E	A	IF					18000		B	JS
SUSAP	KCBFK3FR14	AUJWIG	020QECQIK3EA0EE		010TF		22590050	+	03600			B	JS
SUSAP	KCBFK3FR14	R	010QECQIK3EA0E	I	IF			+	03600	18000		B	JS
SUSAP	KCBFK3FR14	R	020KAJQUK3EA1E	F	051TF		13590061	+	02900			B	JS
SUSAP	KCBFK3FR14	R	020KAJQUK3EA2WN			N	ALNAV						JS
SUSAP	KCBFK3FR14	R	030RW14	K3PG0GY	M	031TF	13590050		01280		-304	B	JS
SUSAP	KCBFK3FR14	R	040EVHAPK3EA0EYM		010DF				03900			B	JS
SUSAP	KCBFK3FR14	R	050EVHAPK3EA0EE	HR020HM			31610040	+	03900			B	JS

[illegible]

CITY AND STATE
COUNCIL BLUFFS, IA

ELEVATION: 1253 TDZE: 1245
AIRPORT NAME:
COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
07 MAY 2009

SUP:	
AMDT:	ORIG
DATED:	05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	OFOYI	OFOYI	010	IAF	IF		FB				
	OFOYI	QECQI	020		TF		FB	1.0	045.8(051T)	005.0	03600
	QECQI	QECQI	010		HF	R	FB		135.9(141T)	004.0	03600
	UJWIG	UJWIG	010	IAF	IF		FB				
	UJWIG	QECQI	020		TF		FB	1.0	225.9(231T)	005.0	03600
		QECQI	010	FACF	IF		FB				03600
		KAJQU	020	FAF	TF		FB	0.5	135.9(141T)	006.1	02900
		RW14	030	M&P	TF		FO	0.3	135.9(141T)	005.0	01280

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	EVHAP	040		DF		FO	1.0			03900
	EVHAP	050		HM	R	FO	2.0	316.1(321T)	004.0	03900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EVHAP	N410557.13	W0953521.74	N4105.952	W09535.362
	KAJQU	N411939.16	W0955003.03	N4119.653	W09550.051
	OFOYI	N412113.92	W0960018.79	N4121.232	W09600.313
	QECQI	N412423.46	W0955509.78	N4124.391	W09555.163
	UJWIG	N412732.77	W0955000.27	N4127.546	W09550.005
	RW14	N411545.27	W0954551.42	N4115.755	W09545.857

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW14	01240		40

CITY AND STATE
COUNCIL BLUFFS, IA

ELEVATION: 1253 TDZE: 1245
 AIRPORT NAME:
COUNCIL BLUFFS MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
07 MAY 2009

SUP:	
AMDT:	ORIG
DATED:	05/10/2007

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: 4.33 MILES AFTER EMONS OM/INT CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2500 DIRECT PXV VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2500 DIRECT EV LOM AND HOLD NE, RT, 218.09 INBOUND (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, RT, 057.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE EV LOM, RT, 218.09 INBOUND. CHART FAS OBST: 563 TREE 380042N/0873321W CHART IN PLANVIEW: EV LOM. CHART ASR.	
PXV VORTAC (IAF)	HUGMU INT	094.35 / 5.45	2000		
ARLUV INT (IAF)	HUGMU INT	038.08 / 4.11 (I-DSO)	2000		
HUGMU INT (IF)	EMONS OM/INT	038.08 / 4.56 (I-DSO)	2000		
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HUGMU 3. FAC: <u>038.08</u> FAF: <u>EMONS OM/INT</u> DIST FAF TO MAP: <u>4.33</u> THLD: <u>4.33</u> 4. MIN. ALT: <u>HUGMU 2000, EMONS OM 2000, KECEG INT 1180*</u> 5. DIST TO THLD FROM OM: <u>4.33</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>988</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>GS INTCP</u> OM: <u>1831</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.8</u> 8. MSA FROM: <u>PXV VORTAC 2500</u>				MAG VAR: 0E EPOCH YEAR: 1985	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #
CATEGORY =====>	LOC: STANDARD @				
	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 4	585	3/4	200	585	3/4
S-LOC 4	1180	1	795	1180	1 1/4
CIRCLING	1180	1	762	1180	1 1/4
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
	585	3/4	200	585	3/4
	1180	1	795	1180	2 1/4
	1180	1	762	1180	2 1/4
KECEG FIX MINIMUMS					
S-LOC 4	820	1	435	820	1 1/4
CIRCLING	940	1	522	960	1 1/2
	820	1 1/2	435	980	2
	562				
NOTES: *LOC ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PXV VORTAC AIRWAY RADIALS 043 CW 081.					
# CAT A, B 800-2, CAT C 800-2 1/4, CAT D 800-2 1/2 @ CAT C 800-2 1/4, CAT D 800-2 1/2 # @ NA WHEN CONTROL TOWER CLOSED.					
CITY AND STATE		ELEVATION: 418 TDZE: 385		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
EVANSVILLE, IN		AIRPORT NAME:		ILS OR LOC RWY 4, AMDT 2	
		EVANSVILLE RGNL		07 MAY 2009	
				SUP:	
				AMDT: 1B	
				DATED 11/23/2006	

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: 5.99 MILES AFTER VICCI LOM CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 2500 DIRECT PXV VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 2500 DIRECT EV LOM AND HOLD NE, RT, 218.09 INBOUND (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, RT, 057.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE EV LOM, RT, 218.09 INBOUND. CHART FAS OBST: 640 TREE 380637N/0872656W 799 AAO 380659N/0872602W CHART ASR.								
MAUNI INT	VICCI LOM	079.36 / 29.67	2500									
PXV VORTAC	VICCI LOM	048.96 / 19.33	2500									
AUGUS INT (IAF)	JISEV INT (NOPT)	218.10 / 8.08 (I-EVV)	2500									
JISEV INT (IF)	VICCI LOM	218.10 / 6.29 (I-EVV)	2500									
1. PT <u>L</u> SIDE OF COURSE <u>038.10</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>VICCI LOM</u> (IAF) 2. _____ 3. FAC: <u>218.10</u> FAF: <u>VICCI LOM</u> DIST FAF TO MAP: <u>5.99</u> THLD: <u>5.99</u> 4. MIN. ALT: <u>VICCI LOM 2500</u> 5. DIST TO THLD FROM OM: <u>5.99</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1350</u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2411</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.4</u> 8. MSA FROM: <u>EV LOM 2500</u>				MAG VAR: <u>0E</u> EPOCH YEAR: <u>1985</u>								
MINIMUMS												
TAKEOFF:	STANDARD	X	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
S-ILS 22	*618	2400	200	*618	2400	200	*618	2400	200	*618	2400	200
S-LOC 22	900	2400	482	900	2400	482	900	4000	482	900	5000	482
CIRCLING	940	1	522	960	1	542	960	1 1/2	542	980	2	562
NOTES: CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. # @ NA WHEN CONTROL TOWER CLOSED.												
CITY AND STATE		ELEVATION: 418 TDZE: 418		FACILITY IDENTIFIER: I-EVV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
EVANSVILLE, IN		AIRPORT NAME: EVANSVILLE RGNL				ILS OR LOC RWY 22, AMDT 21 07 MAY 2009			AMDT: 20C			
									DATED 04/10/2008			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 5.99 MILES AFTER VICCI LOM CLIMBING RIGHT TURN TO 2500 DIRECT EV LOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 218.09 INBOUND. FAS OBST: 749 AAO 380632N/0872658W 799 AAO 380634N/0872558W VICCI LOM TO RW22: 3.19/50. CHART ASR.											
MAUNI INT	VICCI LOM	079.36 / 29.67	2500												
PXV VORTAC	VICCI LOM	048.96 / 19.33	2500												
AUGUS INT (IAF)	JISEV INT (NOPT)	218.17 / 8.08 (EV BRG-038)	2500												
JISEV INT (IF)	VICCI LOM	218.20 / 6.29	2500												
1. PT <u>L</u> SIDE OF COURSE <u>038.09</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>VICCI LOM</u> (IAF) 2. _____ 3. FAC <u>218.09</u> FAF <u>VICCI LOM</u> DIST FAF TO MAP <u>5.99</u> THLD <u>5.99</u> 4. MIN. ALT <u>VICCI LOM 2500</u> 8. MSA FROM: <u>EV LOM 2500</u>					MAG VAR: <u>0E</u> EPOCH YEAR: <u>1985</u>										
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1060	4000	642	1060	4000	642	1060	6000	642	1060	1 3/4	642			
CIRCLING	1060	1	642	1060	1	642	1060	1 3/4	642	1060	2	642			
NOTES: @ NA WHEN CONTROL TOWER CLOSED.															
CITY AND STATE		ELEVATION: 418 TDZE: 418		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP NDB OR GPS RWY					
EVANSVILLE, IN		AIRPORT NAME:		EV		NDB RWY 22, AMDT 13				22					
		EVANSVILLE RGNL				07 MAY 2009				AMDT 12B					
										DATE 03/25/2002					

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 2500 DIRECT JISEV AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 218.20 INBOUND. CHART FAS OBST: 599 TREE 380107N/0873345W CHART FAS OBST: 589 TREE 380140N/0873315W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.34 MILES TO RW04* *LNAV ONLY. WAAS CHANNEL # 82711 REFERENCE PATH ID: W04A CHART ASR.											
HOLAN	ICINU (FO)	240.86 / 29.12	2500												
DIXEY (IAF)	ICINU (NOPT) (FB)	337.34 / 8.30	2500												
PXV VORTAC (IAF)	ICINU (NOPT) (FB)	119.91 / 4.73	2500												
ICINU (IF/IAF)	WIDIT (FB)	037.99 / 6.15	2000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW ICINU, RT, 037.99 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: 038.04 FAF: WIDIT _____ DIST FAF TO MAP: 4.85 THLD: 4.85 4. MIN. ALT: ICINU 2500, WIDIT 2000, USOCU/2.80 NM TO RW04 1320* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: WIDIT _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 52.8 34:1 IS CLEAR 8. MSA FROM: RW04 2500				MAG VAR: 0E EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF: _____	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY =====>	A		B		C										
	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	585	3/4	200	585	3/4	200	585	3/4	200	585	3/4	200			
LNAV/VNAV DA	970	2	585	970	2	585	970	2	585	970	2	585			
LNAV MDA	860	1	475	860	1	475	860	1 1/4	475	860	1 1/2	475			
CIRCLING	940	1	522	960	1	542	960	1 1/2	542	980	2	562			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PXV VORTAC VIA V4 WESTBOUND.															
CITY AND STATE EVANSVILLE, IN		ELEVATION: 418 TDZE: 385 AIRPORT NAME: EVANSVILLE RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 07 MAY 2009		SUP: AMDT: NONE DATED							

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KEVV
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	380200.4400N
LTP/FTP LONGITUDE	0873159.3100W
LTP/FTP ELLIPSOIDAL HEIGHT	+00853
FPAP LATITUDE	380252.7300N
FPAP LONGITUDE	0873107.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00052.8
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

3C41B35B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01165
FPAP ORTHOMETRIC HEIGHT	+01165

CITY AND STATE

EVANSVILLE, IN

ELEVATION: 418 TDZE: 385

AIRPORT NAME:

EVANSVILLE RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

4
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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	

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

SUSAP KEVVK5GRW04 0067210381 N38020044W087315931+0400 +0085300382130053150I

SUSAP KEVVK5PR04	RW04	001	0000W04A0N3802004400W08731593100+008530300N3802527300W08731074900106750000000528F4003503C41B35B
SUSAP KEVVK5PR04	RW04	002E	+01165+01165LPV 82711 000

SUSAP KEVVK5SRW04 K5PG	0	18018002525	M

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	DIXEY	DIXEY	010	IAF	IF		FB				
	DIXEY	ICINU	020		TF		FB	1.0	337.3(337T)	008.3	02500
	HOLAN	HOLAN	010		IF		FB				
	HOLAN	ICINU	020	IAF	TF		FO	2.0	240.9(241T)	029.1	02500
	HOLAN	ICINU	030		HF	R	FO		038.0(038T)	004.0	02500
	PXV	PXV	010	IAF	IF		FB				
	PXV	ICINU	020		TF		FB	1.0	119.9(120T)	004.7	02500
		ICINU	010	FACF	IF		FB				02500
		WIDIT	020	FAF	TF		FB	0.5	038.0(038T)	006.2	02000
		USOCU	021	SDF	TF		FB	0.3	038.0(038T)	002.1	0132001334
		RW04	030	MAP	TF		FO	0.3	038.0(038T)	002.8	00435

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	JISEV	040		DF		FO	1.0			02500
	JISEV	050		HM	R	FO	2.0	218.2(218T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PXV	N375541.95	W0874544.57	N3755.699	W08745.743
	DIXEY	N374540.05	W0873631.15	N3745.668	W08736.519
	HOLAN	N380736.18	W0870825.91	N3807.603	W08708.432
	ICINU	N375320.03	W0874033.52	N3753.334	W08740.559
	JISEV	N381232.78	W0872130.68	N3812.546	W08721.511
	USOCU	N375948.03	W0873410.39	N3759.801	W08734.173
	WIDIT	N375811.09	W0873546.25	N3758.185	W08735.771
	RW04	N380200.44	W0873159.31	N3802.007	W08731.989

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00382	53

CITY AND STATE
 EVANSVILLE, IN

ELEVATION: 418 TDZE: 385
 AIRPORT NAME:
 EVANSVILLE RGNL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 4, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PXV VORTAC	JISEV (FO)	048.55 / 25.48	2500	LPV: DA LNAV/VNAV: DA LNAV: RW22
HOLAN (IAF)	JISEV (NOPT) (FB)	295.65 / 11.44	2500	CLIMB TO 2500 DIRECT ICINU AND HOLD.
AUGUS (IAF)	JISEV (NOPT) (FB)	218.26 / 8.08	2500	
MACKY (IAF)	JISEV (NOPT) (FB)	148.32 / 9.42	2500	
JISEV (IF/IAF)	CUYAR (FB)	218.20 / 6.01	2500	
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 037.99 INBOUND. CHART FAS OBST: 589 TREE 380339N/0873111W CHART FAS OBST: 619 TREE 380424N/0872952W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.29 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 42512 REFERENCE PATH ID: W22A CHART ASR.
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE JISEV, RT, 218.20 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>218.15</u> FAF: <u>CUYAR</u> DIST FAF TO MAP: <u>6.27</u> THLD: <u>6.27</u> 4. MIN. ALT: <u>JISEV 2500, CUYAR 2500, ZAGAK/2.30 NM TO RW22 1200*</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> </u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>CUYAR</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.4</u> <u>34:1</u> IS CLEAR 8. MSA FROM: <u>RW22 2500</u>				
				MAG VAR: 0E EPOCH YEAR: 1985

[illegible]

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PXY VORTAC VIA V7 SOUTHBOUND AND V4 WESTBOUND.

CITY AND STATE EVANSVILLE, IN	ELEVATION: 418 TDZE: 418	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: EVANSVILLE RGNL			AMDT: NONE
				DATED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KEVV
RUNWAY RW22
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W22A
LTP/FTP LATITUDE 380252.7300N
LTP/FTP LONGITUDE 0873107.4900W
LTP/FTP ELLIPSOIDAL HEIGHT +00963
FPAP LATITUDE 380150.3300N
FPAP LONGITUDE 0873209.3400W
THRESHOLD CROSSING HEIGHT (TCH) 00051.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.50
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

D3D55FB0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +01275
FPAP ORTHOMETRIC HEIGHT +01275

CITY AND STATE

EVANSVILLE, IN

ELEVATION: 418 TDZE: 418

AIRPORT NAME:

EVANSVILLE RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KEVVK5FR22	AAUGUS	010AUGUSK5EA0E	A	IF					18000		A	JS	
SUSAP	KEVVK5FR22	AAUGUS	020JISEVK5EA0EE		010TF		21830081	+	02500			A	JS	
SUSAP	KEVVK5FR22	AHOLAN	010HOLANK5EA0E	A	IF					18000		A	JS	
SUSAP	KEVVK5FR22	AHOLAN	020JISEVK5EA0EE		010TF		29570114	+	02500			A	JS	
SUSAP	KEVVK5FR22	AMACKY	010MACKYK5EA0E	A	IF					18000		A	JS	
SUSAP	KEVVK5FR22	AMACKY	020JISEVK5EA0EE		010TF		14830094	+	02500			A	JS	
SUSAP	KEVVK5FR22	APXV	010PXV	K5D	0V	IF				18000		A	JS	
SUSAP	KEVVK5FR22	APXV	020JISEVK5EA0EY	A	020TF		04860255	+	02500			A	JS	
SUSAP	KEVVK5FR22	APXV	030JISEVK5EA0EB	CR	HF		21820040	+	02500			A	JS	
SUSAP	KEVVK5FR22	R	010JISEVK5EA0E	I	IF			+	02500	18000		A	JS	
SUSAP	KEVVK5FR22	R	020CUYARK5EA1E	F	051TF		21820060	+	02500		RW22	K5PGA	JS	
SUSAP	KEVVK5FR22	R	020CUYARK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP	KEVVK5FR22	R	021ZAGAKK5EA0E	S	031TF		21820040	V	0120001208		-300		A	JS
SUSAP	KEVVK5FR22	R	030RW22	K5PG0GY	M	031TF	21820023		00469		-300		A	JS
SUSAP	KEVVK5FR22	R	040ICINUK5EA0EYM		010DF			+	02500				A	JS

CITY AND STATE
EVANSVILLE, IN

ELEVATION: 418 TDZE: 418
AIRPORT NAME:
EVANSVILLE RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, ORIG
07 MAY 2009

SUP:	
AMDT:	NONE
DATED:	

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

A JS

SUSAP KEVVK5GRW22 0080212181 N38025273W087310749-0400 +0096300418000051150I

SUSAP KEVVK5PR22	RW22	001	0000W22A0N3802527300W08731074900+009630300N3801503300W08732093400106500000000514F400350D3D55FB0
SUSAP KEVVK5PR22	RW22	002E	+01275+01275LPV 42512 000

SUSAP KEVVK5SRW22 K5PG 0 18018002525 M

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AUGUS	AUGUS	010	IAF	IF		FB				
	AUGUS	JISEV	020		TF		FB	1.0	218.3 (218T)	008.1	02500
	HOLAN	HOLAN	010	IAF	IF		FB				
	HOLAN	JISEV	020		TF		FB	1.0	295.7 (296T)	011.4	02500
	MACKY	MACKY	010	IAF	IF		FB				
	MACKY	JISEV	020		TF		FB	1.0	148.3 (148T)	009.4	02500
	PXV	PXV	010		IF		FB				
	PXV	JISEV	020	IAF	TF		FO	2.0	048.6 (049T)	025.5	02500
	PXV	JISEV	030		HF	R	FO		218.2 (218T)	004.0	02500
		JISEV	010	FACF	IF		FB				02500
		CUYAR	020	FAF	TF		FB	0.5	218.2 (218T)	006.0	02500
		ZAGAK	021	SDF	TF		FB	0.3	218.2 (218T)	004.0	0120001208
		RW22	030	MAP	TF		FO	0.3	218.2 (218T)	002.3	00469

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ICINU	040		DF		FO	1.0			02500
	ICINU	050		HM	R	FO	2.0	038.0 (038T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PXV	N375541.95	W0874544.57	N3755.699	W08745.743
	AUGUS	N381854.12	W0871509.65	N3818.902	W08715.161
	CUYAR	N380748.81	W0872613.48	N3807.814	W08726.225
	HOLAN	N380736.18	W0870825.91	N3807.603	W08708.432
	ICINU	N375320.03	W0874033.52	N3753.334	W08740.559
	JISEV	N381232.78	W0872130.68	N3812.546	W08721.511
	MACKY	N382034.47	W0872747.37	N3820.575	W08727.790
	ZAGAK	N380441.43	W0872919.65	N3804.691	W08729.328
	RW22	N380252.73	W0873107.49	N3802.879	W08731.125

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW22	00418		51

CITY AND STATE EVANSVILLE, IN	ELEVATION: 418 TDZE: 418	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: EVANSVILLE RGNL			AMDT: NONE
				DATED:

**U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- TITLE 14 CFR 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: RWY 4, 18, 22, 36: THLD
AS ESTABLISHED BY THE CURRENT EVANSVILLE ASR MINIMUM VECTORING ALTITUDE CHART												SEE 8260-10 FOR MISSED APPROACH INSTRUCTIONS.

MINIMUMS

TAKEOFF:		STANDARD	X	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
S-4		880	1	495	880	1	495	880	1 1/4	495	880	1 1/2	495			
S-18		880	1	484	880	1	484	880	1 1/4	484	880	1 1/2	484			
S-22		880	2400	462	880	2400	462	880	4000	462	880	5000	462			
S-36		880	1	497	880	1	497	880	1 1/4	497	880	1 1/2	497			
CIRCLING		940	1	522	960	1	542	960	1 1/2	542	980	2	562			

NOTES:

RWY 4: FAF 6 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2500, MINIMUM ALTITUDE 3 MILE FIX 1460, FINAL APPROACH COURSE 038. RECOMMENDED ALTITUDES: 5 MILES 2160, 4 MILES 1820, 3 MILES 1460, 2 MILES 1120.
 RWY 18: FAF 6 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2500, MINIMUM ALTITUDE 2 MILE FIX 1120, FINAL APPROACH COURSE 181. RECOMMENDED ALTITUDES: 5 MILES 2160, 4 MILES 1820, 3 MILES 1480, 2 MILES 1140.
 RWY 22: FAF 6 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2500, MINIMUM ALTITUDE 3 MILE FIX 1480, FINAL APPROACH COURSE 218. RECOMMENDED ALTITUDES: 5 MILES 2160, 4 MILES 1820, 3 MILES 1480, 2 MILES 1140.
 RWY 36: FAF 6 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2500, MINIMUM ALTITUDE 2 MILE FIX 1100, FINAL APPROACH COURSE 001. RECOMMENDED ALTITUDES: 5 MILES 2160, 4 MILES 1820, 3 MILES 1460, 2 MILES 1120.

SEE PAGE 2 FOR NOTES.

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

ADDITIONAL FLIGHT DATA

TDZE: 385	RWY: 4	TDZE: 396	RWY: 18
TDZE: 418	RWY: 22	TDZE: 383	RWY: 36

FAS OBST:

RWY 4: 609 TREE 380203N/0873351W
 RWY 18: 629 TREE 380426N/0873201W
 RWY 22: 630 TREE 380500N/0873015W
 RWY 36: 589 TREE 380140N/0873315W

MAG VAR: 0E

EPOCH YEAR: 1985

CITY AND STATE	ELEVATION: 418 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
EVANSVILLE, IN	EVANSVILLE RGNL	EVV ASR	07 MAY 2009 RADAR-1, AMDT 6	AMDT: 5B
				DATED: 03/25/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RADAR

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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.):

RWY 4, 36: CLIMBING LEFT TURN TO 2500 DIRECT PXV VORTAC AND HOLD SW, RT, 057 INBOUND.

RWY 18, 22: CLIMBING RIGHT TURN TO 2500 DIRECT PXV VORTAC AND HOLD SW, RT, 057 INBOUND.

NOTES (CONT.):

CHART NOTE: WHEN CONTROL TOWER CLOSED, PROCEDURE NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CITY AND STATE

EVANSVILLE, IN

ELEVATION:

418 TDZE:

AIRPORT NAME:

EVANSVILLE RGNL

FACILITY
IDENTIFIER:

EVV ASR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

07 MAY 2009

RADAR-1, AMDT 6

SUP:

AMDT:

5B

DATED:

03/25/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 3.57 MILES AFTER DARRY/9.00 DME/RADAR OR AT PXV 12.57 DME FIX CLIMBING LEFT TURN TO 2500 DIRECT PXV VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 649 TOWER 380154N/0873410W CHART 1020 TOWER 375918N/0873550W CHART VDP AT 11.11 DME; DISTANCE VDP TO THLD 1.46 MILES. DARRY TO RW04: 3.34/52. FAC CROSSES RWY C/L EXTENDED 567 FROM THLD. CHART ASR.											
PXV VORTAC (IF/IAF)	DARRY/9.00 DME/RADAR	057.00 / 9.00	1700												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW PXV VORTAC, RT, 057.00 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC 057.00 FAF DARRY/9.00 DME/RADAR DIST FAF TO MAP 3.57 THLD 3.57 4. MIN. ALT PXV VORTAC 2500, DARRY 1700 8. MSA FROM: PXV VORTAC 2500					MAG VAR: 3E EPOCH YEAR: 1965										
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		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	900	1	515	900	1	515	900	1 1/2	515	900	1 3/4	515			
CIRCLING	940	1	522	960	1	542	960	1 1/2	542	980	2	562			
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON PXV VORTAC AIRWAY RADIALS 141 CW 308. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.															
CITY AND STATE		ELEVATION: 418 TDZE: 385		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS RWY					
EVANSVILLE, IN		AIRPORT NAME:		PXV		VOR RWY 4, AMDT 6				4					
		EVANSVILLE RGNL				07 MAY 2009				AMDT 5C					
										DATE 03/25/2002					

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 7, 25 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7, TREE 53 FEET FROM DER, 498 FEET RIGHT OF CENTERLINE, 50 FEET AGL/929 FEET MSL.

NOTE: RWY 25, TREE 126 FEET FROM DER, 158 FEET RIGHT OF CENTERLINE, 34 FEET AGL/914 FEET MSL, TREE 525 FEET FROM DER, 152 FEET RIGHT OF CENTERLINE, 41 FEET AGL/921 FEET MSL, TREE 505 FEET FROM DER, 127 FEET RIGHT OF CENTERLINE, 38 FEET AGL/918 FEET MSL, TREE 587 FEET FROM DER, 201 FEET RIGHT OF CENTERLINE, 40 FEET AGL/920 FEET MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

FLEMINGSBURG, KY.

(6) Airport

FLEMING-MASON

(7) Effective Date

07 MAY 2009

(8) Amtd. No.

ORIG

QUALITY
2
P

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CUSDU (IAF)	ICIKO (NOPT) (FB)	292.86 / 5.00	4600	LPV: DA LNAV: RW02 CLIMB TO 4000 DIRECT LIKCI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 202.90 INBOUND. CHART FAS OBST: 2119 TREE 364249N/0841315W DISTANCE TO THLD FROM 250 HAT: 0.71 NM. CHART VDP AT 3.53 MILES TO RW02* *LNAV ONLY. WAAS CHANNEL # 53312 REFERENCE PATH ID: W02A
JIBGI (IAF)	ICIKO (NOPT) (FB)	112.74 / 5.00	4600	
ICIKO (IF/IAF)	HOBEB (FB)	022.80 / 2.85	4100	
HOBEB	GUCGE (FB)	022.81 / 3.29	3700	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW ICIKO, RT, 022.80 INBOUND, 4600 FT. IN LIEU OF PT (IAF)
- FAC: 022.82 FAF: GUCGE DIST FAF TO MAP: 7.71 THLD: 7.71
- MIN. ALT: ICIKO 4600, HOBEB 4100, GUCGE 3700, KICEK/5.00 NM TO RW02 2800*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3700 GS ALT AT: GUCGE 3700 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 35.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 5W

EPOCH YEAR: 2005

MINIMUMS

TAKEOFF:		STANDARD	X	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
LPV DA	1418	1	250	1418	1	250	1418	1	250	1418	1	250			
LNAV MDA	2380	1 1/4	1212	2380	1 1/2	1212	2380	3	1212	2380	3	1212			
CIRCLING	2380	1 1/4	1202	2380	1 1/2	1202	2380	3	1202	2380	3	1202			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 *LNAV ONLY
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LONDON-CORBIN ARPT-MAGEE FLD ALTIMETER
 SEE 8260-10

@ CAT A, B 1300-2, CAT C, D 1300-3
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1178 TDZE: 1168	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 07 MAY 2009	SUP:
WILLIAMSBURG, KY	AIRPORT NAME: WILLIAMSBURG-WHITLEY COUNTY			AMDT: ORIG
				DATED 05/10/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

SETTING AND INCREASE DA 48 FEET AND MDA 60 FEET.

CHART NOTE: CIRCLING TO RWY 20 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	293/30 CW 113/30 (NOPT)	293/10 CW 113/10	5700
2.	293/10 CW 113/10	ICIKO (IF/IAF)	4600
3.	113/30 CW 203/30	JIBGI (IAF) (FB)	4600
4.	203/30 CW 293/30	CUSDU (IAF) (FB)	5000

CITY AND STATE

WILLIAMSBURG, KY

ELEVATION: 1178 TDZE: 1168

AIRPORT NAME:

WILLIAMSBURG-WHITLEY COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 W38
RUNWAY RW02
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W02A
REFERENCE PATH IDENTIFIER (APPROACH ID) 364716.1225N
LTP/FTP LATITUDE 0841208.6230W
LTP/FTP LONGITUDE +03225
LTP/FTP ELLIPSOIDAL HEIGHT 364841.0400N
FPAP LATITUDE 0841134.6100W
FPAP LONGITUDE 00035.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1072
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

2EBE6647

CRC REMAINDER

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +03522
FPAP ORTHOMETRIC HEIGHT +03522

CITY AND STATE

WILLIAMSBURG, KY

ELEVATION: 1178 TDZE: 1168

AIRPORT NAME:

WILLIAMSBURG-WHITLEY COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 05/18/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 W38 K5FR02	ACUSDU	010CUSDUK7EA0E	A	IF					18000			A JS	
SUSAP W38 K5FR02	ACUSDU	020ICIKOK7EA0EE		010TF		29290050		+ 04600				A JS	
SUSAP W38 K5FR02	AICIKO	010ICIKOK7EA0EE	CR	HF		02280050		+ 04600	18000			A JS	
SUSAP W38 K5FR02	AJIBGI	010JIBGIK5EA0E	A	IF					18000			A JS	
SUSAP W38 K5FR02	AJIBGI	020ICIKOK7EA0EE		010TF		11270050		+ 04600				A JS	
SUSAP W38 K5FR02	R	010ICIKOK7EA0E	I	IF				+ 04600	18000			A JS	
SUSAP W38 K5FR02	R	011HOEBBK5EA0E	S	051TF		02280029		+ 04100				A JS	
SUSAP W38 K5FR02	R	020GUCGEK5EA1E	F	051TF		02280033		+ 03700				A JS	
SUSAP W38 K5FR02	R	020GUCGEK5EA2WALPV			N	ALNAV						JS	
SUSAP W38 K5FR02	R	021KICEKK5EA0E	S	031TF		02280027		V 0280002805		-300		A JS	
SUSAP W38 K5FR02	R	030RW02 K5PG0GY	M	031TF		02280050		01191		-300		A JS	
SUSAP W38 K5FR02	R	040LIKCIK5EA0EYM		010DF				+ 04000				A JS	
SUSAP W38 K5FR02	R	050LIKCIK5EA0EE		HR020HM		20290050		+ 04000				A JS	

[illegible]

CITY AND STATE WILLIAMSBURG, KY	ELEVATION: 1178 TDZE: 1168 AIRPORT NAME: WILLIAMSBURG-WHITLEY COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG
				DATED: 05/18/2007

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CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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PP 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP W38 K5PR02 RW02 001 0000W02A0N3647161225W08412086230+032250300N3648410400W08411346100106751072000350F4005002EBE6647
SUSAP W38 K5PR02 RW02 002E +03S22+03522LPV S3312 000

CITY AND STATE

WILLIAMSBURG, KY

ELEVATION: 1178 TDZE: 1168

AIRPORT NAME:

WILLIAMSBURG-WHITLEY COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 05/10/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUSDU	CUSDU	010	IAF	IF		FB				
	CUSDU	ICIKO	020		TF		FB	1.0	292.9 (288T)	005.0	04600
	ICIKO	ICIKO	010		HF	R	FB		022.8 (018T)	005.0	04600
	JIBGI	JIBGI	010	IAF	IF		FB				
	JIBGI	ICIKO	020		TF		FB	1.0	112.7 (108T)	005.0	04600
		ICIKO	010	FACF	IF		FB				04600
		HOBEB	011	SDF	TF		FB	0.5	022.8 (018T)	002.9	04100
		GUCGE	020	FAF	TF		FB	0.5	022.8 (018T)	003.3	03700
		KICEK	021	SDF	TF		FB	0.3	022.8 (018T)	002.7	0280002805
		RW02	030	MAP	TF		FO	0.3	022.8 (018T)	005.0	01191

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LIKCI	040		DF		FO	1.0			04000
	LIKCI	050		HM	R	FO	2.0	202.9 (198T)	005.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUSDU	N363231.97	W0841130.36	N3632.533	W08411.506
	GUCGE	N363954.95	W0841504.95	N3639.916	W08415.083
	HOBEB	N363646.98	W0841619.91	N3636.783	W08416.332
	ICIKO	N363403.95	W0841724.83	N3634.066	W08417.414
	JIBGI	N363535.64	W0842319.54	N3635.594	W08423.326
	KICEK	N364230.17	W0841402.98	N3642.503	W08414.050
	LIKCI	N365928.30	W0840714.71	N3659.472	W08407.245
	RW02	N364716.12	W0841208.62	N3647.269	W08412.144

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW02	01156 35

CITY AND STATE
WILLIAMSBURG, KY

ELEVATION: 1178 TDZE: 1168
 AIRPORT NAME:
WILLIAMSBURG-WHITLEY COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2, AMDT 1
07 MAY 2009

SUP:
 AMDT: ORIG
 DATED: 05/10/2007

CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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. Cellings are 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: LOZ 14.45 DME FIX							
LOZ VORTAC (IF/IAF)		SHADD/LOZ 8.45 DME			199.77 / 8.45			3100		CLIMBING LEFT TURN TO 4000 DIRECT LOZ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1579 TREE 365040N/0841205W CHART 1849 TOWER 365350N/0840753W. CHART 1666 TOWER 365041N/0840928W. HOLLO TO RW20: 2.98/30							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N LOZ VORTAC, RT, 199.77 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC 199.77 FAF SHADD/LOZ 8.45 DME _____ DIST FAF TO MAP _____ THLD 6.00 4. MIN. ALT LOZ VORTAC 3300, SHADD 3100, HOLLO/LOZ 11.95 DME 2000 8. MSA FROM: LOZ VORTAC 090-200 4400, 200-090 3400														MAG VAR: 3W		EPOCH YEAR: 1990	
MINIMUMS																	
TAKEOFF:		STANDARD		X		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-20		1840	1	662	1840	1	662	1840	1 3/4	662	1840	2	662				
CIRCLING		1840	1	662	1840	1	662	1840	1 3/4	662	2060	3	882				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: STRAIGHT-IN/CIRCLING RWY 20 NA AT NIGHT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LONDON-CORBIN ARPT-MAGEE FLD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE S-20 CATS CAT C AND D AND CIRCLING CAT C SEE 8260-10																	
CITY AND STATE WILLIAMSBURG, KY		ELEVATION: 1178 TDZE: 1178 AIRPORT NAME: WILLIAMSBURG-WHITLEY COUNTY			FACILITY IDENTIFIER: LOZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 20, ORIG 07 MAY 2009						SUP				
													AMDT NONE				
													DATE				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR 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.

NOTES CONT.

VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON LOZ VORTAC AIRWAY RADIALS 316 CW 113.

CITY AND STATE

WILLIAMSBURG, KY

ELEVATION: 1178 TDZE: 1178

AIRPORT NAME:

WILLIAMSBURG-WHITLEY COUNTY

FACILITY
IDENTIFIER:
LOZ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 20, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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CHECKED

QUALITY
4
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW29 CLIMB TO 2000 DIRECT COMON AND VIA 296.86 TRACK TO SOSYO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 293.00 INBOUND. CHART FAS OBST: 447 TREE 422715N/0711427W CHART FAS OBST: 474 TREE 422709N/0711314W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.77 MILES TO RW29* *LNAV ONLY. WAAS CHANNEL # 86612 REFERENCE PATH ID: W29A					
AREAA (IAF)		MORIS (FB)		203.32 / 5.00				1800							
MORIS (IF)		JAYSE (FB)		293.31 / 6.10				1800							
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT MORIS 3. FAC: <u>293.22</u> FAF: <u>JAYSE</u> DIST FAF TO MAP: <u>5.02</u> THLD: <u>5.02</u> 4. MIN. ALT: MORIS 1800, JAYSE 1800, ROGGR/2.50 NM TO RW29 980* 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> </u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>JAYSE</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.0</u> 34:1 IS CLEAR 8. MSA FROM: RW29 3300										MAG VAR: 16W		EPOCH YEAR: 1995			
MINIMUMS															
TAKEOFF:	STANDARD	X	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	328	1/2	200	328	1/2	200	328	1/2	200	328	1/2	200			
LNAV/VNAV DA	793	1 3/4	665	793	1 3/4	665	793	1 3/4	665	793	1 3/4	665			
LNAV MDA	740	1/2	612	740	1/2	612	740	1 1/4	612	740	1 1/2	612			
CIRCLING	740	1	607	740	1	607	780	1 3/4	647	800	2	667			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING BOSTON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED SEE 8260-10															
CITY AND STATE		ELEVATION: 133 TDZE: 128		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
BEDFORD, MA				LAURENCE G HANSCOM FLD		RNAV		RNAV (GPS) RWY 29, ORIG 07 MAY 2009				AMDT: NONE			
												DATED			



**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.***LNAV ONLY****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BOSTON ALTIMETER SETTING AND INCREASE****ALL DA 48 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS, LNAV CAT C AND D AND CIRCLING****CAT C AND D VISIBILITIES 1/4 MILE.****CHART NOTE: VDP NA WHEN USING BOSTON ALTIMETER SETTING.**

CITY AND STATE

BEDFORD, MA

ELEVATION: 133 TDZE: 128

AIRPORT NAME:

LAURENCE G HANSCOM FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KBED
RUNWAY RW29
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W29A
REFERENCE PATH IDENTIFIER (APPROACH ID) 422809.9800N
LTP/FTP LATITUDE 0711628.5800W
LTP/FTP LONGITUDE +00097
LTP/FTP ELLIPSOIDAL HEIGHT 422818.5700N
FPAP LATITUDE 0711801.3200W
FPAP LONGITUDE 00054.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.50
COURSE WIDTH AT THRESHOLD 0000
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 35.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

3111FAB9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00377
FPAP ORTHOMETRIC HEIGHT +00377

CITY AND STATE

BEDFORD, MA

ELEVATION: 133 TDZE: 128

AIRPORT NAME:

LAURENCE G HANSCOM FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KBEDK6FR29	AAREAA	010AREAAK6EA0E	A	1F						18000		A JS	
SUSAP KBEDK6FR29	AAREAA	020MORISK6EA0EE		010TF			20330050	+	01800			A JS	
SUSAP KBEDK6FR29	R	010MORISK6EA0E	I	1F				+	01800	18000		A JS	
SUSAP KBEDK6FR29	R	020JAYSEK6EA1E	F	051TF			29330061	+	01800		RW29	K6PGA JS	
SUSAP KBEDK6FR29	R	020JAYSEK6EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KBEDK6FR29	R	021ROGGRK6EA0E	S	031TF			29320025	V	0098000980		-300	A JS	
SUSAP KBEDK6FR29	R	030RW29 K6PG0GY	M	031TF			29320025		00178		-300	A JS	
SUSAP KBEDK6FR29	R	040COMONK6EA0E	M	010DF								A JS	
SUSAP KBEDK6FR29	R	050SOSYOK6EA0EY		010TF			2969	+	02000			A JS	
SUSAP KBEDK6FR29	R	060SOSYOK6EA0EE		HR020HM			29300040	+	02000			A JS	

[illegible][illegible]

CITY AND STATE BEDFORD, MA	ELEVATION: 133 TDZE: 128 AIRPORT NAME: LAURENCE G HANSCOM FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
A
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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AREAA	AREAA	010	IAF	IF		FB				
	AREAA	MORIS	020		TF		FB	1.0	203.3 (187T)	005.0	01800
		MORIS	010	FACF	IF		FB				01800
		JAYSE	020	FAF	TF		FB	0.5	293.3 (277T)	006.1	01800
		ROGGR	021	SDF	TF		FB	0.3	293.2 (277T)	002.5	0098000980
		RW29	030	MAP	TF		FO	0.3	293.2 (277T)	002.5	00178

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COMON	040		DF		FB	1.0			
	SOSYO	050		TF		FO	1.0	296.9 (281T)		02000
	SOSYO	060		HM	R	FO	2.0	293.0 (277T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AREAA	N423143.71	W0710042.76	N4231.729	W07100.713
	COMON	N422839.70	W0712150.39	N4228.662	W07121.840
	JAYSE	N422732.30	W0710944.50	N4227.538	W07109.742
	MORIS	N422646.05	W0710134.39	N4226.768	W07101.573
	ROGGR	N422751.28	W0711307.49	N4227.855	W07113.125
	SOSYO	N422914.45	W0712555.75	N4229.241	W07125.929
	RW29	N422809.98	W0711628.58	N4228.166	W07116.476

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW29	00124		54

CITY AND STATE
BEDFORD, MA

ELEVATION: 133 TDZE: 128
 AIRPORT NAME:
LAURENCE G HANSCOM FLD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, ORIG
07 MAY 2009

SUP:
 AMDT: **NONE**
 DATED:

QUALITY
 4
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 3.40 MILES AFTER SAVEW OR AT KAKSE/1.40 DME FIX						
MVY VOR/DME (IAF) DORME/12.00 DME (IF)		DORME/FMH 12.00 DME WODIS/6.00 DME		344.78 / 8.94 063.00 / 6.00 (FMH R-243)				3500 1800		CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 VIA FMH TACAN R-045 TO CISCO/12.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 225.00 INBOUND. CHART ARRIVAL HOLDING AT DORME: HOLD SW, LT, 063.00 INBOUND, 3,500. CHART FAS OBST: 275 TWR 413929N/0703227W CHART: 580 WIND TURBINE 413631N/0703632W. CHART: 332 TOWER 413611N/0703659W. CHART R-4101. CHART VDP AT 2.32 DME; DISTANCE VDP TO THLD 1.46 MILES. WODIS TO RW05: 3.02/43 FAC CROSSES RWY C/L EXTENDED 2665 FROM THLD.						
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT DORME/12.00 DME 3. FAC <u>063.00</u> FAF <u>WODIS/6.00 DME</u> DIST FAF TO MAP <u>4.60</u> THLD <u>5.13</u> 4. MIN. ALT <u>DORME 3500, WODIS 1800, SAVEW/4.80 DME 1400</u> 8. MSA FROM: <u>FMH TACAN 090-270 1800, 270-090 2200</u>																MAG VAR: 15W
MINIMUMS																
TAKEOFF: ☒ STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA		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-5	540	1	423	540	1	423	540	1 1/4	423	540	1 1/4	423				
CIRCLING	580	1	450	580	1	450	580	1 1/2	450	680	2	550				
NOTES: CHART NOTE: CIRCLING NA NE OF RWY 14 AND NW OF RWY 23. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MVY VOR/DME VIA V146 SOUTHEAST BOUND. CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT. CHART PLANVIEW NOTE: COURSE REVERSAL AT DORME REQUIRES ATC APPROVAL.																
CITY AND STATE FALMOUTH, MA				ELEVATION: 130 TDZE: 117 AIRPORT NAME: CAPE COD COAST GUARD AIR STATION				FACILITY IDENTIFIER: FMH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: TACAN RWY 5, AMDT 1 07 MAY 2009				SUP AMDT ORIG DATE 11/20/2008		

QUALITY
1
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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. 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.										
TERMINAL ROUTES										MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: 4.00 MILES AFTER LIGTE/6.00 DME OR AT HOKAM/2.00 DME FIX CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 VIA FMH TACAN R-045 TO CISCO/12.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 225.00 INBOUND. CHART FAS OBST: 273 TK 413954N/0703247W CHART 460 WIND TURBINE 414208N/0703602W. CHART 322 TOWER 414149N/0703514W. CHART R-4101. CHART VDP AT 2.57 DME; DISTANCE VDP TO THLD 1.40 MILES. CHART FMH R-045 AT CISCO. LIGTE TO RW14: 2.98/45. FAC CROSSES RWY C/L EXTENDED 2977 FROM THLD.									
LFV VOR/DME			CISCO/FMH 12.00 DME			250.33 / 18.97			3500											
CISCO/12.00 DME CCW (IAF)			TAVOE/12.00 DME			12.00 DME ARC			3500											
PVD VORTAC (IAF)			TAVOE/12.00 DME			100.25 / 30.66			3500											
TAVOE/12.00 DME (IF)			LIGTE/6.00 DME			134.00 / 6.00 (FMH R-314)			1700											
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT TAVOE 3. FAC <u>134.00</u> FAF <u>LIGTE/6.00 DME</u> DIST FAF TO MAP <u>4.00</u> THLD <u>4.82</u> 4. MIN. ALT <u>TAVOE 3500, LIGTE 1700, RECKU/3.70 DME 960</u> 8. MSA FROM: <u>FMH TACAN 090-270 1800, 270-090 2200</u>										MAG VAR: 15W EPOCH YEAR: 1980										
MINIMUMS																				
TAKEOFF: ☒ STANDARD					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-14		540	1	410	540	1	410	540	1 1/4	410	540	1 1/4	410							
CIRCLING		580	1	450	580	1	450	580	1 1/2	450	680	2	550							
NOTES: CHART NOTE: CIRCLING NA NE OF RWY 14 AND NW OF RWY 23. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LFV VOR/DME VIA V167 NORTHEAST BOUND. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PVD VORTAC AIRWAY RADIALS 093 CW 132.																				
CITY AND STATE FALMOUTH, MA				ELEVATION: 130 TDZE: 130 AIRPORT NAME: CAPE COD COAST GUARD AIR STATION				FACILITY IDENTIFIER: FMH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: TACAN RWY 14, AMDT 1 07 MAY 2009						SUP AMDT ORIG DATE 11/20/2008				

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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:		STANDARD		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 <u>07 MAY 2009</u>																			
CITY AND STATE NANTUCKET, MA				ELEVATION: 48 TDZE: 44 AIRPORT NAME: NANTUCKET MEMORIAL				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 33, ORIG-C, 09/04/2003				SUP AMDT ORIG-B DATE 8/27/1999					

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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	
ACK VOR/DME	UFTAC INT/I-RNE 10.94 DME/RADAR	239.98 / 13.97	2300	ILS: DA LOC: 5.01 MILES AFTER CRAYG INT/4.83 DME/RADAR OR AT 0.18 DME FIX
MVY VOR/DME (IAF)	UFTAC INT/I-RNE 10.94 DME/RADAR (NOPT)	150.02 / 23.63 (ACK LR-249)	2300	CLIMB TO 1800 DIRECT ACK VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 1800; OR WHEN DIRECTED BY ATC, CLIMB TO 1800 DIRECT WAIVS LOM AND HOLD NE, RT, 241.02 INBOUND (ADF REQUIRED).
UFTAC INT/10.94 DME/RADAR (IF/IAF)	CRAYG INT/4.83 DME/RADAR	061.02 / 6.10 (I-RNE)	1700	
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 241.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE AC LOM, RT, 241.02 INBOUND. CHART FAS OBST: 125 BOAT 411322N/0700620W CHART IN PROFILE: I-RNE DME ANTENNA. CHART VDP AT 0.77 DME; DISTANCE VDP TO THLD 0.94 MILES. CHART IN PLANVIEW: AC LOM.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW UFTAC, RT, 061.02 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
- FAC: 061.02 FAF: CRAYG INT/4.83 DME/RADAR DIST FAF TO MAP: 5.01 THLD: 5.01
- MIN. ALT: UFTAC 2300, CRAYG 1700
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 944
- MIN GS INCPT: 1700 GS ALT AT: CRAYG INT/4.83 DME/RADAR 1700 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 54.8
- MSA FROM: ACK VOR/DME 1700

MAG VAR: 16W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	STANDARD	X	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 6	239	4000	200	239	4000	200	239	4000	200	239	4000	200			
S-LOC 6	380	4000	341	380	4000	341	380	4000	341	380	5000	341			
CIRCLING	440	1	392	500	1	452	500	1 1/2	452	600	2	552			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET; INCREASE S-ILS 6 ALL CATS VISIBILITY TO RVR 5000 AND S-LOC CATS C AND D VISIBILITY TO RVR 6000.
CHART NOTE: VDP NA WHEN USING HYANNIS ALTIMETER SETTING.
SEE 8260-10

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
7
CHECKED

CITY AND STATE NANTUCKET, MA	ELEVATION: 48 TDZE: 39 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: I-RNE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 1 07 MAY 2009	SUP: AMDT: ORIG-A DATED 06/05/2008

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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 TO S-LOC 6 CAT C WHEN USING HYANNIS ALTIMETER SETTING.

QUALITY
7
CHECKED

CITY AND STATE NANTUCKET, MA	ELEVATION: 48 TDZE: 39 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: I-RNE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG-A
				DATED: 06/05/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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	
ACK VOR/DME	WAIVS LOM/I-ACK 5.55 DME	060.67 / 2.52	1800	ILS: DA LOC: 4.43 MILES AFTER WAIVS LOM/I-ACK 5.55 DME OR AT I-ACK 1.12 DME FIX CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2500 VIA HEADING 310 AND ACK VOR/DME R-270 TO CLAMY INT AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 700 THEN CLIMBING LEFT TURN TO 1800 DIRECT WAIVS LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 1800, HOLD NE, RT, 241.02 INBOUND (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD W, LT, 090.00 INBOUND. CHART FAS OBST: 169 TREE 411653N/0700130W CHART VDP AT 2.14 DME; DISTANCE VDP TO THLD 1.02 MILES.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE WAIVS LOM, RT, 241.02 INBOUND, 1800 FT. IN LIEU OF PT (IAF)
- FAC: 241.02 FAF: WAIVS LOM/I-ACK 5.55 DME DIST FAF TO MAP: 4.43 THLD: 4.43
- MIN. ALT: WAIVS LOM/I-ACK 5.55 DME 1600
- DIST TO THLD FROM OM: 4.43 MM: 0.49 IM: - 150 HAT: - 100 HAT: - GS ANT: 924
- MIN GS INCPT: 1600 GS ALT AT: GS INTCP OM: 1525 MM: 250 IM: -
- GS ANGLE: 3.00 TCH: 46.9
- MSA FROM: AC LOM 1700

MAG VAR: 16W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	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	248	1800	200	248	1800	200	248	1800	200	248	1800	200				
S-LOC 24	420	2400	372	420	2400	372	420	2400	372	420	4000	372				
CIRCLING	440	1	392	500	1	452	500	1 1/2	452	600	2	552				

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE ALL DA TO 63 FEET AND ALL MDA 80 FEET; INCREASE S-LOC 24 CAT C VISIBILITY TO RVR 4000 AND CAT D VISIBILITY TO RVR 5000.

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: VDP NA WHEN USING HYANNIS ALTIMETER SETTING.

SEE 8260-10

CITY AND STATE NANTUCKET, MA	ELEVATION: 48 TDZE: 48 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: I-ACK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 15D 07 MAY 2009	SUP: ILS RWY 24 AMDT: 15C DATED 06/08/2006

2
06/08/2006

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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: FOR INOPERATIVE SSALR WHEN USING HYANNIS ALTIMETER SETTING, INCREASE S-ILS 24
VISIBILITY TO RVR 5000.**

CHART NOTE: ADF OR DME REQUIRED.

CITY AND STATE

NANTUCKET, MA

ELEVATION: 48 TDZE: 48

AIRPORT NAME:

NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:

I-ACK

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 24, AMDT 15D

07 MAY 2009

SUP: ILS RWY 24

AMDT: 15C

DATED: 06/08/2006

QUALITY
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES								MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW06 CLIMB TO 1800 DIRECT WAIVS LOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 241.02 INBOUND. CHART FAS OBST: 125 BOAT 411322N/0700620W DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 0.94 MILES TO RW06* *LNAV ONLY. WAAS CHANNEL # 81912 REFERENCE PATH ID: W06A									
ACK VOR/DME		UFTAC (FO)		240.98 / 13.97		2300											
MVY VOR/DME		AFHAS (FB)		151.11 / 18.63		2300											
AFHAS (IAF)		UFTAC (NOPT) (FB)		150.86 / 5.00		2300											
BOMLY (IAF)		UFTAC (NOPT) (FB)		330.96 / 5.00		2300											
UFTAC (IF/IAF)		CRAYG (FB)		060.91 / 6.10		1700											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW UFTAC, RT, 060.91 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: 060.97 FAF: CRAYG _____ DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: UFTAC 2300, CRAYG 1700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: CRAYG 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.8 34:1 IS CLEAR 8. MSA FROM: RW06 1700								MAG VAR: 16W EPOCH YEAR: 1995									
MINIMUMS																	
TAKEOFF:		STANDARD		X		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		239	4000	200	239	4000	200	239	4000	200	239	4000	200				
LNAV/VNAV DA		352	4000	313	352	4000	313	352	4000	313	352	5000	313				
LNAV MDA		380	4000	341	380	4000	341	380	4000	341	380	5000	341				
CIRCLING		440	1	392	500	1	452	500	1 1/2	452	600	2	552				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ACK VOR/DME ON AIRWAY RADIALS 270 CW 280. CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT BOMLY. SEE 8260-10																	
CITY AND STATE				ELEVATION: 48 TDZE: 39				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
NANTUCKET, MA				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 6, ORIG				AMDT: NONE	
				NANTUCKET MEMORIAL								07 MAY 2009				DATED	

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY TO RVR 5000, LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILITY TO RVR 6000.

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

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS, AND LNAV CAT C WHEN USING HYANNIS ALTIMETER SETTING.

QUALITY
7 1 1
AFD

CITY AND STATE

NANTUCKET, MA

ELEVATION: 48 TDZE: 39

AIRPORT NAME:

NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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 KACK
RUNWAY RW06
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W06A
LTP/FTP LATITUDE 411452.8600N
LTP/FTP LONGITUDE 0700415.9900W
LTP/FTP ELLIPSOIDAL HEIGHT -00202
FPAP LATITUDE 411534.1600N
FPAP LONGITUDE 0700321.2100W
THRESHOLD CROSSING HEIGHT (TCH) 00054.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0048
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

7A8C31E5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00089
FPAP ORTHOMETRIC HEIGHT +00089

QUALITY
1
CHECKED

CITY AND STATE

NANTUCKET, MA

ELEVATION: 48

TDZE: 39

AIRPORT NAME:

NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

CITY AND STATE NANTUCKET, MA	ELEVATION: 48 TDZE: 39 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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

SUSAP KACKK6GRW06 0057520610 N41145286W070041599+0400 -0020200029055155150I G

SUSAP KACKK6PR06	RW06 001 0000W06A0N4114528600W07004159900-002020300N4115341600W07003212100106750048000548F4003507A8C31E5G
SUSAP KACKK6PR06	RW06 002E +00089+00089LEV 81912 000 G

SUSAP KACKK6SRW06 K6PG 0 18018001725 M G

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ACK	ACK	010		IF		FB				
	ACK	UFTAC	020		TF		FO	2.0	241.0 (225T)	014.0	02300
	ACK	UFTAC	030		HF	R	FO		060.9 (045T)	004.0	02300
	BOMLY	BOMLY	010	IAF	IF		FB				
	BOMLY	UFTAC	020		TF		FB	1.0	331.0 (315T)	005.0	02300
	MVY	MVY	010		IF		FB				
	MVY	AFHAS	020	IAF	TF		FB	2.0	151.1 (135T)	018.6	02300
	MVY	UFTAC	030		TF		FB	1.0	150.9 (135T)	005.0	02300
		UFTAC	010	FACF	IF		FB				02300
		CRAYG	020	FAF	TF		FB	0.5	060.9 (045T)	006.1	01700
		RW06	030	MAP	TF		FO	0.3	061.0 (045T)	005.0	00084

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WAIVS	040		DF		FO	1.0			01800
	WAIVS	050		HM	R	FO	2.0	241.0 (225T)	004.0	01800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACK	N411654.70	W0700136.10	N4116.912	W07001.602
	MVY	N412346.36	W0703645.80	N4123.773	W07036.763
	AFHAS	N411032.75	W0701921.21	N4110.546	W07019.354
	BOMLY	N410328.91	W0700958.99	N4103.482	W07009.983
	CRAYG	N411120.37	W0700857.36	N4111.340	W07008.956
	UFTAC	N410700.93	W0701439.85	N4107.016	W07014.664
	WAIVS	N411841.12	W0695912.99	N4118.685	W06959.217
	RW06	N411452.86	W0700415.99	N4114.881	W07004.267

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
	RW06	00029 55

CITY AND STATE
NANTUCKET, MA

ELEVATION: 48 TDZE: 39
 AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 6, ORIG
07 MAY 2009

SUP:
 AMDT: **NONE**
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
ACK VOR/DME	OBUBE (FO)	061.13 / 9.47	2000	LPV: DA LNAV/VNAV: DA LNAV: RW24 CLIMB TO 2500 DIRECT CRAYG AND VIA 283.92 TRACK TO CLAMY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 090.00 INBOUND. CHART FAS OBST: 139 TREE 411609N/0700254W CHART FAS OBST: 169 TREE 411653N/0700130W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.02 MILES TO RW24* *LNAV ONLY. WAAS CHANNEL # 93612 REFERENCE PATH ID: W24A											
LFV VOR/DME	ZEDUP (FB)	189.84 / 34.07	2000												
ZEDUP (IAF)	OBUBE (NOPT) (FB)	151.09 / 5.00	2000												
CUPNU (IAF)	OBUBE (NOPT) (FB)	331.19 / 5.00	2000												
OBUBE (IF/IAF)	RULOY (FB)	241.14 / 6.10	1800												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE OBUBE, RT, 241.14 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 241.07 FAF: RULOY DIST FAF TO MAP: 5.28 THLD: 5.28 4. MIN. ALT: OBUBE 2000, RULOY 1800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: RULOY OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 46.9 34:1 IS CLEAR 8. MSA FROM: RW24 1700				MAG VAR: 16W EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X 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	248	2400	200	248	2400	200	248	2400	200	248	2400	200			
LNAV/VNAV DA	435	4000	387	435	4000	387	435	4000	387	435	4000	387			
LNAV MDA	420	2400	372	420	2400	372	420	2400	372	420	5000	372			
CIRCLING	440	1	392	500	1	452	500	1 1/2	452	600	2	552			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LFV VOR/DME VIA V167 NORTHEAST BOUND. CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT CUPNU. SEE 8260-10															
CITY AND STATE		ELEVATION: 48 TDZE: 48		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
NANTUCKET, MA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 24, ORIG				AMDT: NONE					
		NANTUCKET MEMORIAL				07 MAY 2009				DATED					

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

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

CHART NOTE: FOR INOPERATIVE SSALR, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.

CHART NOTE: FOR INOPERATIVE SSALR WHEN USING HYANNIS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000.

CITY AND STATE

NANTUCKET, MA

ELEVATION: 48 TDZE: 48
AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 24, ORIG
07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KACK
RUNWAY RW24
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W24A
LTP/FTP LATITUDE 411533.0300N
LTP/FTP LONGITUDE 0700322.7200W
LTP/FTP ELLIPSOIDAL HEIGHT -00144
FPAP LATITUDE 411449.0100N
FPAP LONGITUDE 0700421.0900W
THRESHOLD CROSSING HEIGHT (TCH) 00046.9
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

21287E3A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00146
FPAP ORTHOMETRIC HEIGHT +00146

CITY AND STATE
NANTUCKET, MA

ELEVATION: 48 TDZE: 48
AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 24, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

QUALITY
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.

[illegible]

CITY AND STATE NANTUCKET, MA	ELEVATION: 48 TDZE: 48 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
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.

SUSAP KACKK6GRW24 0063032410 N41153303W070032272-0400 -0014400048000047150I

SUSAP KACKK6PR24	RW24	001	0000W24A0N4115330300W07003227200-001440300N4114490100W07004210900106750000000469F40035021287E3A
SUSAP KACKK6PR24	RW24	002E	+00146+00146LPV 93612 000

SUSAP KACKK6SRW24 K6PG	0	18018001725	M

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
ACK	ACK	ACK	010		IF		FB				
ACK	OBUBE	OBUBE	020		TF		FO	2.0	061.1 (045T)	009.5	02000
ACK	OBUBE	OBUBE	030		HF	R	FO		241.1 (225T)	004.0	02000
CUPNU	CUPNU	CUPNU	010	IAF	IF		FB				
CUPNU	OBUBE	OBUBE	020		TF		FB	1.0	331.2 (315T)	005.0	02000
LFV	LFV	LFV	010		IF		FB				
LFV	ZEDUP	ZEDUP	020	IAF	TF		FB	2.0	189.8 (174T)	034.1	02000
LFV	OBUBE	OBUBE	030		TF		FB	1.0	151.1 (135T)	005.0	02000
	OBUBE	OBUBE	010	FACF	IF		FB				02000
	RULOY	RULOY	020	FAF	TF		FB	0.5	241.1 (225T)	006.1	01800
	RW24	RW24	030	MAP	TF		FO	0.3	241.1 (225T)	005.3	00095

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CRAYG	040		DF		FB	1.0			
	CLAMY	050		TF		FO	1.0	283.9 (268T)		02500
	CLAMY	060		HM	L	FO	2.0	090.0 (074T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACK	N411654.70	W0700136.10	N4116.912	W07001.602
	LFV	N420101.82	W0700214.18	N4201.030	W07002.236
	CLAMY	N411040.00	W0703206.97	N4110.667	W07032.116
	CRAYG	N411120.37	W0700857.36	N4111.340	W07008.956
	CUPNU	N412002.58	W0694800.09	N4120.043	W06948.002
	OBUBE	N412335.44	W0695241.00	N4123.591	W06952.683
	RULOY	N411916.86	W0695825.47	N4119.281	W06958.425
	ZEDUP	N412708.11	W0695722.42	N4127.135	W06957.374
	RW24	N411533.03	W0700322.72	N4115.551	W07003.379

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
RW24	00048	47

CITY AND STATE
NANTUCKET, MA

ELEVATION: 48 TDZE: 48
 AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 24, ORIG
07 MAY 2009

SUP:
 AMDT: **NONE**
 DATED:

QUALITY
 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW33
CLAMY	FARGU (FB)	121.12 / 27.47	2500	CLIMB TO 2500 DIRECT CEROD AND LEFT TURN VIA 260.38 TRACK TO CLAMY AND HOLD.
ACK VOR/DME	DUPKE (FO)	160.99 / 12.16	2000	
LFV VOR/DME	EVPAW (FB)	183.72 / 51.71	2000	
FARGU (IAF)	DUPKE (NOPT) (FB)	061.09 / 5.00	2000	
EVPAW (IAF)	DUPKE (NOPT) (FB)	241.19 / 5.00	2000	
DUPKE (IF/IAF)	HIKSO (FB)	331.14 / 6.10	1800	ADDITIONAL FLIGHT DATA: HOLD W, LT, 090.00 INBOUND. CHART FAS OBST: 125 BOAT 411332N/0700104W CHART W-105A. CHART VDP AT 0.93 MILES TO RW33. HIKSO TO RW33: 3.05/43.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE DUPKE, RT, 331.14 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
- FAC: 331.07 FAF: HIKSO DIST FAF TO MAP: 5.30 THLD: 5.30
- MIN. ALT: DUPKE 2000, HIKSO 1800, GADRE/2.00 NM TO RW33 720
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW33 1700

MAG VAR: 16W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	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		380	1	336	380	1	336	380	1	336	380	1	336			
CIRCLING		440	1	392	500	1	452	500	1 1/2	452	600	2	552			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LFV VOR/DME VIA V167 NORTHEAST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE NANTUCKET, MA	ELEVATION: 48 TDZE: 44 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED

QUALITY
2
CHECKED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

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

CHART NOTE: VDP NA WHEN USING HYANNIS ALTIMETER SETTING.

CITY AND STATE

NANTUCKET, MA

ELEVATION: 48 TDZE: 44

AIRPORT NAME:

NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED: 02

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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][illegible][illegible]

CITY AND STATE NANTUCKET, MA	ELEVATION: 48 TDZE: 44 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

SUSAP KACKK6FR33 R 040CERODK6EA0E M 010DF
 SUSAP KACKK6FR33 R 050CLAMYK6EA0EY L010TFY
 SUSAP KACKK6FR33 R 060CLAMYK6EA0EE HL020HM

2604 + 02500
 09000040 + 02500

B JS
 B JS
 B JS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KACKK6GRW33	0039993310	N41150088W	070030193+0100	-0016400042000043100R									

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KACKK6SRW33 K6PG	0	18018001725	M										

CITY AND STATE
 NANTUCKET, MA

ELEVATION: 48 TDZE: 44
 AIRPORT NAME:
 NANTUCKET MEMORIAL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 33, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

QUALITY
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
ACK		ACK	010		IF		FB				
ACK		DUPKE	020	IAF	TF		FO	2.0	161.0 (145T)	012.2	02000
ACK		DUPKE	030		HF	R	FO		331.1 (315T)	004.0	02000
CLAMY		CLAMY	010		IF		FB				
CLAMY		FARGU	020	IAF	TF		FB	2.0	121.1 (105T)	027.5	02500
CLAMY		DUPKE	030		TF		FB	1.0	061.1 (045T)	005.0	02000
LFV		LFV	010		IF		FB				
LFV		EVPAA	020	IAF	TF		FB	2.0	183.7 (168T)	051.7	02000
LFV		DUPKE	030		TF		FB	1.0	241.2 (225T)	005.0	02000
		DUPKE	010	FACF	IF		FB				02000
		HIKSO	020	FAP	TF		FB	0.5	331.1 (315T)	006.1	01800
		GADRE	021	SDF	TF		FB	0.3	331.1 (315T)	003.3	0072000735
		RW33	030	MAP	TF		FO	0.3	331.1 (315T)	003.3	00085

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CEROD	040		DF		FB	1.0			
	CLAMY	050		TF	L	FO	1.0	260.4 (244T)		02500
	CLAMY	060		HM	L	FO	2.0	090.0 (074T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACK	N411654.70	W0700136.10	N4116.912	W07001.602
	LFV	N420101.82	W0700214.18	N4201.030	W07002.236
	CEROD	N411913.31	W0700836.75	N4119.222	W07008.613
	CLAMY	N411040.00	W0703206.97	N4110.667	W07032.116
	DUPKE	N410656.28	W0695222.25	N4106.938	W06952.371
	EVPAA	N411027.92	W0694740.65	N4110.465	W06947.678
	FARGU	N410324.45	W0695703.34	N4103.408	W06957.056
	GADRE	N411335.94	W0700109.52	N4113.599	W07001.159
	HIKSO	N411115.61	W0695804.08	N4111.260	W06958.068
	RW33	N411500.88	W0700301.93	N4115.015	W07003.032

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00042	43

CITY AND STATE NANTUCKET, MA	ELEVATION: 48 TDZE: 44 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
CHECKED
2

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 1.91 MILES AFTER ACK VOR/DME OR AT 1.91 DME FIX CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2500 VIA HEADING 310 AND ACK VOR/DME R-270 TO CLAMY INT/ACK 23.85 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 090.00 INBOUND. CHART FAS OBST: 159 TREE 411702N/0700321W CHART VDP AT 0.89 DME; DISTANCE VDP TO THLD 1.02 MILES. ACK VOR/DME TO RW24: 3.47/48.0. CHART MAXIMUM PROCEDURE TURN ENTRY ALTITUDE AT 6000.									
1. PT <u>L</u> SIDE OF COURSE <u>059.58</u> OUTBOUND <u>1800</u> FT WITHIN <u>10</u> MILES OF <u>ACK VOR/DME</u> (IAF) 2. _____ 3. FAC <u>239.58</u> FAF <u>ACK VOR/DME</u> DIST FAF TO MAP <u>1.91</u> THLD <u>1.91</u> 4. MIN. ALT <u>ACK VOR/DME 800</u> 8. MSA FROM: <u>ACK VOR/DME 1700</u>														MAG VAR: 15W		EPOCH YEAR: 1980			
MINIMUMS																			
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA		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		420	2400	372	420	2400	372	420	2400	372	420	5000	372						
CIRCLING		440	1	392	500	1	452	500	1 1/2	452	600	2	552						
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-24 CAT C VISIBILITY TO RVR 4000. CHART NOTE: VDP NA WHEN USING HYANNIS ALTIMETER SETTING. CHART NOTE: FOR INOPERATIVE SSALR, INCREASE S-24 CAT D VISIBILITY TO RVR 6000.																			
CITY AND STATE				ELEVATION: 48 TDZE: 48				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS RWY			
NANTUCKET, MA				AIRPORT NAME:				ACK				VOR RWY 24, AMDT 14				24			
				NANTUCKET MEMORIAL								07 MAY 2009				AMDT 13B			
																DATE 06/08/2006			

 QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS 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.

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: _____	STANDARD _____	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 07 MAY 2009

CITY AND STATE NORTHAMPTON, MA	ELEVATION: 122 TDZE: 122 AIRPORT NAME: NORTHAMPTON	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 14, ORIG 17 JUL 97	SUP AMDT NONE DATE

QUALITY
5
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES								MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW14 CLIMBING LEFT TURN TO 3000 DIRECT GRABB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD E, RT, 263.75 INBOUND. CHART FAS OBST: 689 TREE 422220N/0724021W CHART: 1556 TREE 422426N/0724558W CHART: 952 TREE 422323N/0724158W EXBEB TO RW14: 3.07/40				
WARIC		HHEPP (FB)		258.15 / 13.29		4000						
CTR VOR/DME		CAAHL (FB)		028.87 / 6.45		3700						
CAAHL (IAF)		SMUTZ (FB)		052.41 / 5.00		3500						
HHEPP (IAF)		SMUTZ (FB)		232.51 / 5.00		3500						
SMUTZ (IF)		EXBEB (FB)		142.46 / 5.10		2700						
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT SMUTZ 3. FAC: <u>142.52</u> FAF: <u>EXBEB</u> DIST FAF TO MAP: <u>7.80</u> THLD: <u>7.80</u> 4. MIN. ALT: <u>SMUTZ 3500, EXBEB 2700, CEKLU/4.90 NM TO RW14 1740*, ZALON/3.20 NM TO RW14 1180**</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> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW14 4100</u>								MAG VAR: <u>15W</u> EPOCH YEAR: <u>1990</u>				
MINIMUMS												
TAKEOFF: ☐ STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: ☐ NA ☒												
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
LNAV MDA	940	1	819	940	1 1/4	819		NA		NA		
CIRCLING	940	1	819	940	1 1/4	819		NA		NA		
WINDSOR LOCKS ALTIMETER SETTING MINIMUMS												
LNAV MDA	1020	1 1/4	899	1020	1 1/4	899		NA		NA		
CIRCLING	1020	1 1/4	899	1020	1 1/4	899		NA		NA		
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED, USE WINDSOR LOCKS ALTIMETER SETTING *1820 WHEN USING WINDSOR LOCKS ALTIMETER SETTING **1260 WHEN USING WINDSOR LOCKS ALTIMETER SETTING												
CITY AND STATE		ELEVATION: 121 TDZE: 121		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
NORTHAMPTON, MA		AIRPORT NAME: NORTHAMPTON				RNAV (GPS) RWY 14, ORIG 07 MAY 2009				AMDT: NONE		
										DATED		

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

CITY AND STATE NORTHAMPTON, MA	ELEVATION: 121 TDZE: 121 AIRPORT NAME: NORTHAMPTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
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.

CITY AND STATE NORTHAMPTON, MA	ELEVATION: 121 TDZE: 121 AIRPORT NAME: NORTHAMPTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CTR	CTR	010		IF		FB				
	CTR	CA AHL	020	IAF	TF		FB	2.0	028.9(014T)	006.5	03700
	CTR	SMUTZ	030		TF		FB	1.0	052.4(037T)	005.0	03500
	WARIC	WARIC	010		IF		FB				
	WARIC	HHEPP	020	IAF	TF		FB	2.0	258.2(243T)	013.3	04000
	WARIC	SMUTZ	030		TF		FB	1.0	232.5(218T)	005.0	03500
		SMUTZ	010	FACF	IF		FB				03500
		EXBEB	020	FAF	TF		FB	0.5	142.5(128T)	005.1	02700
		CEKLU	021	SDF	TF		FB	0.3	142.5(128T)	002.9	0174001744
		ZALON	022	SDF	TF		FB	0.3	142.5(128T)	001.7	0118001190
		RW14	030	MAP	TF		FO	0.3	142.5(128T)	003.2	00161

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	GRABB	040		DF	L	FO	1.0			03000
	GRABB	050		HM	R	FO	2.0	263.8(249T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CTR	N421728.75	W0725657.82	N4217.479	W07256.964
	CA AHL	N422344.30	W0725452.68	N4223.738	W07254.878
	CEKLU	N422250.26	W0724212.30	N4222.838	W07242.205
	EXBEB	N422436.38	W0724518.66	N4224.606	W07245.311
	GRABB	N422412.26	W0723348.46	N4224.204	W07233.808
	HHEPP	N423140.73	W0724639.66	N4231.679	W07246.661
	SMUTZ	N422742.59	W0725046.43	N4227.710	W07250.774
	WARIC	N423742.00	W0723037.72	N4237.700	W07230.629
	ZALON	N422148.06	W0724023.22	N4221.801	W07240.387
	RW14	N421950.89	W0723658.05	N4219.848	W07236.968

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
	RW14	00121 40

CITY AND STATE
NORTHAMPTON, MA

ELEVATION: 121 TDZE: 121
 AIRPORT NAME:
NORTHAMPTON

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, ORIG
07 MAY 2009

SUP:
 AMDT: **NONE**
 DATED:

7
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 3.95 MILES AFTER ADARE INT/BAF 6.99 DME OR AT BAF 10.94 DME FIX CLIMBING LEFT TURN TO 4000 VIA CTR VOR/DME R-095 TO CTR VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.00 INBOUND. CHART: 1266 TOWER 421506N/0723842W. CHART FAS OBST: 939 TREE 421639N/0733730W FAC CROSSES MID POINT OF RWY 14-32.					
BAF VORTAC (IF/IAF)	ADARE INT/BAF 6.99 DME	039.11 / 6.99				2500									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT BAF VORTAC 3. FAC <u>039.11</u> FAF <u>ADARE INT/BAF 6.99 DME</u> DIST FAF TO MAP <u>3.95</u> THLD <u> </u> 4. MIN. ALT <u>BAF VORTAC 3000, ADARE 2500</u> 8. MSA FROM: <u>BAF VORTAC 090-180 2500, 180-270 3200, 270-360 3600, 360-090 3300</u>										MAG VAR: 14W EPOCH YEAR: 1980					
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: ☐ NA ☒									
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	1540	1 1/4	1419	1540	1 1/2	1419		NA			NA				
WINDSOR LOCKS ALTIMETER SETTING MINIMUMS															
CIRCLING	1620	1 1/4	1499	1620	1 1/2	1499		NA			NA				
NOTES:															
CHART PLANVIEW NOTE: RADAR REQUIRED CHART NOTE: OBTAIN LOCAL ALTIMETER ON CTAF; WHEN NOT RECEIVED, USE WINDSOR LOCKS ALTIMETER SETTING.															
CITY AND STATE		ELEVATION: 121 TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS-A					
NORTHAMPTON, MA		AIRPORT NAME:		BAF		VOR-A, AMDT 5				AMDT 4					
		NORTHAMPTON				07 MAY 2009				DATE 03/15/2007					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.27

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 3.37 MILES AFTER RQM NDB
AUG VOR/DME	RQM NDB	330.37 / 55.07	5800	CLIMB TO 3400 THEN CLIMBING LEFT TURN TO 5100 DIRECT RQM NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5100.
BML VOR/DME (IAF)	SHINY/BML VOR/DME 15.92 DME (NOPT)	062.66 / 15.92	4300	
SHINY/BML VOR/DME 15.92 DME (IF)	RQM NDB	063.96 / 10.00	3800	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 063.96 INBOUND. CHART FAS OBST: 1959 TREE 445522N/0704419W FAC CROSSES MID POINT OF RWY 6-24

1. PT R SIDE OF COURSE 243.96 OUTBOUND 5100 FT WITHIN 10 MILES OF RQM NDB (IAF)
2. _____
3. FAC 091.29 FAF RQM NDB DIST FAF TO MAP 3.37 THLD _____
4. MIN. ALT RQM NDB 3800
8. MSA FROM: RQM NDB 5500

MAG VAR: 18W EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE:	NA	☒				
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	2860	1 1/4	1342	2860	1 1/2	1342		NA			NA				
BERLIN ALTIMETER SETTING MINIMUMS															
CIRCLING	3000	1 1/4	1482	3000	1 1/2	1482		NA			NA				

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BERLIN ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BML VOR/DME VIA V104 WESTBOUND.

CITY AND STATE RANGELEY, ME	ELEVATION: 1518 TDZE: AIRPORT NAME: RANGELEY LAKE SPB	FACILITY IDENTIFIER: RQM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-B, AMDT 1 07 MAY 2009	SUP NDB OR GPS-B
				AMDT ORIG-B
				DATE 10/25/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
AUG VOR/DME	SHINY (FO)	320.23 / 56.70	6000	LNAV: FOXAL CLIMB TO 6000 DIRECT SAWTO AND VIA 044.28 TRACK TO EYEEES AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 224.28 INBOUND. CHART FAS OBST: 1959 TREE 445522N/0704419W FAC CROSSES MIDPOINT OF RWY 6-24											
EYEEES	SHINY (FO)	242.16 / 26.35	6000												
BML VOR/DME (IAF)	SHINY (NOPT) (FB)	063.66 / 15.92	6000												
SHINY (IF/IAF)	RQM NDB (FB)	063.85 / 10.00	3600												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW SHINY, LT, 063.85 INBOUND, 6000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>091.29</u> FAF: <u>RQM NDB</u> DIST FAF TO MAP: <u>3.37</u> THLD: 4. MIN. ALT: <u>SHINY 6000, RQM NDB 3600</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: 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>FOXAL 5500</u>				MAG VAR: 18W EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF: ☒ STANDARD ☐ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: ☐ NA ☒															
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	2320	1	802	2320	1 1/4	802		NA			NA				
BERLIN ALTIMETER SETTING															
CIRCLING	2460	1 1/4	942	2460	1 1/4	942		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: OBTAIN LOCAL ALTIMETER ON CTAF; WHEN NOT RECEIVED, USE BERLIN ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BML VOR/DME VIA V104 WESTBOUND.															
CITY AND STATE		ELEVATION: 1518 TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
RANGELEY, ME		AIRPORT NAME:		RNAV		RNAV (GPS)-C, ORIG				AMDT: NONE					
		RANGELEY LAKE SPB				07 MAY 2009				DATED					

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

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[illegible]

CITY AND STATE RANGELEY, ME	ELEVATION: 1518 TDZE: AIRPORT NAME: RANGELEY LAKE SPB	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-C, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP M57 K6SFOXALK6EA 0 18018005525 M

CITY AND STATE

RANGELEY, ME

ELEVATION: 1518 TDZE:

AIRPORT NAME:

RANGELEY LAKE SPB

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS)-C, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
AUG		AUG	010		IF		FB				
AUG		SHINY	020		TF		FO	2.0	320.2 (302T)	056.7	06000
AUG		SHINY	030		HF	L	FO		063.9 (046T)	006.0	06000
BML		BML	010	IAF	IF		FB				
BML		SHINY	020		TF		FB	1.0	063.7 (046T)	015.9	06000
EYEES		EYEES	010		IF		FB				
EYEES		SHINY	020	IAF	TF		FO	2.0	242.2 (224T)	026.4	06000
EYEES		SHINY	030		HF	L	FO		063.9 (046T)	006.0	06000
		SHINY	010	FACF	IF		FB				06000
		RQM	020	FAF	TF		FB	0.5	063.9 (046T)	010.0	03600
		FOXAL	030	MAP	TF		FO	0.3	091.3 (073T)	003.4	02460

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SAWTO	040		DF		FB	1.0			
	EYEES	050		TF		FO	1.0	044.3 (026T)		06000
	EYEES	060		HM	R	FO	2.0	224.3 (206T)	005.0	06000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AUG	N441912.07	W0694747.63	N4419.201	W06947.794
	BML	N443800.29	W0711110.08	N4438.005	W07111.168
	RQM	N445604.40	W0704504.05	N4456.073	W07045.068
	EYEES	N450803.87	W0702922.62	N4508.065	W07029.377
	FOXAL	N445702.51	W0704031.04	N4457.042	W07040.517
	SAWTO	N445754.04	W0703628.16	N4457.901	W07036.469
	SHINY	N444906.74	W0705510.32	N4449.112	W07055.172

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

CITY AND STATE
RANGELEY, ME

ELEVATION: 1518 TDZE:
AIRPORT NAME:
RANGELEY LAKE SPB

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS)-C, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 4.97 MILES AFTER RQM NDB										
AUG VOR/DME		RQM NDB			330.37 / 55.07				5800		CLIMBING RIGHT TURN TO 5100 DIRECT RQM NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5100. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 063.93 INBOUND. FAS OBST: 2179 AAO 445654N/0704609W FAC CROSSES MIDPOINT OF RWY 14-32										
BML VOR/DME (IAF)		SHINY/BML VOR/DME 15.92 DME (NOPT)			062.66 / 15.92				4300												
SHINY/BML VOR/DME 15.92 DME (IF)		RQM NDB			063.96 / 10.00				3800												
1. PT <u> R </u> SIDE OF COURSE <u> 243.93 </u> OUTBOUND <u> 5100 </u> FT WITHIN <u> 10 </u> MILES OF <u> RQM NDB </u> (IAF) 2. _____ 3. FAC <u> 064.93 </u> FAF <u> RQM NDB </u> DIST FAF TO MAP <u> 4.97 </u> THLD _____ 4. MIN. ALT <u> RQM NDB 3800 </u> 8. MSA FROM: <u> RQM NDB 5500 </u>										MAG VAR: 18W EPOCH YEAR: 1985											
MINIMUMS																					
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA		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	2520	1	695	2520	1	695		NA			NA										
BERLIN ALTIMETER SETTING MINIMUMS																					
CIRCLING	2700	1	875	2700	1 1/4	875		NA			NA										
NOTES:																					
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BERLIN ALTIMETER SETTING.																					
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BML VOR/DME VIA V104 WESTBOUND.																					
CITY AND STATE RANGELEY, ME				ELEVATION: 1825 TDZE: AIRPORT NAME: STEVEN A BEAN MUNI				FACILITY IDENTIFIER: RQM				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, AMDT 5 07 MAY 2009				SUP NDB OR GPS-A					
																AMDT 4B					
																DATE 07/31/2008					



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: ROOTS			
AUG VOR/DME	SHINY (FO)	320.23 / 56.70	6000	CLIMBING RIGHT TURN TO 6000 DIRECT SHINY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.			
BML VOR/DME (IAF)	SHINY (NOPT) (FB)	063.66 / 15.92	6000				
SHINY (IF/IAF)	RQM NDB (FB)	063.85 / 10.00	3800				
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 2039 TREE 445926N/0704048W 2679 AAO 445639N/0704624W FAC CROSSES MIDPOINT OF RWY 14-32			

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD SW SHINY, LT, 063.85 INBOUND, 6000 FT. IN LIEU OF PT (IF/IAF)	
3. FAC: <u>064.93</u> FAF: <u>RQM NDB</u> DIST FAF TO MAP: <u>4.97</u> THLD: _____	
4. MIN. ALT: <u>SHINY 6000, RQM NDB 3800</u>	
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: <u>34:1 IS CLEAR</u>	
8. MSA FROM: <u>ROOTS 5500</u>	

MINIMUMS																																																																												
TAKEOFF: _____	☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ☒ X																																																																											
CATEGORY =====>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">A</th> <th colspan="3">B</th> <th colspan="3">C</th> <th colspan="3">D</th> <th colspan="3">E</th> </tr> <tr> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> </tr> </thead> <tbody> <tr> <td>CIRCLING</td> <td>2380</td> <td>1</td> <td>555</td> <td>2380</td> <td>1</td> <td>555</td> <td></td> <td>NA</td> <td></td> <td></td> <td>NA</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	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	2380	1	555	2380	1	555		NA			NA																																	
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	2380	1	555	2380	1	555		NA			NA																																																																	
BERLIN ALTIMETER SETTING MINIMUMS																																																																												
CIRCLING	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>2560</td><td>1</td><td>735</td><td>2560</td><td>1</td><td>735</td><td></td><td>NA</td><td></td><td></td><td>NA</td><td></td><td></td><td></td><td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	2560	1	735	2560	1	735		NA			NA																																																																
2560	1	735	2560	1	735		NA			NA																																																																		

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BERLIN ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BML VOR/DME VIA V104 WESTBOUND.

CITY AND STATE RANGELEY, ME	ELEVATION: 1825 TDZE: AIRPORT NAME: STEVEN A BEAN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-D, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED

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[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AUG	AUG	010		IF		FB				
	AUG	SHINY	020		TF		FO	2.0	320.2 (302T)	056.7	06000
	AUG	SHINY	030		HF	L	FO		063.9 (046T)	006.0	06000
	BML	BML	010	IAF	IF		FB				
	BML	SHINY	020		TF		FB	1.0	063.7 (046T)	015.9	06000
		SHINY	010	FACF	IF		FB				06000
		RQM	020	FAF	TF		FB	0.5	063.9 (046T)	010.0	03800
		ROOTS	030	MAP	TF		FO	0.3	064.9 (047T)	005.0	02560

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SHINY	040		DF	R	FO	1.0			06000
	SHINY	050		HM	L	FO	2.0	063.9 (046T)	006.0	06000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AUG	N441912.07	W0694747.63	N4419.201	W06947.794
	BML	N443800.29	W0711110.08	N4438.005	W07111.168
	RQM	N445604.40	W0704504.05	N4456.073	W07045.068
	ROOTS	N445927.83	W0703957.20	N4459.464	W07039.953
	SHINY	N444906.74	W0705510.32	N4449.112	W07055.172

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH



CITY AND STATE
RANGELEY, ME

ELEVATION: 1825 TDZE:
AIRPORT NAME:
STEVEN A BEAN MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS)-D, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.27

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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: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA _____								
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 07 MAY 2009

CITY AND STATE WISCASSET, ME	ELEVATION: 70 TDZE: 67 AIRPORT NAME: WISCASSET	FACILITY IDENTIFIER: ISS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 25, AMDT 5B, 01/04/2002	SUP
				AMDT 5A
				DATE 1/4/02

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES								MISSED APPROACH							
FROM	TO	COURSE AND DISTANCE			ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 2400 DIRECT BLACO AND VIA 085.77 TRACK TO ELX VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 266.00 INBOUND. CHART FAS OBST: 789 TREE 420818N/0862719W DISTANCE TO THLD FROM 389 HAT: 1.06 NM. WAAS CHANNEL # 86912 REFERENCE PATH ID: W09A									
TABGE (IAF)	ZUYDU (NOPT) (FB)	183.28 / 5.00			2500										
TAMPE (IAF)	ZUYDU (NOPT) (FB)	003.28 / 5.00			2500										
ZUYDU (IF/IAF)	ADIYI (FB)	093.28 / 6.05			2300										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ZUYDU, RT, 093.28 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: 093.37 FAF: ADIYI _____ DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: ZUYDU 2500, ADIYI 2300 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2300 GS ALT AT: ADIYI _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR 8. MSA FROM: _____								MAG VAR: 3W EPOCH YEAR: 1985							
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1019	1 1/4	389	1019	1 1/4	389	1019	1 1/4	389	1019	1 1/4	389			
LNAV/VNAV DA	1101	1 3/4	471	1101	1 3/4	471	1101	1 3/4	471	1101	1 3/4	471			
LNAV MDA	1040	1	410	1040	1	410	1040	1 1/4	410	1040	1 1/4	410			
CIRCLING	1120	1	477	1120	1	477	1160	1 1/2	517	1200	2	557			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING SOUTH HAVEN ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. 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 NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 643 TDZE: 630		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BENTON HARBOR, MI		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 9, ORIG				AMDT: NONE					
		SOUTHWEST MICHIGAN RGNL				07 MAY 2009				DATED					

 QUALITY
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH HAVEN ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET AND LPV ALL CATS VISIBILITY 1/4 MILE AND LNAV CAT D VISIBILITY 1/4 MILE.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	003/30 CW 183/30 (NOPT)	ZUYDU (IF/IAF) (FB)	2500
2.	183/30 CW 273/30	TABGE (IAF) (FB)	2500
3.	273/30 CW 003/30	TAMPE (IAF) (FB)	2500

CITY AND STATE

BENTON HARBOR, MI

ELEVATION: 643 TDZE: 630

AIRPORT NAME:

SOUTHWEST MICHIGAN RGNL

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

 QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KBEH
RUNWAY RW09
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09A
LTP/FTP LATITUDE 420740.5785N
LTP/FTP LONGITUDE 0862612.5730W
LTP/FTP ELLIPSOIDAL HEIGHT +01574
FPAP LATITUDE 420739.8600N
FPAP LONGITUDE 0862412.8300W
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 1192
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

7EB041B1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +01911
FPAP ORTHOMETRIC HEIGHT +01911

CITY AND STATE

BENTON HARBOR, MI

ELEVATION: 643 TDZE: 630

AIRPORT NAME:

SOUTHWEST MICHIGAN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
4
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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	QUALITY

RNAV (GPS) 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.

[illegible]

BENTON HARBOR, MI

ELEVATION: 643 TDZE: 630
AIRPORT NAME:
SOUTHWEST MICHIGAN RGNL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, ORIG
07 MAY 2009

SUP:	
AMDT:	NONE
DATED:	JAN 11 1997

4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TABGE	TABGE	010	IAF	IF		FB				
	TABGE	ZUYDU	020		TF		FB	1.0	183.3 (180T)	005.0	02500
	TAMPE	TAMPE	010	IAF	IF		FB				
	TAMPE	ZUYDU	020		TF		FB	1.0	003.3 (000T)	005.0	02500
	ZUYDU	ZUYDU	010		HF	R	FB		093.3 (090T)	004.0	02500
		ZUYDU	010	FACF	IF		FB				02500
		ADIYI	020	FAF	TF	-	FB	0.5	093.3 (090T)	006.1	02300
		RW09	030	MAP	TF		FO	0.3	093.4 (090T)	005.0	00682

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BLACO	040		DF		FB	1.0			
	ELX	050		TF		FO	1.0	085.8 (083T)		02400
	ELX	060		HM	L	FO	2.0	266.0 (263T)	004.0	02400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ELX	N420839.85	W0860721.46	N4208.664	W08607.358
	ADIYI	N420742.74	W0863256.62	N4207.712	W08632.944
	BLACO	N420737.55	W0861827.07	N4207.626	W08618.451
	TABGE	N421244.94	W0864102.40	N4212.749	W08641.040
	TAMPE	N420244.71	W0864106.34	N4202.745	W08641.106
	ZUYDU	N420744.83	W0864104.37	N4207.747	W08641.073
	RW09	N420740.58	W0862612.57	N4207.676	W08626.210

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00627	55

CITY AND STATE
BENTON HARBOR, MI

ELEVATION: 643 TDZE: 630
 AIRPORT NAME:
 SOUTHWEST MICHIGAN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 9, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

QUALITY
4
CHECKED

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1. PT <u>L</u> SIDE OF COURSE <u>266.08</u> OUTBOUND <u>2300</u> FT WITHIN <u>10</u> MILES OF <u>PRITT</u> (IAF)									
2.									
3. FAC <u>086.08</u> FAF <u>PRITT INT/19.00</u> DME DIST FAF TO MAP <u>4.94</u> THLD <u>4.94</u>									
4. MIN. ALT <u>PRITT 2300</u>									
8. MSA FROM: <u>ELX VOR/DME 2500</u>									
</									

NOTES:	
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.	@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH HAVEN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.	

FAA FORM 8260-5 / December 2002 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 5.74 MILES AFTER MADDS LOM							
YQG VOR/DME			MADDS LOM			327.41 / 18.82				2800		CLIMB TO 3000 DIRECT VQ LOM/YQG 8.49 DME AND HOLD, CONTINUE CLIMB IN HOLD TO 3000.							
ADDITIONAL FLIGHT DATA: HOLD SE, RT, 328.00 INBOUND. CHART FAS OBST: 878 TOWER 422454N/0830334W MADDS LOM TO RW15: 3.15/57.																			
1. PT <u> R </u> SIDE OF COURSE <u> 328.36 </u> OUTBOUND <u> 2800 </u> FT WITHIN <u> 10 </u> MILES OF <u> MADDS LOM </u> (IAF)																			
2.																			
3. FAC <u> 148.36 </u> FAF <u> MADDS LOM </u> DIST FAF TO MAP <u> 5.74 </u> THLD <u> 5.74 </u>																			
4. MIN. ALT <u> DE LOM 2600 </u>																			
8. MSA FROM: <u> DE LOM 2800 </u>																			
MINIMUMS MAG VAR: 5W EPOCH YEAR: 1980																			
TAKEOFF:		STANDARD		X		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-15	1220	1	596	1220	1	596	1220	1 1/2	596	1220	1 3/4	596							
CIRCLING	1220	1	594	1220	1	594	1220	1 1/2	594	1220	2	594							
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DETROIT METRO WAYNE COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE S-15 CAT C AND D VISIBLTY 1/4 MILE, AND CIRCLING CAT C 1/4 MILE.																			
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.																			
																			
CITY AND STATE DETROIT, MI				ELEVATION: 626 TDZE: 624 AIRPORT NAME: COLEMAN A. YOUNG MUNI				FACILITY IDENTIFIER: DE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 15, AMDT 23 07 MAY 2009				SUP NDB OR GPS RWY 15 AMDT 22 DATE 07/05/2007					

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 9, 18, 27, 36 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TREES BEGINNING 917' FROM DER, 318' RIGHT OF CENTERLINE, UP TO 57' AGL/1387' MSL. TREES BEGINNING 918' FROM DER, 357' LEFT OF CENTERLINE, UP TO 79' AGL/1407' MSL. CEILOMETER 166' FROM DER, 258' LEFT OF CENTERLINE, 4' AGL/1334' MSL.

NOTE: RWY 18, POWERLINE PYLON 2125' FROM DER, 917' RIGHT OF CENTERLINE, 79' AGL/1398' MSL. BUSHES BEGINNING 18' FROM DER, 255' LEFT OF CENTERLINE, UP TO 21' AGL/1338' MSL.

NOTE: RWY 27, TREES BEGINNING 2870' FROM DER, 345' RIGHT OF CENTERLINE, UP TO 83' AGL/1403' MSL. TREE 2906' FROM DER, (CONT)

(4) CONTROLLING OBSTACLES:

(5) City, State

GAYLORD, MI

(6) Airport

GAYLORD RGNL

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL.
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statute miles or in feet RVR.

(CONTINUED FROM PAGE 1)

(3) TAKEOFF OBSTACLE NOTES:

234' LEFT OF CENTERLINE, 75' AGL/1395' MSL.

NOTE: RWY 36, TREES AND BUSH BEGINNING 79' FROM DER, 191' LEFT OF CENTERLINE, UP TO 54' AGL/1374' MSL.

City, State GAYLORD, MI		Airport GAYLORD RGNL		Effective Date 07 MAY 2009		Amdt. No. ORIG	
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date		

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CITOT (IAF)	GODSE (NOPT) (FB)	179.99 / 5.00	3500	LNAV: RW09
FAVOD (IAF)	GODSE (NOPT) (FB)	359.99 / 5.00	3500	CLIMB TO 3500 DIRECT HIRUN AND HOLD.
GODSE (IF/IAF)	ELAZY (FB)	089.99 / 6.00	3000	
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 270.41 INBOUND. FAS OBST: 1477 AAO 463214N/0901419W CHART VDP AT 2.10 MILES TO RW09. ELAZY TO RW09: 3.05/47.

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. **HOLD W GODSE, RT, 089.99 INBOUND, 3500 FT. IN LIEU OF PT (IAF)**
3. FAC: **090.10** FAF: **ELAZY** DIST FAF TO MAP: **5.35** THLD: **5.35**
4. MIN. ALT: **GODSE 3500, ELAZY 3000**
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: 0E

EPOCH YEAR: 1985

MINIMUMS

[illegible]

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHLAND ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET. INCREASE LNAV CAT B VISIBILITY 1/4 MILE. CAT C/D 1/2 MILE AND INCREASE CIRCLING

CAT A/B VISIBILITY 1/4 MILE. CAT C 1/2 MILE.

@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1000-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE IRONWOOD, MI	ELEVATION: 1230 TDZE: 1230 AIRPORT NAME: GOGEBIC-IRON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 07 MAY 2009	SUP:
				AMD'T: NONE
				DATED

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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TAA

	FROM	TO	ALT
1.	360/30 CW 180/30 (NOPT)	GODSE (IF/IAF) (FB)	3500
2.	180/30 CW 270/30	CITOT (IAF) (FB)	3500
3.	270/30 CW 360/30	270/15 CW 360/15	4100
4.	270/15 CW 360/15	FAVOD (IAF) (FB)	3500

CITY AND STATE

IRONWOOD, MI

ELEVATION: 1230 TDZE: 1230

AIRPORT NAME:

GOGEBIC-IRON COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
2
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.

[illegible][illegible][illegible][illegible]

CITY AND STATE IRONWOOD, MI	ELEVATION: 1230 TDZE: 1230 AIRPORT NAME: GOGEBIC-IRON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CITOT	CITOT	010	IAF	IF		FB				
	CITOT	GODSE	020		TF		FB	1.0	180.0 (180T)	005.0	03500
	FAVOD	FAVOD	010	IAF	IF		FB				
	FAVOD	GODSE	020		TF		FB	1.0	360.0 (360T)	005.0	03500
	GODSE	GODSE	010		HF	R	FB		090.0 (090T)	004.0	03500
		GODSE	010	FACF	IF		FB				03500
		ELAZY	020	FAF	TF		FB	0.5	090.0 (090T)	006.0	03000
		RW09	030	MAP	TF		FO	0.3	090.1 (090T)	005.4	01270

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HIRUN	040		DF		FO	1.0			03500
	HIRUN	050		HM	R	FO	2.0	270.4 (270T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CITOT	N463640.01	W0902506.44	N4636.667	W09025.107
	ELAZY	N463139.84	W0901624.55	N4631.664	W09016.409
	FAVOD	N462640.23	W0902506.28	N4626.671	W09025.105
	GODSE	N463140.12	W0902506.36	N4631.669	W09025.106
	HIRUN	N463135.16	W0895043.57	N4631.586	W08950.726
	RW09	N463139.04	W0900839.50	N4631.651	W09008.658

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	01223	47

CITY AND STATE
IRONWOOD, MI

ELEVATION: 1230 TDZE: 1230
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 RNAV (GPS) RWY 9, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 3500 DIRECT GODSE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 089.99 INBOUND. CHART FAS OBST: 1346 TREE 463148N/0900640W CHART FAS OBST: 1641 TREE 463014N/0900423W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.93 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 50212 REFERENCE PATH ID: W27A							
BIVBE (IAF)		HIRUN (NOPT) (FB)		180.41 / 5.00				3500									
DUPME (IAF)		HIRUN (NOPT) (FB)		000.41 / 5.00				3500									
HIRUN (IF/IAF)		PETFI (FB)		270.41 / 2.40				3300									
PETFI		CRAAG (FB)		270.37 / 3.60				3000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E HIRUN, RT, 270.41 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>270.30</u> FAF: <u>CRAAG</u> DIST FAF TO MAP: <u>5.31</u> THLD: <u>5.31</u> 4. MIN. ALT: <u>HIRUN 3500, PETFI 3300, CRAAG 3000, BADVE/2.60 NM TO RW27 2100*</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> </u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>CRAAG</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.8</u> 34:1 IS CLEAR 8. MSA FROM: <u> </u>										MAG VAR: 0E						EPOCH YEAR: 1985	
MINIMUMS																	
TAKEOFF: <u> </u>		STANDARD ☒		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		
LPV DA	1430	1	200	1430	1	200	1430	1	200	1430	1	200					
LNAV/VNAV DA	2166	2	936	2166	2	936	2166	2 3/4	936	2166	3	936					
LNAV MDA	1900	1	670	1900	1	670	1900	1 1/4	670	1900	1 1/2	670					
CIRCLING	2100	1	870	2100	1 1/4	870	2100	2 1/2	870	2220	3	990					
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV ALL CATS AND LNAV CATS A AND B. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW AND PROFILE NOTE: FOR LNAV/VNAV DA FLY VISUAL TO AIRPORT, 270 DEGREES - 2.8 MILES, SEE 8260-10																	
CITY AND STATE				ELEVATION: 1230 TDZE: 1230				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
IRONWOOD, MI				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 27, ORIG				AMDT: NONE	
				GOGEBC-IRON COUNTY								07 MAY 2009				DATED	

 QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

WHEN USING ASHLAND ALTIMETER SETTING FLY VISUAL TO AIRPORT, 270 DEGREES - 3.2 MILES.

*LNAV ONLY

CHART NOTE: WHEN USING ASHLAND ALTIMETER SETTING: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV

ALL CATS AND LNAV CAT A.

CHART NOTE: WHEN USING ASHLAND ALTIMETER SETTING: FOR INOPERATIVE MALSR, INCREASE LNAV CAT B VISIBILITY TO 1 1/4 MILE.

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

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

ALL DA 132 FEET AND ALL MDA 140 FEET, INCREASE LNAV/VNAV CAT C VISIBILITY 1/4 MILE, LNAV CAT C/D

VISIBILITY 1/2 MILE, AND CIRCLING CAT A/B VISIBILITY 1/4 MILE, CAT C 1/2 MILE.

TAA

	FROM	TO	ALT
1.	180/30 CW 360/30 (NOPT)	HIRUN (IF/IAF) (FB)	3500
2.	360/30 CW 090/30	DUPME (IAF) (FB)	3500
3.	090/30 CW 180/30	BIVBE (IAF) (FB)	3500

CITY AND STATE

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIWD
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W27A
REFERENCE PATH IDENTIFIER (APPROACH ID)	463138.8200N
LTP/FTP LATITUDE	0900706.5400W
LTP/FTP LONGITUDE	+03443
LTP/FTP ELLIPSOIDAL HEIGHT	463139.0900N
FPAP LATITUDE	0900858.0600W
FPAP LONGITUDE	00054.8
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	0392
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	35.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

E6329615

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03750
FPAP ORTHOMETRIC HEIGHT	+03750

CITY AND STATE
IRONWOOD, MI

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0 2
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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KIWDK5FR27	ABIVBE	010BIVBEK5EA0E	A	IF					18000		A	JS
SUSAP	KIWDK5FR27	ABIVBE	020HIRUNK5EA0EE		010TF		18040050	+	03500			A	JS
SUSAP	KIWDK5FR27	ADUPME	010DUPMEK5EA0E	A	IF					18000		A	JS
SUSAP	KIWDK5FR27	ADUPME	020HIRUNK5EA0EE		010TF		00040050	+	03500			A	JS
SUSAP	KIWDK5FR27	AHIRUN	010HIRUNK5EA0EE	CR	HF		27040040	+	03500	18000		A	JS
SUSAP	KIWDK5FR27	R	010HIRUNK5EA0E	I	IF			+	03500	18000		A	JS
SUSAP	KIWDK5FR27	R	011PETFIK5EA0E	S	051TF		27040024	+	03300			A	JS
SUSAP	KIWDK5FR27	R	020CRAAGK5EA1E	F	051TF		27040036	+	03000			A	JS
SUSAP	KIWDK5FR27	R	020CRAAGK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KIWDK5FR27	R	021BADVEK5EA0E	S	031TF		27030027	V	0210002119	-300		A	JS
SUSAP	KIWDK5FR27	R	030RW27	K5PG0GY	M 031TF		27030026		01285	-300		A	JS
SUSAP	KIWDK5FR27	R	040GODSEK5EA0EYM		010TF			+	03500			A	JS
SUSAP	KIWDK5FR27	R	050GODSEK5EA0EE		HR020HM		09000040	+	03500			A	JS

[illegible]

1	2	3	4	5	6	7	8	9	0	1	2

CITY AND STATE IRONWOOD, MI	ELEVATION: 1230 TDZE: 1230 AIRPORT NAME: GOGEBIC-IRON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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PP 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KIWDK5PR27 RW27 001 0000W27A0N4631388200W09007065400+034430300N4631390900W09008580600106750392000548F400350E6329615
SUSAP KIWDK5PR27 RW27 002E +03750+03750LPV 50212 000

CITY AND STATE

IRONWOOD, MI

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AIRPORT NAME:

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BIVBE	BIVBE	010	IAF	IF		FB				
	BIVBE	HIRUN	020		TF		FB	1.0	180.4 (180T)	005.0	03500
	DUPME	DUPME	010	IAF	IF		FB				
	DUPME	HIRUN	020		TF		FB	1.0	000.4 (000T)	005.0	03500
	HIRUN	HIRUN	010		HF	R	FB		270.4 (270T)	004.0	03500
		HIRUN	010	FACF	IF		FB				03500
		PETFI	011	SDF	TF		FB	0.5	270.4 (270T)	002.4	03300
		CRAAG	020	FAF	TF		FB	0.5	270.4 (270T)	003.6	03000
		BADVE	021	SDF	TF		FB	0.3	270.3 (270T)	002.7	0210002119
		RW27	030	MAP	TF		FO	0.3	270.3 (270T)	002.6	01285

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GODSE	040		DF		FO	1.0			03500
	GODSE	050		HM	R	FO	2.0	090.0 (090T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BADVE	N463138.19	W0900320.61	N4631.637	W09003.344
	BIVBE	N463635.04	W0895040.46	N4636.584	W08950.674
	CRAAG	N463137.40	W0895925.37	N4631.623	W08959.423
	DUPME	N462635.28	W0895046.67	N4626.588	W08950.778
	GODSE	N463140.12	W0902506.36	N4631.669	W09025.106
	HIRUN	N463135.16	W0895043.57	N4631.586	W08950.726
	PETFI	N463136.13	W0895412.29	N4631.602	W08954.205
	RW27	N463138.82	W0900706.54	N4631.647	W09007.109

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	01230	55

CITY AND STATE
IRONWOOD, MI

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 RNAV (GPS) RWY 27, ORIG
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TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 9, 27 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 9 - CLIMB HEADING 090.19 TO 2300 BEFORE TURNING RIGHT.

RWY 27 - CLIMB HEADING 270.21 TO 1700 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 9, TREES BEGINNING 61' FROM DER, 544' LEFT OF CENTERLINE, UP TO 31' AGL/1,244' MSL, TREE 1,853 FROM DER, 972' LEFT OF CENTERLINE, 100' AGL/1,346' MSL. NOTE: RWY 27, VEHICLE ON ROAD 287' FROM DER, 2' RIGHT OF CENTERLINE, 15' AGL/1,237 MSL, TREE 1,946' FROM DER, 952' RIGHT OF CENTERLINE, 69' AGL/1,283' MSL, TREE 2,817' FROM DER, 588' LEFT OF CENTERLINE, 74' AGL/1,304' MSL.

(4) CONTROLLING OBSTACLES:

RWY 9: 2,055 MSL TOWER 462927.00N/0900130.00W

RWY 27; 1,740 MSL TREE 463017.00N/0900746.00W

(5) City, State
IRONWOOD, MI

(6) Airport
GOGEBIC-IRON COUNTY

(7) Effective Date
07 MAY 2009

(8) Amdt. No.
6

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: DIMNI/IWD 0.80 DME FIX							
IWD VORTAC		BEDAY/IWD 6.30 DME		259.00 / 6.30				3400		CLIMB TO 3300 THEN CLIMBING LEFT TURN TO 3400 VIA HEADING 240 AND IWD R-259 TO BEDAY/6.30 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 079.00 INBOUND. FAS OBST: 1477 AAO 463214N/0901419W BEDAY TO RW09: 2.96/47. FAC CROSSES RWY C/L EXTENDED 5055 FROM THLD.							
1. PT <u>R</u> SIDE OF COURSE <u>259.00</u> OUTBOUND <u>3400</u> FT WITHIN <u>10</u> MILES OF <u>BEDAY</u> (IAF) 2. _____ 3. FAC <u>079.00</u> FAF <u>BEDAY/IWD 6.30 DME</u> DIST FAF TO MAP <u>-</u> THLD <u>5.50</u> 4. MIN. ALT <u>BEDAY 3000</u> 8. MSA FROM: <u>IWD VORTAC 3200</u>														MAG VAR: 1E		EPOCH YEAR: 1980	
MINIMUMS																	
TAKEOFF:		STANDARD		X		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		
S-9	1740	1	510	1740	1	510	1740	1 1/2	510	1740	1 1/2	510					
CIRCLING	2100	1	870	2100	1 1/4	870	2100	2 1/2	870	2220	3	990					
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHLAND ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, INCREASE S-9 VISIBILITY CAT C 1/4 MILE AND CAT D 1/2 MILE. INCREASE CIRCLING VISIBILITY CAT A/B 1/4 MILE AND CAT C 1/2 MILE.																	
CITY AND STATE IRONWOOD, MI				ELEVATION: 1230 TDZE: 1230 AIRPORT NAME: GOGEBIC-IRON COUNTY				FACILITY IDENTIFIER: IWD				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 9, AMDT 13 07 MAY 2009				SUP VOR OR GPS RWY	
																9	
																AMDT 12	
DATE 05/12/2005																	

 2
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: MAHTU/IWD 0.37 DME						
IWD VORTAC		BOBOS/IWD 5.05 DME			103.15 / 5.05			3300		CLIMB TO 3300 THEN RIGHT TURN DIRECT IWD VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 079.00 INBOUND. CHART VDP AT 2.38 DME; DISTANCE VDP TO THLD 2.03 MILES. BOBOS TO RW27: 3.04/55. FAC CROSSES RWY C/L EXTENDED 5169 FROM THLD.						
1. PT <u>L</u> SIDE OF COURSE <u>103.15</u> OUTBOUND <u>3300</u> FT WITHIN <u>10</u> MILES OF <u>BOBOS</u> (IAF) 2. _____ 3. FAC <u>283.15</u> FAF <u>BOBOS/IWD 5.05 DME</u> DIST FAF TO MAP _____ THLD <u>4.69</u> 4. MIN. ALT <u>ADKAY/IWD 9.05 DME 3300, BOBOS 2800, CETID/IWD 3.32 DME 2240*</u> 8. MSA FROM: <u>IWD VORTAC 3200</u>										MAG VAR: 1E EPOCH YEAR: 1980						
MINIMUMS																
TAKEOFF:		STANDARD		X		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
S-27		1940	1/2	710	1940	1/2	710	1940	1 1/2	710	1940	1 3/4	710			
CIRCLING		2100	1	870	2100	1 1/4	870	2100	2 1/2	870	2220	3	990			
NOTES: *2380 WHEN USING ASHLAND ALTIMETER SETTING. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ASHLAND ALTIMETER SETTING, INCREASE S-27 CAT A VISIBILITY TO 1 MILE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHLAND ALTIMETER SETTING AND INCREASE SEE 8260-10																
CITY AND STATE IRONWOOD, MI		ELEVATION: 1230 TDZE: 1230 AIRPORT NAME: GOGEbic-IRON COUNTY		FACILITY IDENTIFIER: IWD		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 27, AMDT 9 07 MAY 2009				SUP VOR/DME OR GPS RWY 27						
										AMDT 8						
										DATE 05/12/2005						

 QUALITY
2
CHECKED

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR 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.

NOTES CONT.

ALL MDA 140 FEET, INCREASE S-27 CAT A/B VISIBILITY 1/4 MILE, CAT C/D 1/2 MILE, INCREASE CIRCLING
CAT A/B VISIBILITY 1/4 MILE, CAT C 1/2 MILE.

QUALITY
2
CHECKED

CITY AND STATE

IRONWOOD, MI

ELEVATION: 1230 TDZE: 1230

AIRPORT NAME:

GOGEBIC-IRON COUNTY

FACILITY
IDENTIFIER:

IWD

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 27, AMDT 9

07 MAY 2009

SUP: VOR/DME OR GPS
RWY 27

AMDT: 8

DATED: 05/12/2005

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 14, 32 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, NUMEROUS TREES BEGINNING 838' FROM DER, 246' RIGHT OF CENTERLINE, UP TO 33' AGL/1,087' MSL. NUMEROUS TREES BEGINNING 1,232' FROM DER, 64' LEFT OF CENTERLINE, UP TO 69' AGL/1,108' MSL. SIGN 206' FROM DER, 198' LEFT OF CENTERLINE, 19' AGL/1,044' MSL. TOWER 4,884' FROM DER, 274' RIGHT OF CENTERLINE, 126' AGL/1,161' MSL.

NOTE: RWY 32, TREE 2,380' FROM DER, 646' LEFT OF CENTERLINE, 68' AGL/1,107' MSL. MULTIPLE FENCES BEGINNING 13' FROM DER, 361' LEFT OF CENTERLINE, UP TO 8' AGL/1,043' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

BENSON, MN

(6) Airport

BENSON MUNI

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

1

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 3100 DIRECT SIKTE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 310.24 INBOUND. CHART FAS OBST: 1309 TREE 433912N/0942631W DISTANCE TO THLD FROM 298 HAT: 0.80 NM. CHART VDP AT 1.11 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 45812 REFERENCE PATH ID: W13A							
COZFO		HOVUD (FB)		333.74 / 12.53				3100									
ISLER		HOVUD (FB)		073.89 / 22.91				3100									
WAGIK (IAF)		UCEVA (NOPT) (FB)		196.54 / 15.09				3100									
HOVUD (IAF)		UCEVA (NOPT) (FB)		039.91 / 5.00				3100									
UCEVA (IF/IAF)		ZEROB (FB)		129.96 / 6.02				3100									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW UCEVA, RT, 129.96 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 130.03 FAF: ZEROB DIST FAF TO MAP: 5.85 THLD: 5.85 4. MIN. ALT: UCEVA 3100, ZEROB 3100, PEYDI/1.70 NM TO RW13 1740* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3100 GS ALT AT: ZEROB OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 48.2 34:1 IS NOT CLEAR 8. MSA FROM: RW13 3200												MAG VAR: 4E EPOCH YEAR: 1995					
MINIMUMS																	
TAKEOFF:		STANDARD		X		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	1	298	1460	1	298	1460	1	298	1460	1	298				
LNAV/VNAV DA		1695	2	533	1695	2	533	1695	2	533	1695	2	533				
LNAV MDA		1560	1	398	1560	1	398	1560	1	398	1560	1 1/4	398				
CIRCLING		1640	1	478	1640	1	478	1640	1 1/2	478	1720	2	558				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY SEE 8260-10																	
CITY AND STATE				ELEVATION: 1162 TDZE: 1162				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
FAIRMONT, MN				AIRPORT NAME:				RNAV		RNAV (GPS) RWY 13, ORIG				AMDT: NONE			
				FAIRMONT MUNI						07 MAY 2009				DATED			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. JAMES ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS VISIBILITY AND LNAV CAT C/D VISIBILITY 1/4 MILE.

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

CITY AND STATE

FAIRMONT, MN

ELEVATION: 1162 TDZE: 1162

AIRPORT NAME:

FAIRMONT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KFRM
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	433857.5405N
LTP/FTP LONGITUDE	0942530.4160W
LTP/FTP ELLIPSOIDAL HEIGHT	+03250
FPAP LATITUDE	433755.5200N
FPAP LONGITUDE	0942402.3200W
THRESHOLD CROSSING HEIGHT (TCH)	00048.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

8E2450C1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03530
FPAP ORTHOMETRIC HEIGHT	+03530

CITY AND STATE
FAIRMONT, MN

ELEVATION: 1162 TDZE: 1162
AIRPORT NAME:
FAIRMONT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, ORIG
07 MAY 2009

SUP:	
AMDT:	NONE
DATED:	

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KFRMK3FR13	ACOF	010COZF	OK3EA0E	IF					18000		A JS	
SUSAP	KFRMK3FR13	ACOF	020HOVUDK3EA0E	A 020TF		33370125		+ 03100				A JS	
SUSAP	KFRMK3FR13	ACOF	030UCEVAK3EA0EE	010TF		03990050		+ 03100				A JS	
SUSAP	KFRMK3FR13	AI	010ISLERK3EA0E	IF						18000		A JS	
SUSAP	KFRMK3FR13	AI	020HOVUDK3EA0E	A 020TF		07390229		+ 03100				A JS	
SUSAP	KFRMK3FR13	AI	030UCEVAK3EA0EE	010TF		03990050		+ 03100				A JS	
SUSAP	KFRMK3FR13	AUCEVA	010UCEVAK3EA0EE	CR HF		13000040		+ 03100		18000		A JS	
SUSAP	KFRMK3FR13	AWAGIK	010WAGIKK3EA0E	A IF						18000		A JS	
SUSAP	KFRMK3FR13	AWAGIK	020UCEVAK3EA0EE	010TF		19650151		+ 03100				A JS	
SUSAP	KFRMK3FR13	R	010UCEVAK3EA0E	I IF				+ 03100		18000		A JS	
SUSAP	KFRMK3FR13	R	020ZEROBK3EA1E	F 051TF		13000060		+ 03100			RW13	K3PGA	JS
SUSAP	KFRMK3FR13	R	020ZEROBK3EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KFRMK3FR13	R	021PEYDIK3EA0E	S 031TF		13000042		V 0174001751		-300		A JS	
SUSAP	KFRMK3FR13	R	030RW13	K3PG0GY M 031TF		13000017		01206		-300		A JS	
SUSAP	KFRMK3FR13	R	040SIKTEK3EA0EYM	010DF				+ 03100				A JS	
SUSAP	KFRMK3FR13	R	050SIKTEK3EA0EE	HR020HM		31020040		+ 03100				A JS	

[illegible]

CITY AND STATE FAIRMONT, MN	ELEVATION: 1162 TDZE: 1162 AIRPORT NAME: FAIRMONT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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

SUSAP KFRMK3SRW13 K3PG 0 18018003225 M

PAGE 5 OF 6 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COZFO	COZFO	010		IF		FB				
	COZFO	HOVUD	020	IAF	TF		FB	2.0	333.7 (338T)	012.5	03100
	COZFO	UCEVA	030		TF		FB	1.0	039.9 (044T)	005.0	03100
	ISLER	ISLER	010		IF		FB				
	ISLER	HOVUD	020	IAF	TF		FB	2.0	073.9 (078T)	022.9	03100
	ISLER	UCEVA	030		TF		FB	1.0	039.9 (044T)	005.0	03100
	UCEVA	UCEVA	010		HF	R	FB		130.0 (134T)	004.0	03100
	WAGIK	WAGIK	010	IAF	IF		FB				
	WAGIK	UCEVA	020		TF		FB	1.0	196.5 (201T)	015.1	03100
		UCEVA	010	FACF	IF		FB				03100
		ZEROB	020	FAF	TF		FB	0.5	130.0 (134T)	006.0	03100
		PEYDI	021	SDF	TF		FB	0.3	130.0 (134T)	004.2	0174001751
		RW13	030	MAP	TF		FO	0.3	130.0 (134T)	001.7	01206

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SIKTE	040		DF		FO	1.0			03100
	SIKTE	050		HM	R	FO	2.0	310.2 (314T)	004.0	03100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COZFO	N433200.80	W0943530.78	N4332.013	W09435.513
	HOVUD	N434336.55	W0944203.67	N4343.609	W09442.061
	ISLER	N433852.39	W0951257.34	N4338.873	W09512.956
	PEYDI	N434008.52	W0942711.34	N4340.142	W09427.189
	SIKTE	N433005.00	W0941256.45	N4330.083	W09412.941
	UCEVA	N434712.62	W0943716.47	N4347.210	W09437.275
	WAGIK	N440120.94	W0942957.80	N4401.349	W09429.963
	ZEROB	N434301.75	W0943118.07	N4343.029	W09431.301
	RW13	N433857.54	W0942530.42	N4338.959	W09425.507

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01158	48

CITY AND STATE
FAIRMONT, MN

ELEVATION: 1162 TDZE: 1162
 AIRPORT NAME:
 FAIRMONT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 13, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3100 DIRECT UCEVA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 129.96 INBOUND. CHART FAS OBST: 1279 TREE 433816N/0942331W CHART FAS OBST: 1289 TREE 433806N/0942437W DISTANCE TO THLD FROM 305 HAT: 0.78 NM. WAAS CHANNEL # 90412 REFERENCE PATH ID: W31A											
BLEND	VOPPU (FB)	206.01 / 8.02	3100												
GRUVE	RUYOR (FB)	073.86 / 25.20	3100												
BANCO	RUYOR (FB)	328.43 / 13.87	3100												
RUYOR (IAF)	SIKTE (NOPT) (FB)	040.19 / 5.00	3100												
VOPPU (IAF)	SIKTE (NOPT) (FB)	220.30 / 5.00	3100												
SIKTE (IF/IAF)	NAYIG (FB)	310.24 / 6.02	3100												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE SIKTE, RT, 310.24 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 310.18 FAF: NAYIG DIST FAF TO MAP: 5.81 THLD: 5.81 4. MIN. ALT: SIKTE 3100, NAYIG 3100, CUYDA/1.60 NM TO RW31 1720* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3100 GS ALT AT: NAYIG OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 58.9 34:1 IS CLEAR 8. MSA FROM: RW31 3200				MAG VAR: 4E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X 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	1467	1/2	305	1467	1/2	305	1467	1/2	305	1467	1/2	305			
LNAV/VNAV DA	1581	1	419	1581	1	419	1581	1	419	1581	1	419			
LNAV MDA	1560	1/2	398	1560	1/2	398	1560	1/2	398	1560	1	398			
CIRCLING	1640	1	478	1640	1	478	1640	1 1/2	478	1720	2	558			
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE AND LNAV CAT D VISIBILITY TO 1 1/4 MILE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10															
CITY AND STATE				ELEVATION: 1162 TDZE: 1162		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
FAIRMONT, MN				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 31, ORIG 07 MAY 2009				AMDT: NONE			
				FAIRMONT MUNI								DATED			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*RNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. JAMES ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET, INCREASE LPV AND RNAV/VNAV ALL CATS VISIBILITY AND RNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV NA WHEN USING ST. JAMES ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ST. JAMES ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BLEND VIA V170 EASTBOUND, AND ARRIVALS AT GRUVE VIA V219 SOUTHWEST BOUND.

CITY AND STATE

FAIRMONT, MN

ELEVATION: 1162 TDZE: 1162

AIRPORT NAME:

FAIRMONT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KFRM
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	433819.7155N
LTP/FTP LONGITUDE	0942436.6820W
LTP/FTP ELLIPSOIDAL HEIGHT	+03256
FPAP LATITUDE	433857.5400N
FPAP LONGITUDE	0942530.4200W
THRESHOLD CROSSING HEIGHT (TCH)	00058.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	97.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

514858EC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03537
FPAP ORTHOMETRIC HEIGHT	+03537

CITY AND STATE

FAIRMONT, MN

ELEVATION: 1162 TDZE: 1162

AIRPORT NAME:

FAIRMONT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KFRMK3FR31	ABANCO	010BANCOK3EA0E		IF					18000		A	JS
SUSAP	KFRMK3FR31	ABANCO	020RUYORK3EA0E	A	020TF		32840139	+	03100			A	JS
SUSAP	KFRMK3FR31	ABANCO	030SIKTEK3EA0EE		010TF		04020050	+	03100			A	JS
SUSAP	KFRMK3FR31	ABLEND	010BLENDK3EA0E		IF					18000		A	JS
SUSAP	KFRMK3FR31	ABLEND	020VOPPUK3EA0E	A	020TF		20600080	+	03100			A	JS
SUSAP	KFRMK3FR31	ABLEND	030SIKTEK3EA0EE		010TF		22030050	+	03100			A	JS
SUSAP	KFRMK3FR31	AGRUVE	010GRUVEK3EA0E		IF					18000		A	JS
SUSAP	KFRMK3FR31	AGRUVE	020RUYORK3EA0E	A	020TF		07390252	+	03100			A	JS
SUSAP	KFRMK3FR31	AGRUVE	030SIKTEK3EA0EE		010TF		04020050	+	03100			A	JS
SUSAP	KFRMK3FR31	ASIKTE	010SIKTEK3EA0EE	CR	HF		31020040	+	03100	18000		A	JS
SUSAP	KFRMK3FR31	R	010SIKTEK3EA0E	I	IF			+	03100	18000		A	JS
SUSAP	KFRMK3FR31	R	020NAYIGK3EA1E	F	051TF		31020060	+	03100		RW31	K3PGA	JS
SUSAP	KFRMK3FR31	R	020NAYIGK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KFRMK3FR31	R	021CUYDAK3EA0E	S	031TF		31020042	V	0172001732	-300		A	JS
SUSAP	KFRMK3FR31	R	030RW31	K3PGOGY	M	031TF	31020016		01219	-300		A	JS
SUSAP	KFRMK3FR31	R	040UCEVAK3EA0EYM		010DF			+	03100			A	JS
SUSAP	KFRMK3FR31	R	050UCEVAK3EA0EE		HR020HM		13000040	+	03100			A	JS

CITY AND STATE FAIRMONT, MN	ELEVATION: 1162 TDZE: 1162 AIRPORT NAME: FAIRMONT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KFRMK3GRW31	0055033101	N43381972W	094243668+0000	+0325601160000059100I									

PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KFRMK3PR31	RW31 001	0000W31A0N	4338197155W	09424366820+032560300N	4338575400W	09425304200097500000000589F	400500514858BC						
SUSAP KFRMK3PR31	RW31 002E	+03537+03537L		EPV	90412	000							

MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KFRMK3SRW31	K3PG	0	18018003225	M									

CITY AND STATE FAIRMONT, MN	ELEVATION: 1162 TDZE: 1162	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: FAIRMONT MUNI			AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BANCO	BANCO	010		IF		FB				
	BANCO	RUYOR	020	IAF	TF		FB	2.0	328.4 (332T)	013.9	03100
	BANCO	SIKTE	030		TF		FB	1.0	040.2 (044T)	005.0	03100
	BLEND	BLEND	010		IF		FB				
	BLEND	VOPPU	020	IAF	TF		FB	2.0	206.0 (210T)	008.0	03100
	BLEND	SIKTE	030		TF		FB	1.0	220.3 (224T)	005.0	03100
	GRUVE	GRUVE	010		IF		FB				
	GRUVE	RUYOR	020	IAF	TF		FB	2.0	073.9 (078T)	025.2	03100
	GRUVE	SIKTE	030		TF		FB	1.0	040.2 (044T)	005.0	03100
	SIKTE	SIKTE	010		HF	R	FB		310.2 (314T)	004.0	03100
		SIKTE	010	FACF	IF		FB				03100
		NAYIG	020	FAF	TF		FB	0.5	310.2 (314T)	006.0	03100
		CUYDA	021	SDF	TF		FB	0.3	310.2 (314T)	004.2	0172001732
		RW31	030	MAP	TF		FO	0.3	310.2 (314T)	001.6	01219

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	UCEVA	040		DF		FO	1.0			03100
	UCEVA	050		HM	R	FO	2.0	130.0 (134T)	004.0	03100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BANCO	N431412.20	W0940854.82	N4314.203	W09408.914
	BLEND	N434036.58	W0940237.68	N4340.610	W09402.628
	CUYDA	N433712.88	W0942301.79	N4337.215	W09423.030
	GRUVE	N432116.91	W0945133.12	N4321.282	W09451.552
	NAYIG	N433416.83	W0941852.28	N4334.281	W09418.871
	RUYOR	N432629.94	W0941743.74	N4326.499	W09417.729
	SIKTE	N433005.00	W0941256.45	N4330.083	W09412.941
	UCEVA	N434712.62	W0943716.47	N4347.210	W09437.275
	VOPPU	N433339.86	W0940808.59	N4333.664	W09408.143
	RW31	N433819.72	W0942436.68	N4338.329	W09424.611

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01160	59

CITY AND STATE
FAIRMONT, MN

ELEVATION: 1162 TDZE: 1162
AIRPORT NAME:
FAIRMONT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:
RWY 02, 13, 20, 31, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 02, TREES BEGINNING 2466' FROM DER, 1105' RIGHT OF CENTERLINE, UP TO 100' AGL/1269' MSL.

NOTE: RWY 13, TREE 2340' FROM DER, 1039' LEFT OF CENTERLINE, 100' AGL/1269' MSL.

NOTE: RWY 20, TREES BEGINNING 1640' FROM DER, 914' RIGHT OF CENTERLINE, UP TO 100' AGL/1289' MSL. TREES BEGINNING 913' FROM DER, 449' LEFT OF CENTERLINE, UP TO 100' AGL/1299' MSL.

NOTE: RWY 31, TREES BEGINNING 954' FROM DER, 161' LEFT OF CENTERLINE, UP TO 100' AGL/1299' MSL. TREES AND ROAD BEGINNING 791' FROM DER, 339' RIGHT OF CENTERLINE, UP TO 57' AGL/1226' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

FAIRMONT, MN

(6) Airport

FAIRMONT MUNI

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

3

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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: FRM VOR/DME

CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3000 DIRECT FRM VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, LT, 132.00 INBOUND.
 FAS OBST: 1439 AAO 434503N/0943615W
 CHART VDP AT 1.90 DME;
 DISTANCE VDP TO THLD 1.68 MILES.
 FAC CROSSES RWY C/L EXTENDED 3341 FROM THLD.

1. PT L SIDE OF COURSE 312.00 OUTBOUND 2800 FT WITHIN 10 MILES OF FRM VOR/DME (IAF)
 2. _____
 3. FAC 132.00 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: FRM VOR/DME 3200

MAG VAR: 7E

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:		STANDARD	X	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	1740	1	578	1740	1	578	1740	1 1/2	578	1740	1 3/4	578						
CIRCLING	1740	1	578	1740	1	578	1740	1 1/2	578	1740	2	578						

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. JAMES ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE S-13 CAT C/D VISIBILITY AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING ST. JAMES ALTIMETER SETTING.

CITY AND STATE FAIRMONT, MN	ELEVATION: 1162 TDZE: 1162 AIRPORT NAME: FAIRMONT MUNI	FACILITY IDENTIFIER: FRM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 13, AMDT 5 07 MAY 2009	SUP VOR OR GPS RWY 13 AMDT 4A DATE 01/25/1993

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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: FRM VOR/DME

CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FRM VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 305.00 INBOUND.
 FAS OBST: 1399 AAO 433409N/0942040W
 CHART VDP AT 2.24 DME;
 DISTANCE VDP TO THLD 1.55 MILES.
 FAC 139L OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT L SIDE OF COURSE 125.00 OUTBOUND 2800 FT WITHIN 10 MILES OF FRM VOR/DME (IAF)
 2. _____
 3. FAC 305.00 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: FRM VOR/DME 3200

MAG VAR: 7E

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:		STANDARD	X	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-31		1700	1/2	538	1700	1/2	538	1700	1	538	1700	1 1/4	538					
CIRCLING		1700	1	538	1700	1	538	1700	1 1/2	538	1720	2	558					

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. JAMES ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE S-31 CAT C/D VISIBILITY AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING ST. JAMES ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE FAIRMONT, MN	ELEVATION: 1162 TDZE: 1162 AIRPORT NAME: FAIRMONT MUNI	FACILITY IDENTIFIER: FRM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 31, AMDT 8 07 MAY 2009	SUP VOR OR GPS RWY
				31
				AMDT 7A
				DATE 01/25/1993

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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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: _____

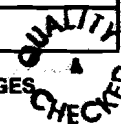
MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF:	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA							
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 07 MAY 2009

CITY AND STATE GRAND RAPIDS, MN	ELEVATION: 1355 TDZE: 1332 AIRPORT NAME: GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 16, ORIG, 01/28/1999	SUP AMDT NONE DATE



RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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											
TERMINAL ROUTES								MISSED APPROACH							
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW16 CLIMB TO 2900 DIRECT ADIER AND HOLD. ADDITIONAL FLIGHT DATA. HOLD S, RT, 343.67 INBOUND. CHART FAS OBST: 1495 STACK 471404N/0933214W APUNY TO RW16: 3.04/47.											
GPZ VOR/DME	EMIDY (FO)	342.77 / 14.26	3000												
YOBRI	ORTUC (FB)	052.31 / 9.92	3000												
SQEA (IAF)	EMIDY (NOPT) (FB)	188.73 / 29.14	3000												
ORTUC (IAF)	EMIDY (NOPT) (FB)	073.48 / 5.00	3000												
EMIDY (IF/IAF)	APUNY (FB)	163.57 / 6.30	2900												
1 PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N EMIDY, RT, 163.57 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 163.60 FAF. APUNY _____ DIST FAF TO MAP: 4.81 THLD: 4.81 4 MIN. ALT: EMIDY 3000, APUNY 2900 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. RW16 3200								MAG VAR: 2E EPOCH YEAR: 1995							
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1760	1	428	1760	1	428	1760	1 1/4	428	1760	1 1/2	428			
CIRCLING	1900	1	545	1900	1	545	1900	1 1/2	545	1920	2	565			
NOTES: CHART NOTE: CIRCLING TO RWY 10-28 AND 5-23 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SQEA VIA V217-505 NORTHWEST BOUND. SEE 8260-10															
CITY AND STATE GRAND RAPIDS, MN				ELEVATION: 1355 TDZE: 1332 AIRPORT NAME. GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 07 MAY 2009				SUP:			
												AMDT: NONE			
												DATED			

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HIBBINGS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE

GRAND RAPIDS, MN

ELEVATION: 1355 TDZE: 1332

AIRPORT NAME:

GRAND RAPIDS/ITASCA CO-GORDON
NEWSTROMFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
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.

[illegible]

CITY AND STATE GRAND RAPIDS, MN	ELEVATION: 1355 TDZE: 1332 AIRPORT NAME: GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO /EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED: 5 JUL 17

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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.

RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KGPZK3GRW16 0053321636 N47124880W093304597+1000 +0367001299042347100R-----
1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012-----
SUSAP KGPZK3SRW16 K3PG 0 18018003225 M

CITY AND STATE

GRAND RAPIDS, MN

ELEVATION: 1355 TDZE: 1332

AIRPORT NAME:

GRAND RAPIDS/ITASCA CO-GORDON
NEWSTROMFACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE

RNAV (GPS) RWY 16, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GPZ	GPZ	010		IF		FB				
	GPZ	EMIDY	020	IAF	TF		FO	2.0	342.8 (345T)	014.3	03000
	GPZ	EMIDY	030		HF	R	FO		163.6 (166T)	004.0	03000
	SQEA	SQEA	010		IF		FB				
	SQEA	EMIDY	020		DF		FB		188.7 (191T)	029.1	03000
	YOBRI	YOBRI	010		IF		FB				
	YOBRI	ORTUC	020	IAF	TF		FB	2.0	052.3 (054T)	009.9	03000
	YOBRI	EMIDY	030		TF		FB	1.0	073.5 (076T)	005.0	03000
		EMIDY	010	FACF	IF		FB				03000
		APUNY	020	PAF	TF		FB	0.5	163.6 (166T)	006.3	02900
		RW16	030	MAP	TF		FO	0.3	163.6 (166T)	004.8	01346

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ADIER	040		DF		FO	1.0			02900
	ADIER	050		HM	R	FO	2.0	343.7 (346T)	004.0	02900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GPZ	N470949.00	W0932918.80	N4709.817	W09329.313
	ADIER	N470139.66	W0932635.03	N4701.661	W09326.584
	APUNY	N471728.41	W0933231.34	N4717.474	W09332.522
	EMIDY	N472334.10	W0933449.62	N4723.568	W09334.827
	ORTUC	N472219.16	W0934157.08	N4722.319	W09341.951
	SQEA	N475210.97	W0932650.55	N4752.183	W09326.843
	YOBRI	N471632.84	W0935348.17	N4716.547	W09353.803
	RW16	N471248.80	W0933045.97	N4712.813	W09330.766

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	01299	47

CITY AND STATE
GRAND RAPIDS, MN

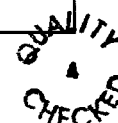
ELEVATION: 1355 TDZE: 1332
 AIRPORT NAME:
**GRAND RAPIDS/ITASCA CO-GORDON
 NEWSTROM**

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16, ORIG
07 MAY 2009

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

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 3000 DIRECT EMIDY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 163.57 INBOUND. CHART FAS OBST: 1470 TREE 471100N/0932954W DISTANCE TO THLD FROM 200 HAT: 0.44 NM. CHART VDP AT 1.43 MILES TO RW34* *LNAV ONLY. WAAS CHANNEL # 86412 REFERENCE PATH ID: W34A											
GPZ VOR/DME	ADIER (FO)	165.11 / 8.37	2900												
NEBBS (IAF)	ADIER (NOPT) (FB)	007.26 / 7.66	2900												
ADIER (IF/IAF)	DIKKA (FB)	343.67 / 6.04	2900												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S ADIER, RT, 343.67 INBOUND, 2900 FT. IN LIEU OF PT (IAF) 3. FAC: 343.64 FAF: DIKKA _____ DIST FAF TO MAP: 4.60 THLD: 4.60 4. MIN. ALT: ADIER 2900, DIKKA 2900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: DIKKA _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS CLEAR 8. MSA FROM: RW34 3200				MAG VAR: 2E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF	STANDARD	X	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	1555	1/2	200	1555	1/2	200	1555	1/2	200	1555	1/2	200			
LNAV/VNAV DA	1747	3/4	392	1747	3/4	392	1747	3/4	392	1747	3/4	392			
LNAV MDA	1860	1/2	505	1860	1/2	505	1860	1	505	1860	1	505			
CIRCLING	1900	1	545	1900	1	545	1900	1 1/2	545	1920	2	565			
NOTES: CHART NOTE: CIRCLING TO RWY 10-28 AND 5-23 NA AT NIGHT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: FOR INOPERATIVE MALS R WHEN USING KHB ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). SEE 8260-10															
CITY AND STATE		ELEVATION: 1355 TDZE: 1355		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:							
GRAND RAPIDS, MN		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 34, ORIG		AMDT: NONE							
		GRAND RAPIDS/ITASCA CO-GORDON				07 MAY 2009		DATED							
		NEWSTROM													



**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GPZ VOR/DME VIA V430 WESTBOUND AND V161 NORTHBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE HIBBINGS ALTIMETER SETTING AND INCREASE ALL DA 68 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS, LNAV CAT D, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE

GRAND RAPIDS, MN

ELEVATION: 1355 TDZE: 1355

AIRPORT NAME:

GRAND RAPIDS/ITASCA CO-GORDON
NEWSTROMFACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE

RNAV (GPS) RWY 34, ORIG

07 MAY 2009

SUP:

AMDT:

NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KGPZ
RUNWAY RW34
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W34A
LTP/FTP LATITUDE 471157.8300N
LTP/FTP LONGITUDE 0933026.7900W
LTP/FTP ELLIPSOIDAL HEIGHT +03840
FPAP LATITUDE 471253.3000N
FPAP LONGITUDE 0933047.6600W
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 0016
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

7C201DC3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +04129
FPAP ORTHOMETRIC HEIGHT +04129

CITY AND STATE

GRAND RAPIDS, MN

ELEVATION: 1355 TDZE: 1355

AIRPORT NAME:

GRAND RAPIDS/ITASCA CO-GORDON
NEWSTROM

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

07 MAY 2009

SUP.

AMDT: NONE

DATED:

QUALITY
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.

1 2 3 4 5 6 7 8 9 0 1 2 3

DATED

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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PP 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KGPZK3PR34 RW34 001 0000W34A0N4711578300W09330267900+038400300N4712533000W09330476600106750016000600F4003507C201DC3
SUSAP KGPZK3PR34 RW34 002E +04129+04129LPV 86412 000

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KGPZK3SRW34 K3PG			0	18018003225							M	

CITY AND STATE GRAND RAPIDS, MN	ELEVATION: 1355 TDZE: 1355 AIRPORT NAME: GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE. RNAV (GPS) RWY 34, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GPZ	GPZ	010		IF		FB				
	GPZ	ADIER	020	IAF	TF		FO	2.0	165.1 (167T)	008.4	02900
	GPZ	ADIER	030		HF	R	FO		343.7 (346T)	004.0	02900
	NEBBS	NEBBS	010	IAF	IF		FB				
	NEBBS	ADIER	020		TF		FB	1.0	007.3 (009T)	007.7	02900
		ADIER	010	FACF	IF		FB				02900
		DIKKA	020	FAF	TF		FB	0.5	343.7 (346T)	006.0	02900
		RW34	030	MAP	TF		FO	0.3	343.6 (346T)	004.6	01415

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EMIDY	040		TF		FO	1.0			03000
	EMIDY	050		HM	R	FO	2.0	163.6 (166T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GPZ	N470949.00	W0932918.80	N4709.817	W09329.313
	ADIER	N470139.66	W0932635.03	N4701.661	W09326.584
	DIKKA	N470730.31	W0932846.30	N4707.505	W09328.772
	EMIDY	N472334.10	W0933449.62	N4723.568	W09334.827
	NEBBS	N465406.29	W0932823.16	N4654.105	W09328.386
	RW34	N471157.83	W0933026.79	N4711.964	W09330.447

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	01355	60

CITY AND STATE
 GRAND RAPIDS, MN

ELEVATION: 1355 TDZE: 1355
 AIRPORT NAME:
 GRAND RAPIDS/ITASCA CO-GORDON
 NEWSTROM

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 34, ORIG
 07 MAY 2009

SUP:	
AMDT:	NONE
DATED:	07 MAY 2009

CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: 6.26 MILES AFTER RAIZE LOM OR AT EKOJO/INL VORTAC 0.93 DME FIX CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3400 DIRECT RAIZE LOM/INL VORTAC 7.18 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3300 VIA INL VORTAC R-310 TO HODEV/INL 14.00 DME AND HOLD NW, RT, 130.30 INBOUND. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 312.91 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW HODEV/INL VORTAC 14.00 DME, RT, 130.30 INBOUND. CHART FAS OBST: 1233 TREE 483321N/0932300W CHART INL R-071 AT CIVLU. CHART INL R-176 AT WANRI. CHART IN PLANVIEW: HODEV/INL VORTAC 14.00 DME.							
INL VORTAC	RAIZE LOM/INL VORTAC 7.18 DME	129.14 / 7.18						3400									
WANRI/INL VORTAC 14.00 DME CCW (IAF)	ZAVBA/INL VORTAC 14.00 DME (NOPT)	14.00 DME ARC (INL LR-138)						3400									
CIVLU/INL VORTAC 14.00 DME CW (IAF)	ZAVBA/INL VORTAC 14.00 DME (NOPT)	14.00 DME ARC (INL LR-121)						3400									
ZAVBA/INL VORTAC 14.00 DME (IF)	RAIZE LOM/INL VORTAC 7.18 DME	312.91 / 6.82 (I-INL)						3400									
1. PT <u>L</u> SIDE OF COURSE <u>132.91</u> OUTBOUND <u>3400</u> FT WITHIN <u>10</u> MILES OF <u>RAIZE LOM</u> (IAF) 2. _____ 3. FAC: <u>312.91</u> FAF: <u>RAIZE LOM/INL VORTAC 7.18 DME</u> DIST FAF TO MAP: <u>6.26</u> THLD: <u>6.46</u> 4. MIN. ALT: <u>RAIZE LOM 3400, ALETE/INL VORTAC 2.22 DME 1620*</u> 5. DIST TO THLD FROM OM: <u>6.46</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>904</u> 6. MIN GS INCPT: <u>3400</u> GS ALT AT: <u>GS INTCP 3400</u> OM: <u>3307</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.1</u> 8. MSA FROM: <u>IN LOM 2800</u>										MAG VAR: 3E EPOCH YEAR: 1985							
MINIMUMS																	
TAKEOFF:	STANDARD	X	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		
S-ILS 31	1366	1/2	200	1366	1/2	200	1366	1/2	200	1366	1/2	200					
S-LOC 31	1620	1/2	454	1620	1/2	454	1620	3/4	454	1620	1	454					
CIRCLING	1620	1	435	1680	1	495	1680	1 1/2	495	1780	2	595					
ALETE FIX MINIMUMS																	
S-LOC 31	1520	1/2	354	1520	1/2	354	1520	1/2	354	1520	3/4	354					
CIRCLING	1620	1	435	1680	1	495	1680	1 1/2	495	1780	2	595					
NOTES: CHART NOTE: CIRCLING TO RWY 4-22 NA AT NIGHT. CHART NOTE: ADF REQUIRED. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2250 FEET. *1760 WHEN USING BAUDETTE ALTIMETER SETTING. SEE 8260-10																	
CITY AND STATE		ELEVATION: 1185 TDZE: 1166				FACILITY IDENTIFIER: I-INL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
INTERNATIONAL FALLS, MN		AIRPORT NAME:						ILS OR LOC RWY 31, AMDT 10				AMDT: 9A					
		FALLS INTL						07 MAY 2009				DATED 10/23/2008					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - FAR 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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BAUDETTE ALTIMETER SETTING AND INCREASE

DA 127 FEET AND S-ILS VISIBILITY 1/4 MILE ALL CATS; INCREASE ALL MDA 140 FEET AND INCREASE ALL

CAT C/D VISIBILITY 1/4 MILE.

CITY AND STATE

INTERNATIONAL FALLS, MN

ELEVATION: 1185 TDZE: 1166

AIRPORT NAME:

FALLS INTL

FACILITY
IDENTIFIER:

I-INL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 31, AMDT 10

07 MAY 2009

SUP:

AMDT: 9A

DATED: 10/23/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
JONNA (IAF)	PUHCI (FB)	022.78 / 21.55	3000	LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 3100 DIRECT JUDAL AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 268.96 INBOUND. CHART FAS OBST: 1065 OL WATER TANK 450811N/0931420W DISTANCE TO THLD FROM 315 HAT: 0.88 NM. WAAS CHANNEL # 82312 REFERENCE PATH ID: W09A CHART 1530 TOWER 451043N/0932100W
SODIE (IAF)	PUHCI (FB)	127.46 / 20.89	3000	
PUHCI (IF)	CIRAP (FB)	088.51 / 6.10	2700	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT PUHCI
 3. FAC: 088.61 FAF: CIRAP DIST FAF TO MAP: 5.43 THLD: 5.43
 4. MIN. ALT: PUHCI 3000, CIRAP 2700
 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: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
 8. MSA FROM: RW09 3500

MAG VAR: 2E

EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	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	1225	1 1/4	315	1225	1 1/4	315	1225	1 1/4	315	1225	1 1/4	315			
LNAV/VNAV DA	1352	1 1/2	442	1352	1 1/2	442	1352	1 1/2	442	1352	1 1/2	442			
LNAV MDA	1320	1	410	1320	1	410	1320	1 1/4	410	1320	1 1/4	410			
CIRCLING	1400	1	488	1400	1	488	1400	1 1/2	488	1480	2	568			

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING CRYSTAL ALTIMETER SETTING.

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 NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 912 TDZE: 910 AIRPORT NAME: ANOKA COUNTY-BLAINE ARPT (JANES FIELD)	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CRYSTAL ALTIMETER SETTING AND INCREASE ALL DA 25 FEET, ALL MDA 40 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV CAT D 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SODIE VIA V2 NORTHWEST BOUND.**

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 912 TDZE: 910

AIRPORT NAME:

ANOKA COUNTY-BLAINE ARPT (JANES FIELD)

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

**RNAV (GPS) 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 KANE
RUNWAY RW09
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09A
LTP/FTP LATITUDE 450841.3495N
LTP/FTP LONGITUDE 0931312.2765W
LTP/FTP ELLIPSOIDAL HEIGHT +02485
FPAP LATITUDE 450840.2300N
FPAP LONGITUDE 0931106.3900W
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 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

82D5B302

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +02759
FPAP ORTHOMETRIC HEIGHT +02759

QUALITY
7
CHECKED

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 912 TDZE: 910 AIRPORT NAME: ANOKA COUNTY-BLAINE ARPT (JANES FIELD)	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 912 TDZE: 910 AIRPORT NAME: ANOKA COUNTY-BLAINE ARPT (JANES FIELD)	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JONNA	JONNA	010	IAF	IF		FB				
	JONNA	PUHCI	020		TF		FB	1.0	022.8 (025T)	021.6	03000
	SODIE	SODIE	010	IAF	IF		FB				
	SODIE	PUHCI	020		TF		FB	1.0	127.5 (130T)	020.9	03000
		PUHCI	010	FACF	IF		FB				03000
		CIRAP	020	FAF	TF		FB	0.5	088.5 (091T)	006.1	02700
		RW09	030	MAP	TF		FB	0.3	088.6 (091T)	005.4	00945

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JUDAL	040		DF		FO	1.0			03100
	JUDAL	050		HM	R	FO	2.0	269.0 (271T)	004.0	03100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIRAP	N450845.06	W0932052.46	N4508.751	W09320.874
	JONNA	N444915.47	W0934215.26	N4449.258	W09342.254
	JUDAL	N450827.11	W0924953.93	N4508.452	W09249.899
	PUHCI	N450848.63	W0932929.66	N4508.811	W09329.494
	SODIE	N452207.48	W0935217.11	N4522.125	W09352.285
	RW09	N450841.35	W0931312.28	N4508.689	W09313.205

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00905	40

CITY AND STATE
MINNEAPOLIS, MN

ELEVATION: 912 TDZE: 910
 AIRPORT NAME:
 ANOKA COUNTY-BLAINE ARPT (JANES FIELD)

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 9, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GEP VORTAC	CEXUM (FO)	033.01 / 12.25	2600	LNAV: RW18 CLIMBING LEFT TURN TO 2600 DIRECT CEXUM AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1070 TOWER 451148N/0931220W DOZXU TO RW18: 3.00/50
DOCKN (IAF)	CEXUM (NOPT) (FB)	137.03 / 11.85	2600	
CINCI (IAF)	CEXUM (NOPT) (FB)	251.58 / 15.59	2600	
CEXUM (IF/IAF)	DOZXU (FB)	178.68 / 6.10	2100	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N CEXUM, RT, 178.68 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 178.68 FAF: DOZXU DIST FAF TO MAP: 3.57 THLD: 3.57
4. MIN. ALT: CEXUM 2600, DOZXU 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 NOT CLEAR
8. MSA FROM: RW18 3500

MAG VAR: 2E

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	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	1380	1	468	1380	1	468	1380	1 1/4	468	1380	1 1/2	468				
CIRCLING	1400	1	488	1400	1	488	1400	1 1/2	488	1480	2	568				

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

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

ALL MDA 40 FEET, INCREASE LNAV CAT C VISIBILITY 1/4 MILE.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 912 TDZE: 912 AIRPORT NAME: ANOKA COUNTY-BLAINE ARPT (JANES FIELD)	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GEP VORTAC VIA AIRWAY RADIALS 333 CW 085.

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 912 TDZE: 912

AIRPORT NAME:

ANOKA COUNTY-BLAINE ARPT (JANES FIELD)

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 912 TDZE: 912 AIRPORT NAME: ANOKA COUNTY-BLAINE ARPT (JANES FIELD)	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CINCI	CINCI	010	IAF	IF		FB				
	CINCI	CEXUM	020		TF		FB	1.0	251.6 (254T)	015.6	02600
	DOCKN	DOCKN	010	IAF	IF		FB				
	DOCKN	CEXUM	020		TF		FB		137.0 (139T)	011.9	02600
	GEP	GEP	010		IF		FB				
	GEP	CEXUM	020	IAF	TF		FO	2.0	033.0 (035T)	012.3	02600
	GEP	CEXUM	030		HF	R	FO		178.7 (181T)	004.0	02600
		CEXUM	010	FACF	IF		FB				02600
		DOZXU	020	FAF	TF		FB	0.5	178.7 (181T)	006.1	02100
		RW18	030	MAP	TF		FO	0.3	178.7 (181T)	003.6	00962

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CEXUM	040		DF	L	FO	0.3			02600
	CEXUM	050		HM	R	FO	2.0	178.7 (181T)	004.0	02600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GEP	N450844.47	W0932223.45	N4508.741	W09322.391
	CEXUM	N451846.15	W0931225.81	N4518.769	W09312.430
	CINCI	N452312.56	W0925114.24	N4523.209	W09251.237
	DOCKN	N452743.57	W0932326.63	N4527.726	W09323.444
	DOZXU	N451240.17	W0931231.98	N4512.670	W09312.533
	RW18	N450906.08	W0931235.57	N4509.101	W09312.593

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00912	50

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 912 TDZE: 912	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 18, ORIG	AMDT: NONE
	ANOKA COUNTY-BLAINE ARPT (JANES FIELD)		07 MAY 2009	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 6.50 MILES AFTER GEP VORTAC OR AT 6.50 DME FIX									
										CLIMBING LEFT TURN TO 3000 DIRECT GEP VORTAC AND HOLD.									
										ADDITIONAL FLIGHT DATA: HOLD W, RT, 084.00 INBOUND. CHART FAS OBST: 1065 OL WATER TANK 450811N/0931420W GEP VORTAC TO RW09: 2.97/45									
1. PT <u>L</u> SIDE OF COURSE <u>264.40</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>GEP VORTAC</u> (IAF) 2. _____ 3. FAC <u>084.40</u> FAF <u>GEP VORTAC</u> DIST FAF TO MAP <u>6.50</u> THLD <u>6.50</u> 4. MIN. ALT <u>GEP VORTAC 3000</u> 8. MSA FROM: <u>GEP VORTAC 3500</u>										MAG VAR: 6E EPOCH YEAR: 1965									
MINIMUMS																			
TAKEOFF:		STANDARD		X		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-9		1380	1	470	1380	1	470	1380	1 1/4	470	1380	1 1/2	470						
CIRCLING		1400	1	488	1400	1	488	1400	1 1/2	488	1480	2	568						
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CRYSTAL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND S-9 CAT C VISIBILITY 1/4 MILE. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																			
CITY AND STATE MINNEAPOLIS, MN		ELEVATION: 912 TDZE: 910 AIRPORT NAME: ANOKA COUNTY-BLAINE ARPT (JANES FIELD)				FACILITY IDENTIFIER: GEP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 9, AMDT 12 07 MAY 2009				SUP VOR OR GPS RWY 9 AMDT 11A DATE 11/23/2006							

 QUALITY
 9
 2

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD E TOURI, RT, 264.43 INBOUND, 2800 FT. IN LIEU OF PT (IAF)				
3. FAC	264.43	FAF TOURI/GEP 13.00 DME	DIST FAF TO MAP		5.68 THLD 5.68
4. MIN. ALT	TOURI 2800, NUFFY/GEP 11.00 DME 2120				
8. MSA FROM:	GEP VORTAC 3500				

MAG VAR: 6E

EPOCH YEAR: 1965

NOTES:	
CHART NOTE: DME REQUIRED.	@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CRYSTAL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.	
CHART NOTE: VDP NA WHEN USING CRYSTAL ALTIMETER SETTING.	

FAA FORM 8260-5 / December 2002 (computer generated) PAGE 1 OF 1 PAGES

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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: ☐ STANDARD ☒ 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 07 MAY 2009																	
CITY AND STATE MINNEAPOLIS, MN				ELEVATION: 912 TDZE: 912 AIRPORT NAME: ANOKA CO-BLAINE (JANES FIELD)				FACILITY IDENTIFIER: GEP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RNAV OR GPS RWY 18, AMDT 3A 10/19/98						SUP AMDT 3 DATE 06/18/1998	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW08 CLIMB TO 4000 DIRECT FLWR AND VIA 091.13 TRACK TO ELO VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 291.12 INBOUND. FAS OBST: 1649 AAO 474845N/0922333W CHART P-205. FLOGG TO RW08: 3.05/40. CHART COOK AWOS-3 118.175
UDORY	MACLE (FB)	292.93 / 60.72	4000	
HIB VOR/DME	MACLE (FB)	012.67 / 25.96	4000	
INKER (IAF)	AZARA (FB)	106.94 / 18.85	4000	
MACLE (IAF)	AZARA (FB)	358.09 / 5.00	4000	
AZARA (IF)	FLOGG (FB)	087.98 / 6.10	3200	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT **AZARA**
- FAC: **088.09** FAF: **FLOGG** DIST FAF TO MAP: 5.55 THLD: 5.55
- MIN. ALT: **AZARA 4000, FLOGG 3200**
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: **34:1 IS CLEAR**
- MSA FROM: **RW08 3400**

MAG VAR: **1W**

EPOCH YEAR: **2010**

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	☒									
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	1960	1	591	1960	1	591	1960	1 1/2	591		NA				
CIRCLING	2120	1	750	2120	1 1/4	750	2120	2 1/4	750		NA				

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: USE COOK ALTIMETER SETTING, WHEN NOT RECEIVED, USE ELY ALTIMETER SETTING AND INCREASE

ALL MDA 20 FEET AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE.

SEE 8260-10

CITY AND STATE	ELEVATION: 1370 TDZE: 1369	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TOWER, MN	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 8, ORIG	AMDT: NONE
	TOWER MUNI		07 MAY 2009	DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: PROCEDURE NA FOR ARRIVALS ON HIB VOR/DME AIRWAY RADIALS 317 CW 338 AND AT INKER VIA V129 NORTH BOUND.

CITY AND STATE

TOWER, MN

ELEVATION: 1370 TDZE: 1369

AIRPORT NAME:

TOWER MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	ELO	K3010960V	N47491883W	091494850	N47491883W	091494850	E000001489	NARELY					
SUSAD	HIB	K3011080V	N47180546W	092421468	N47180546W	092421468	E002001350	NARHIBBING					

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	AZARA	K30	W	N47482899W	092345047		W0002	NAR	AZARA				
SUSAEENRT	FLOGG	K30	W	N47484793W	092254806		W0003	NAR	FLOGG				
SUSAEENRT	FLWER	K30	W	N47492210W	092083263		W0006	NAR	FLWER				
SUSAEENRT	INKER	K30	C	L N47534251W	093014403		E0001	NAR	INKER				
SUSAEENRT	MACLE	K30	W	N47432955W	092342791		W0002	NAR	MACLE				
SUSAEENRT	UDORY	K30	W	L N47211987W	091110170		W0014	NAR	UDORY				

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 12D	K3A12D	0	034YHN47490536W	092170984W	001001370	1800018000C	MNAR	TOWER MUNI					

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 12D	K3FR08	AHIB	010HIB	K3D 0V	IF					18000		B JS	
SUSAP 12D	K3FR08	AHIB	020MACLEK3EA0E	A 020TF			01270260	+ 04000				B JS	
SUSAP 12D	K3FR08	AHIB	030AZARAK3EA0EE	010TF			35810050	+ 04000				B JS	
SUSAP 12D	K3FR08	AINKER	010INKERK3EA0E	A IF						18000		B JS	
SUSAP 12D	K3FR08	AINKER	020AZARAK3EA0EE	010TF			10690189	+ 04000				B JS	
SUSAP 12D	K3FR08	AUDORY	010UDORYK3EA0E	IF						18000		B JS	
SUSAP 12D	K3FR08	AUDORY	020MACLEK3EA0E	A 020TF			29290607	+ 04000				B JS	
SUSAP 12D	K3FR08	AUDORY	030AZARAK3EA0EE	010TF			35810050	+ 04000				B JS	
SUSAP 12D	K3FR08	R	010AZARAK3EA0E	I IF				+ 04000		18000		B JS	
SUSAP 12D	K3FR08	R	020FLOGGK3EA1E	F 051TF			08800061	+ 03200			RW08	K3PGB JS	
SUSAP 12D	K3FR08	R	020FLOGGK3EA2WN		N	ALNAV						JS	
SUSAP 12D	K3FR08	R	030RW08	K3PGOGY M 031TF			08810056	01406		-305		B JS	
SUSAP 12D	K3FR08	R	040FLWERK3EA0E	M DF								B JS	
SUSAP 12D	K3FR08	R	050ELO	K3D 0VY TF			0911	+ 04000				B JS	
SUSAP 12D	K3FR08	R	060ELO	K3D 0VE HL020HM			29110040	+ 04000				B JS	

CITY AND STATE

TOWER, MN

ELEVATION: 1370 TDZE: 1369

AIRPORT NAME:

TOWER MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP 12D K3GRW08	0034000882	N47490454W092173472+0100	+0385501366000040075R									

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP 12D K3SRW08 K3PG	0 18018003425										M	

CITY AND STATE

TOWER, MN

ELEVATION: 1370 TDZE: 1369

AIRPORT NAME:

TOWER MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HIB	HIB	010		IF		FB				
	HIB	MACLE	020	IAF	TF		FB	2.0	012.7 (012T)	026.0	04000
	HIB	AZARA	030		TF		FB	1.0	358.1 (357T)	005.0	04000
	INKER	INKER	010	IAF	IF		FB				
	INKER	AZARA	020		TF		FB	1.0	106.9 (106T)	018.9	04000
	UDORY	UDORY	010		IF		FB				
	UDORY	MACLE	020	IAF	TF		FB	2.0	292.9 (292T)	060.7	04000
	UDORY	AZARA	030		TF		FB	1.0	358.1 (357T)	005.0	04000
		AZARA	010	FACF	IF		FB				04000
		FLOGG	020	FAF	TF		FB	0.5	088.0 (087T)	006.1	03200
		RW08	030	MAP	TF		FO	0.3	088.1 (087T)	005.6	01406

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FLWER	040		DF		FB				
	ELO	050		TF		FO		091.1 (090T)		04000
	ELO	060		HM	L	FO	2.0	291.1 (290T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ELO	N474918.83	W0914948.50	N4749.314	W09149.808
	HIB	N471805.46	W0924214.68	N4718.091	W09242.245
	AZARA	N474828.99	W0923450.47	N4748.483	W09234.841
	FLOGG	N474847.93	W0922548.06	N4748.799	W09225.801
	FLWER	N474922.10	W0920832.63	N4749.368	W09208.544
	INKER	N475342.51	W0930144.03	N4753.709	W09301.734
	MACLE	N474329.55	W0923427.91	N4743.493	W09234.465
	UDORY	N472119.87	W0911101.70	N4721.331	W09111.028
	RW08	N474904.54	W0921734.72	N4749.076	W09217.579

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	01366	40

CITY AND STATE
TOWER, MN

ELEVATION: 1370 TDZE: 1369
 AIRPORT NAME:
 TOWER MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 8, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES				MISSED APPROACH													
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW26 CLIMBING LEFT TURN TO 4000 DIRECT KUMDE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 014.10 INBOUND. CHART FAS OBST: 1806 LOOKOUT TOWER 474849N/0921255W CHART: 1969 TOWER 475037N/0920932W CHART P-205. FLWER TO RW26: 3.04/40. CHART: COOK AWOS-3 118.175.													
TOEGO	KUMDE (FB)	093.25 / 41.68	4000														
HIB VOR/DME	KUMDE (FB)	057.67 / 39.51	4000														
UDORY	KUMDE (FB)	303.75 / 34.06	4000														
KUMDE (IAF)	OBREW (FB)	338.77 / 10.85	4000														
OBREW (IF)	FLWER (FB)	268.41 / 6.10	3200														
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT OBREW 3. FAC: <u>268.30</u> FAF: <u>FLWER</u> DIST FAF TO MAP: <u>5.54</u> THLD: <u>5.54</u> 4. MIN. ALT: <u>OBREW 4000, FLWER 3200</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> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW26 3400</u>				MAG VAR: 1W EPOCH YEAR: 2010													
MINIMUMS																	
TAKEOFF: ☐ STANDARD ☒ 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		
LNAV MDA	2100	1	730	2100	1	730	2100	2	730		NA						
CIRCLING	2120	1	750	2120	1 1/4	750	2120	2 1/4	750		NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KUMDE VIA V177 SOUTHBOUND. SEE 8260-10																	
CITY AND STATE				ELEVATION: 1370 TDZE: 1370				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
TOWER, MN				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 26, ORIG				AMDT: NONE	
				TOWER MUNI								07 MAY 2009				DATED	

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: USE COOK ALTIMETER SETTING, WHEN NOT RECEIVED, USE ELY ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET AND INCREASE CAT B AND C VISIBILITY 1/4 MILE.

CITY AND STATE

TOWER, MN

ELEVATION: 1370 TDZE: 1370

AIRPORT NAME:

TOWER MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 12D K3FR26	AHIB	010HIB	K3D	0V	IF					19000		B JS	G
SUSAP 12D K3FR26	AHIB	020KUMDEK3EA0E	A	020TF			05770395	+	04000			B JS	G
SUSAP 12D K3FR26	AHIB	0300BREWK3EA0EE	010TF				33880109	+	04000			B JS	G
SUSAP 12D K3FR26	ATOEGO	010TOEGOK3EA0E	IF							18000		B JS	G
SUSAP 12D K3FR26	ATOEGO	020KUMDEK3EA0E	A	020TF			09330417	+	04000			B JS	G
SUSAP 12D K3FR26	ATOEGO	0300BREWK3EA0EE	010TF				33880109	+	04000			B JS	G
SUSAP 12D K3FR26	AUDORY	010UDORYK3EA0E	IF							18000		B JS	G
SUSAP 12D K3FR26	AUDORY	020KUMDEK3EA0E	A	020TF			30380341	+	04000			B JS	G
SUSAP 12D K3FR26	AUDORY	0300BREWK3EA0EE	010TF				33880109	+	04000			B JS	G
SUSAP 12D K3FR26	R	0100BREWK3EA0E	I	IF				+	04000	19000		B JS	G
SUSAP 12D K3FR26	R	020FLWERK3EA1E	F	051TF			26840061	+	03200		RW26	K3PGB JS	G
SUSAP 12D K3FR26	R	020FLWERK3EA2WN			N	ALNAV						JS	G
SUSAP 12D K3FR26	R	030RW26	K3PGOGY	M	031TF		26830055		01410	-304		B JS	G
SUSAP 12D K3FR26	R	040KUMDEK3EA0EYM	L	DF				+	04000			B JS	G
SUSAP 12D K3FR26	R	050KUMDEK3EA0EE	HR020HM				01410040	+	04000			B JS	G

1	2	3	4	5	6	7	8	9	0	1	2	3

CITY AND STATE TOWER, MN	ELEVATION: 1370 TDZE: 1370 AIRPORT NAME: TOWER MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

RNAV (GPS) 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.

SUSAP 12D K3GRW26 0034002682 N47490618W092164496-0100 +03865013700000C40075R G

SUSAP 12D K3SEW26 K3PG	0	18018003425	M	G

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

APINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HIB	HIB	010		IF		FB				
	HIB	KUMDE	020	IAF	TF		FB	2.0	057.7 (057T)	039.5	04000
	HIB	OBREW	030		TF		FB	1.0	239.9 (338T)	010.9	04000
	TOEGO	TOEGO	010		IF		FB				
	TOEGO	KUMDE	020	IAF	TF		FB	2.0	093.3 (092T)	041.7	04000
	TOEGO	OBREW	030		TF		FB	1.0	338.8 (338T)	010.9	04000
	UDORY	UDORY	010		IF		FB				
	UDORY	KUMDE	020	IAF	TF		FB	2.0	303.8 (303T)	034.1	04000
	UDORY	OBREW	030		TF		FB	1.0	338.9 (338T)	010.9	04000
		OBREW	010	FACF	IF		FB				04000
		FLWER	020	FAF	TF		FB	0.5	268.4 (267T)	006.1	03200
		RW26	030	MAP	TF		FO	0.3	268.3 (267T)	005.5	01410

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KUMDE	040		DF	L	FO				04000
	KUMDE	050		HM	R	FO	2.0	014.1 (013T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIB	N471805.46	W0924214.68	N4718.091	W09242.245
	FLWER	N474922.10	W0920832.63	N4749.368	W09208.544
	KUMDE	N473937.02	W0915324.72	N4739.617	W09153.412
	OBREW	N474938.97	W0915930.06	N4749.650	W09159.501
	TOEGO	N474131.74	W0925501.15	N4741.529	W09255.019
	UDORY	N472119.87	W0911101.70	N4721.331	W09111.028
	RW26	N474906.18	W0921644.96	N4749.103	W09216.749

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	01370	40

CITY AND STATE
TOWER, MN

ELEVATION: 1370 TDZE: 1370
 AIRPORT NAME:
 TOWER MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 26, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 8, NA - OBSTACLES.

RWY 26, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 26, TREE 2315' FROM DER, 700' RIGHT OF CENTERLINE, 100' AGL/1479' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

TOWER, MN

(6) Airport

TOWER MUNI

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

ORIG

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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-COU 1.25 DME FIX CLIMB TO 2700 VIA I-COU NORTH COURSE TO BOVEN/I-COU 5.50 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 198.44 INBOUND. CHART FAS OBST: 959 POWERLINE 384710N/0921420W CHART (CFISG) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE DISTANCE VDP TO THLD 0.88 MILES. CHART VDP AT 2.13 DME;	
COU VOR/DME	ZODIA LOM/I-COU 6.95 DME	199.65 / 6.11	2700		
HLV VORTAC	ZODIA LOM/I-COU 6.95 DME	189.47 / 24.68	2700		
MIZZU/HLV 36.05 DME (IAF)	CATIL/I-COU 12.97 DME (NOPT)	098.00 / 7.31 (HDG) & 018.44 / 3.88 (I-COU) (COU LR-205.69)	3000		
CATIL/I-COU 12.97 DME (IF/IAF)	ZODIA LOM/I-COU 6.95 DME	018.44 / 6.02 (I-COU)	2700		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S ZODIA LOM, LT, 018.44 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 018.44 FAF: ZODIA LOM/I-COU 6.95 DME DIST FAF TO MAP: <u> </u> THLD: 5.70 4. MIN. ALT: ZODIA LOM 2700 5. DIST TO THLD FROM OM: 5.70 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1150 6. MIN GS INCPT: 2700 GS ALT AT: GS INTCP OM: 2684 MM: - IM: - 7. GS ANGLE: 2.83 TCH: 58.2 8. MSA FROM: CO LOM 3900					
				MAG VAR: 3E EPOCH YEAR: 1990	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A
			ILS: STANDARD #		LOC: STANDARD @
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 2	* 1089	2400	200	* 1089	2400
S-LOC 2	1220	2400	331	1220	2400
CIRCLING	1300	1	411	1340	1
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 2 CAT D VISIBILITY TO RVR 5000. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEFFERSON CITY ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET AND INCREASE S-LOC 2 CAT C VISIBILITY TO 4000 FEET. CHART PROFILE NOTE: USE I-COU DME WHEN ON LOC COURSE. SEE 8260-10					
CITY AND STATE COLUMBIA, MO		ELEVATION: 889 TDZE: 889 AIRPORT NAME: COLUMBIA RGNL		FACILITY IDENTIFIER: I-COU	
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 2, AMDT 14 07 MAY 2009				SUP: ILS RWY 2 AMDT: 13B DATED 05/10/2007	



**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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.

*RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

CHART NOTE: VDP NA WHEN USING JEFFERSON CITY ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING JEFFERSON CITY ALTIMETER SETTING, INCREASE S-ILS 2

ALL CATS VISIBILITY TO 1 MILE.

CHART NOTE: DME REQUIRED.

CHART PLANVIEW NOTE: DME REQUIRED.

CITY AND STATE

COLUMBIA, MO

ELEVATION: 889 TDZE: 889

AIRPORT NAME: COLUMBIA RGNL

FACILITY
IDENTIFIER:
I-COU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 2, AMDT 14

07 MAY 2009

SUP: ILS RWY 2

AMDT: 13B

DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA _____													
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 07 MAY 2009

QUALITY
CHECKED

CITY AND STATE CLARKSDALE, MS	ELEVATION: 173 TDZE: 173 AIRPORT NAME: FLETCHER FIELD	FACILITY IDENTIFIER: CKM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 36, AMDT 9A, 08/03/2006	SUP NDB OR GPS RWY 36 AMDT 9 DATE 07/07/05

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW36L CLIMB TO 2000 DIRECT EZOMY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.99 INBOUND. CHART FAS OBST: 237 TREE 332751N/0905920W DISTANCE TO THLD FROM 337 HAT: 0.93 NM. CHART VDP AT 1.16 MILES TO RW36L* *LNAV ONLY. WAAS CHANNEL # 77611 REFERENCE PATH ID: W36A							
FISES (IAF)		KEVNE (NOPT) (FB)		086.93 / 5.00		2000									
JUDIM (IAF)		KEVNE (NOPT) (FB)		267.04 / 5.00		2000									
KEVNE (IF/IAF)		IMOYO (FB)		356.99 / 6.07		1800									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S KEVNE, RT, 356.99 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>356.99</u> FAF: <u>IMOYO</u> DIST FAF TO MAP: <u>5.05</u> THLD: <u>5.05</u> 4. MIN. ALT: <u>KEVNE 2000, IMOYO 1800, ZASEL/3.10 NM TO RW36L 1160*</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> </u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>IMOYO</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>								MAG VAR: 3E EPOCH YEAR: 1990							
MINIMUMS															
TAKEOFF:	STANDARD	X	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	467	1 1/4	337	467	1 1/4	337	467	1 1/4	337	467	1 1/4	337			
LNAV/VNAV DA	512	1 1/4	382	512	1 1/4	382	512	1 1/4	382	512	1 1/4	382			
LNAV MDA	540	1	410	540	1	410	540	1 1/4	410	540	1 1/4	410			
CIRCLING	600	1	469	600	1	469	600	1 1/2	469	700	2	569			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY SEE 8260-10															
CITY AND STATE		ELEVATION: 131 TDZE: 130				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
GREENVILLE, MS		AIRPORT NAME: MID DELTA RGNL				RNAV		RNAV (GPS) RWY 36L, ORIG-A				AMDT: ORIG			
								07 MAY 2009				DATED 04/09/2009			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREENWOOD ALTIMETER SETTING AND INCREASE LPV DA TO 576, INCREASE LNAV/VNAV DA TO 621, INCREASE ALL MDA 120 FEET, INCREASE LPV VISIBILITY ALL CATS 1/4 MILE, INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/2 MILE, INCREASE LNAV CAT C VISIBILITY 1/4 MILE, LNAV CAT D VISIBILITY 1/2 MILE, AND INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE.

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

TAA

	FROM	TO	ALT
1.	267/30 CW 087/30 (NOPT)	KEVNE (IF/IAF) (FB)	2000
2.	087/30 CW 177/30	FISES (IAF) (FB)	2000
3.	177/30 CW 267/30	177/10 CW 267/10	3200
	177/10 CW 267/10	JUDIM (IAF) (FB)	2000

CITY AND STATE

GREENVILLE, MS

ELEVATION: 131 TDZE: 130

AIRPORT NAME: MID DELTA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36L, ORIG-A

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 04/09/2009

RNAV (GPS) 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 KGLH
RUNWAY RW36L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 332829.5900N
LTP/FTP LONGITUDE 0905913.9800W
LTP/FTP ELLIPSOIDAL HEIGHT +00129
FPAP LATITUDE 332958.8600N
FPAP LONGITUDE 0905914.0000W
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 0608
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

36ECC47C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00396
FPAP ORTHOMETRIC HEIGHT +00396

CITY AND STATE

GREENVILLE, MS

ELEVATION: 131 TDZE: 130
AIRPORT NAME: MID DELTA RGNLFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36L, ORIG-A

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 04/09/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

PAGE 4 OF 6 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

SUSAP KGLHK7PR36L RW36L001 0000W36A0N3328295900W09059139800+001290300N3329588600W09059140000106750608000400F40050036ECC47C
SUSAP KGLHK7PR36L RW36L002E +00396+00396LPV 77611 000

CITY AND STATE
GREENVILLE, MS

ELEVATION: 131 TDZE: 130
AIRPORT NAME: MID DELTA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36L, ORIG-A
07 MAY 2009

SUP:
AMDT: ORIG
DATED: 04/09/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FISES	FISES	010	IAF	IF		FB				
	FISES	KEVNE	020		TF		FB	1.0	086.9 (090T)	005.0	02000
	JUDIM	JUDIM	010	IAF	IF		FB				
	JUDIM	KEVNE	020		TF		FB	1.0	267.0 (270T)	005.0	02000
	KEVNE	KEVNE	010		HF	R	FB		357.0 (360T)	004.0	02000
		KEVNE	010	FACF	IF		FB				02000
		IMOYO	020	FAF	TF		FB	0.5	357.0 (360T)	006.1	01800
		ZASEL	021	SDF	TF		FB	0.3	357.0 (360T)	002.0	0116001166
		RW36L	030	MAP	TF		FO	0.3	357.0 (360T)	003.1	00170

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EZOMY	040		DF		FO	1.0			02000
	EZOMY	050		HM	R	FO	2.0	177.0 (180T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EZOMY	N334047.46	W0905914.14	N3340.791	W09059.236
	FISES	N331720.93	W0910511.73	N3317.349	W09105.196
	IMOYO	N332325.16	W0905913.92	N3323.436	W09059.232
	JUDIM	N331721.04	W0905315.95	N3317.351	W09053.266
	KEVNE	N331721.13	W0905913.84	N3317.352	W09059.231
	ZASEL	N332523.24	W0905913.94	N3325.387	W09059.232
	RW36L	N332829.59	W0905913.98	N3328.493	W09059.233

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW36L	00130 40

CITY AND STATE
GREENVILLE, MS

ELEVATION: 131 TDZE: 130
AIRPORT NAME: MID DELTA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36L, ORIG-A
07 MAY 2009

SUP:
AMDT: ORIG
DATED: 04/09/2009

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 16: STANDARD WITH A MINIMUM CLIMB OF 360 FEET PER NM TO 6100, OR 3300-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 34: STANDARD WITH A MINIMUM CLIMB OF 380 FEET PER NM TO 5700, OR 3300-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 16: CLIMB DIRECT BRA NDB, CLIMB IN HOLDING PATTERN; HOLD S, RT 344.00 INBOUND TO CROSS BRA NDB AT OR ABOVE 6100 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS ASHEVILLE REGIONAL AIRPORT SOUTHBOUND AT OR ABOVE 5,300 MSL DIRECT BRA NDB BEFORE PROCEEDING ON COURSE. NOTE: CLIMB IN VISUAL NA AT NIGHT.

RWY 34: CLIMB DIRECT KEANS (IM) LOM, CLIMB IN HOLDING PATTERN; HOLD N, LT 164.00 INBOUND TO CROSS KEANS LOM AT OR ABOVE 7000 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS ASHEVILLE REGIONAL AIRPORT NORTHBOUND AT OR ABOVE 5,300 MSL DIRECT KEANS LOM BEFORE PROCEEDING ON COURSE. NOTE: CLIMB IN VISUAL NA AT NIGHT.

(3) TAKEOFF OBSTACLE NOTES: RWY 16: TREE 207' FROM DER, 529' LEFT OF CENTERLINE, 100' AGL/2148' MSL. RWY 34: TREE 543' FROM DER, 614' LEFT OF CENTERLINE, 100' AGL/2194' MSL. TREE 81' FT FROM DER, 41' LEFT OF CENTERLINE, 100' AGL/2172' MSL.

(4) CONTROLLING OBSTACLES:

RWY 16: 6060 MSL TOWER 352532.00N/0824524.00W

RWY 34: 6060 MSL TOWER 352532.00N/0824524.00W

VCOA: 3899 MSL AAO 352646.30N/0823801.57W

(5) City, State

ASHEVILLE, NC

(6) Airport

ASHEVILLE REGIONAL

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

8

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS 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.																																																																																																																																											
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: _____																																																																																																																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF:</td> <td>STANDARD</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A</td> <td colspan="6"></td> </tr> <tr> <td>CATEGORY ==></td> <td colspan="3">A</td> <td colspan="3">B</td> <td colspan="3">C</td> <td colspan="3">D</td> <td colspan="3">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																	TAKEOFF:	STANDARD	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																																																																																
TAKEOFF:	STANDARD	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: 07 MAY 2009 PROCEDURE CANCELED EFFECTIVE _____																																																																																																																																																
CITY AND STATE CURRITUCK, NC				ELEVATION: 16 TDZE: 16 AIRPORT NAME: Currituck County Regional				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 5, ORIG, 01/01/1998				SUP AMDT NONE DATE																																																																																																																																		



RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW05 CLIMB TO 2000 DIRECT HABKI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 225.08 INBOUND. CHART FAS OBST: 140 TREE 362350N/0760147W CHART 3008 BALLOON 361359N/0760759W. DISTANCE TO THLD FROM 325 HAT: 0.90 NM. WAAS CHANNEL # 49008 REFERENCE PATH ID: W05A							
WINAL (IAF)		HAKDY (FB)		078.44 / 14.32		2700									
OCSIP (IAF)		HAKDY (FB)		320.67 / 9.51		2700									
HAKDY (IF)		TACLO (FB)		044.91 / 6.10		1700									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HAKDY 3. FAC: <u>044.95</u> FAF: <u>TACLO</u> DIST FAF TO MAP: <u>5.08</u> THLD: <u>5.08</u> 4. MIN. ALT: <u>HAKDY 2700, TACLO 1700</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> </u> 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>TACLO</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW05 4100</u>								MAG VAR: 10W EPOCH YEAR: 1995							
MINIMUMS															
TAKEOFF:	STANDARD	X	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	343	1 1/4	325	343	1 1/4	325	343	1 1/4	325	343	1 1/4	325			
LNAV/VNAV DA	410	1 1/2	392	410	1 1/2	392	410	1 1/2	392	410	1 1/2	392			
LNAV MDA	400	1	382	400	1	382	400	1	382	400	1 1/4	382			
CIRCLING	440	1	422	480	1	462	480	1 1/2	462	580	2	562			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING OCEANA NAS/APOLLO SOUCEK ALTIMETER SETTING. © NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE				ELEVATION: 18 TDZE: 18		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
CURRITUCK, NC				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 5, ORIG				AMDT: NONE			
				CURRITUCK COUNTY REGIONAL				07 MAY 2009				DATED			

QUALITY
 2
 CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: PROCEDURE NA WHEN TETHERED BALLOON LOCATED APPROXIMATELY 11.4 NM SOUTHWEST OF AIRPORT IS FLYING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OCEANA NAS/APOLLO SOUCEK ALTIMETER SETTING AND INCREASE ALL DA 59 FEET, AND ALL MDA 60 FEET; INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WINAL VIA V472 WEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OCSIP VIA V266 SOUTHEAST BOUND.

QUALITY
2
CHECKED

CITY AND STATE

CURRITUCK, NC

ELEVATION: 18

TDZE: 18

AIRPORT NAME:

CURRITUCK COUNTY REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 5, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KONX
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	362337.5175N
LTP/FTP LONGITUDE	0760114.8540W
LTP/FTP ELLIPSOIDAL HEIGHT	-00343
FPAP LATITUDE	362450.6100N
FPAP LONGITUDE	0760011.5500W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

6E3F0C0A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00039
FPAP ORTHOMETRIC HEIGHT	+00039

QUALITY
2
CHECKED

CITY AND STATE
CURRITUCK, NC

ELEVATION: 18 TDZE: 18
AIRPORT NAME:
CURRITUCK COUNTY REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3

SUSAP KONXK7SRW05 K7PG	0 18018004125										M G		

CITY AND STATE

CURRITUCK, NC

ELEVATION: 18 TDZE: 18

AIRPORT NAME:

CURRITUCK COUNTY REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 5, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OCSIP	OCSIP	010	IAF	IF		FB				
	OCSIP	HAKDY	020		TF		FB	1.0	320.7 (311T)	009.5	02700
	WINAL	WINAL	010	IAF	IF		FB				
	WINAL	HAKDY	020		TF		FB	1.0	078.4 (068T)	014.3	02700
		HAKDY	010	FACF	IF		FB				02700
		TACLO	020	FAF	TF		FB	0.5	044.9 (035T)	006.1	01700
		RW05	030	MAP	TF		FO	0.3	045.0 (035T)	005.1	00058

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HABKI	040		DF		FO	1.0			02000
	HABKI	050		HM	R	FO	2.0	225.1 (215T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HABKI	N363417.29	W0755159.30	N3634.288	W07551.988
	HAKDY	N361426.93	W0760910.36	N3614.449	W07609.173
	OCSIP	N360814.95	W0760015.45	N3608.249	W07600.258
	TACLO	N361927.18	W0760451.34	N3619.453	W07604.856
	WINAL	N360911.86	W0762538.40	N3609.198	W07625.640
	RW05	N362337.52	W0760114.85	N3623.625	W07601.248

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00013	45

CITY AND STATE
CURRITUCK, NC

ELEVATION: 18 TDZE: 18
AIRPORT NAME:
CURRITUCK COUNTY REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 5, 23 - STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 5 - CLIMB HEADING 044.99 TO 1300' BEFORE PROCEEDING ON COURSE.

RWY 23 - CLIMB HEADING 240.00 TO 4000' BEFORE TURNING SOUTHBOUND.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, TREES BEGINNING 41' FROM DER, 166' LEFT OF CENTERLINE, UP TO 100' AGL/122' MSL. TREE 4058' FROM DER, 388' RIGHT OF CENTERLINE, 100' AGL/124' MSL.

NOTE: RWY 23, TREES BEGINNING 60' FROM DER, 384' LEFT OF CENTERLINE, UP TO 100' AGL/115' MSL. TREES BEGINNING 201' FROM DER, 427' RIGHT OF CENTERLINE, UP TO 100' AGL/121' MSL.

(4) CONTROLLING OBSTACLES:

RWY 5, 23: 3008' MSL BALLOON 361359.00N/0760759.00W

QUALITY
2
CHECKED

(5) City, State

CURRITUCK, NC

(6) Airport

CURRITUCK COUNTY REGIONAL

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: WEMTU/ECG 11.09 DME FIX						
ECG VOR/DME (IF/IAF) LEMMS/ECG 2.14 DME		LEMMS/ECG 2.14 DME JEDSO/ECG 6.03 DME		049.53 / 2.14 049.53 / 3.89 (ECG R-050)				3600 2500		CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4100 DIRECT ECG VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4100. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 140 TREE 362350N/0760147W CHART 3008 BALLOON 361359N/0760759W. 210 AAO 362003N/0760627W. FAC CROSSES RWY 5 THLD						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW ECG VOR/DME, LT, 049.53 INBOUND, 4100 FT. IN LIEU OF PT (IAF) 3. FAC 049.53 FAF JEDSO/ECG 6.03 DME _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT ECG VOR/DME 4100, LEMMS 3600, JEDSO 2500 8. MSA FROM: ECG VOR/DME 4100																MAG VAR: 7W
MINIMUMS																
TAKEOFF: _____		STANDARD ☒		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	500	1	482	500	1	482	500	1 1/2	482	620	2	602				
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OCEANA NAS/APOLLO SOUCEK ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. CHART PLANVIEW NOTE: NOPT FOR ARRIVALS ON ECG VOR/DME RADIALS 250 CW 311. CHART NOTE: PROCEDURE NA WHEN TETHERED BALLOON LOCATED APPROXIMATELY 11.4 NM SOUTHWEST OF AIRPORT IS FLYING.																
CITY AND STATE CURRITUCK, NC				ELEVATION: 18 TDZE: AIRPORT NAME: CURRITUCK COUNTY REGIONAL		FACILITY IDENTIFIER: ECG		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 1 07 MAY 2009				SUP				
												AMDT ORIG				
												DATE 01/18/2007				

QUALITY
 2
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS 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.																																																																																																																																					
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										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: _____																																																																																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">TAKEOFF:</td> <td style="width: 10%;">STANDARD</td> <td colspan="5">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="5">ALTERNATE: N A</td> </tr> <tr> <td>CATEGORY =====></td> <td colspan="3" style="text-align: center;">A</td> <td colspan="3" style="text-align: center;">B</td> <td colspan="3" style="text-align: center;">C</td> <td colspan="3" style="text-align: center;">D</td> <td colspan="3" style="text-align: center;">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>															TAKEOFF:	STANDARD	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																																																																																
TAKEOFF:	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: N A																																																																																																																																			
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NOTES: 07 MAY 2009 PROCEDURE CANCELED EFFECTIVE _____																																																																																																																																										
CITY AND STATE ROXBORO, NC			ELEVATION: 610 TDZE: 605 AIRPORT NAME: PERSON COUNTY			FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 6, ORIG, 03/25/1999				SUP AMDT NONE DATE																																																																																																																														

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	REMARKS
MUPLY (IAF)	LORSY (NOPT) (FB)	149.96 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW06
NILKY (IAF)	LORSY (NOPT) (FB)	330.04 / 5.00	3000	
LORSY (IF/IAF)	IFKIN (FB)	060.00 / 6.10	2200	CLIMB TO 3000 DIRECT TACUV AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 240.22 INBOUND. CHART FAS OBST: 674 TREE 361640N/0785928W CHART FAS OBST: 709 TREE 361632N/0790046W DISTANCE TO THLD FROM 200 HAT: 0.53 NM. CHART VDP AT 0.95 MILES TO RW06* *LNAV ONLY. WAAS CHANNEL # 86512

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SW LORSY, RT, 060.00	INBOUND, 3000 FT. IN LIEU OF PT (IAF)				
3. FAC: 060.05	FAC: IFKIN	DIST FAF TO MAP: 4.86			THLD: 4.86
4. MIN. ALT: LORSY 3000, IFKIN 2200, FIPIR/1.80 NM TO RW06 1200*					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	100 HAT:	GS ANT:
6. MIN GS INCPT: 2200	GS ALT AT: IFKIN 2200	OM:	MM:	IM:	
7. GS ANGLE: 3.00	TCH: 40.2 34:1 IS CLEAR				
8. MSA FROM:					

REFERENCE PATH ID: W06A

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

L

MAG VAR: 8W EPOCH YEAR: 2

MINIMUMS

TAKEOFF:		STANDARD	X	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	801	1/2	200	801	1/2	200	801	1/2	200	801	1/2	200			
LNAV/VNAV DA	1087	1 1/4	486	1087	1 1/4	486	1087	1 1/4	486	1087	1 1/4	486			
LNAV MDA	960	1/2	359	960	1/2	359	960	1/2	359	960	1	359			

[illegible]

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO 1 1/4.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

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: VGSJ AND RNAV GLIDEPATH NOT COINCIDENT.

SEE 8260-10

CITY AND STATE

ELEVATION: 609 TDZE: 601

AIRPORT NAME:

PERSON COUNTY

FACILITY
IDENTIFIER:
BNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, ORIG

07 MAY 2009

SUP.

AMDT: NONE

DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHAPEL HILL ALTIMETER SETTING AND INCREASE LPV DA TO 864, LNAV/VNAV DA TO 1150 AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING CHAPEL HILL ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE.

BARO-VNAV AND VDP NA WHEN USING CHAPEL HILL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	330/30 CW 150/30 (NOPT)	330/15 CW 150/15	3100
2.	330/15 CW 150/15	LORSY (IF/IAF) (FB)	3000
3.	150/30 CW 240/30	MUPLY (IAF) (FB)	3000
4.	240/30 CW 330/30	240/22 CW 330/22	3100
5.	240/22 CW 330/22	NILKY (IAF) (FB)	3000

CITY AND STATE

ROXBORO, NC

ELEVATION: 609 TDZE: 601

AIRPORT NAME:

PERSON COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KTDF
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	361648.1780N
LTP/FTP LONGITUDE	0785930.6740W
LTP/FTP ELLIPSOIDAL HEIGHT	+01491
FPAP LATITUDE	361722.8100N
FPAP LONGITUDE	0785835.7100W
THRESHOLD CROSSING HEIGHT (TCH)	00040.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	95.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
<u>CRC REMAINDER</u>	6AD084D4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01800
FPAP ORTHOMETRIC HEIGHT	+01800

CITY AND STATE ROXBORO, NC	ELEVATION: 609 TDZE: 601 AIRPORT NAME: PERSON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTDFK7FR06	ALORSY	010LORSYK7EA0EE	CR	HF			06000040	+	03000	18000		A	JS
SUSAP KTDFK7FR06	AMUPLY	010MUPLYK7EA0E	A	IF						18000		A	JS
SUSAP KTDFK7FR06	AMUPLY	020LORSYK7EA0EE		010TF			15000050	+	03000			A	JS
SUSAP KTDFK7FR06	ANILKY	010NILKYK7EA0E	A	IF						18000		A	JS
SUSAP KTDFK7FR06	ANILKY	020LORSYK7EA0EE		010TF			33000050	+	03000			A	JS
SUSAP KTDFK7FR06	R	010LORSYK7EA0E	I	IF				+	03000	18000		A	JS
SUSAP KTDFK7FR06	R	020IFKINK7EA1E	F	051TF			06000061	+	02200			A	JS
SUSAP KTDFK7FR06	R	020IFKINK7EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KTDFK7FR06	R	021FIPIRK7EA0E	S	031TF			06010031	V	0120001207	-300		A	JS
SUSAP KTDFK7FR06	R	030RW06	K7PG0GY	M	031TF		06010018		00631	-300		A	JS
SUSAP KTDFK7FR06	R	040TACUVK7EA0EYM		010DF				+	03000			A	JS
SUSAP KTDFK7FR06	R	050TACUVK7EA0EE		HR020HM			24020040	+	03000			A	JS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

SUSAP KTDFK7GRW06	0057010601		N36164818WJ78593067+0200				+0149100591030440100R						

[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP KTD FK7PR06 RW06 001 0000W06A0N3616481780W07859306740+014910300N3617228100W07858357100095750000000402F4003506AD084D4
SUSAP KTD FK7PR06 RW06 002E +01800-01800LPV 86512 000

CITY AND STATE

ROXBORO, NC

ELEVATION: 609

TDZE: 601

AIRPORT NAME:

PERSON COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, ORIG

07 MAY 2009

SUP:

AMDT: NONE

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LORSY	LORSY	010		HF	R	FB		060.0 (052T)	004.0	03000
	MUPLY	MUPLY	010	IAF	IF		FB				
	MUPLY	LORSY	020		TF		FB	1.0	150.0 (142T)	005.0	03000
	NILKY	NILKY	010	IAF	IF		FB				
	NILKY	LORSY	020		TF		FB	1.0	330.0 (322T)	005.0	03000
		LORSY	010	FACF	IF		FB				03000
		IFKIN	020	FAF	TF		FB	0.5	060.0 (052T)	006.1	02200
		FIPIR	021	SDF	TF		FB	0.3	060.1 (052T)	003.1	0120001207
		RW06	030	MAP	TF		FO	0.3	060.1 (052T)	001.8	00631

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TACUV	040		DF		FO	1.0			03000
	TACUV	050		HM	R	FO	2.0	240.2 (232T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FIPIR	N361541.73	W0790116.05	N3615.696	W07901.268
	IFKIN	N361348.63	W0790415.20	N3613.811	W07904.253
	LORSY	N361003.18	W0791011.54	N3610.053	W07910.192
	MUPLY	N361359.86	W0791359.84	N3613.998	W07913.997
	NILKY	N360606.38	W0790623.62	N3606.106	W07906.394
	TACUV	N362416.70	W0784736.98	N3624.278	W07847.616
	RW06	N361648.18	W0785930.67	N3616.803	W07859.511

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00591	40

CITY AND STATE ROXBORO, NC	ELEVATION: 609 TDZE: 601 AIRPORT NAME: PERSON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW24 CLIMB TO 3000 DIRECT LORSY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.00 INBOUND. CHART FAS OBST: 677 TREE 361730N/0785812W CHART FAS OBST: 779 TREE 362011N/0785442W DISTANCE TO THLD FROM 311 HAT: 0.87 NM. CHART VDP AT 1.24 MILES TO RW24* *LNAV ONLY. WAAS CHANNEL # 50510 REFERENCE PATH ID: W24A							
VIKUC (IAF)		TACUV (NOPT) (FB)		330.26 / 5.00				3000									
UCORE (IAF)		TACUV (NOPT) (FB)		150.18 / 5.00				3000									
TACUV (IF/IAF)		JOTOB (FB)		240.22 / 6.10				2300									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE TACUV, RT, 240.22 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 240.16 FAF: JOTOB _____ DIST FAF TO MAP: 5.13 THLD: 5.13 4. MIN. ALT: TACUV 3000, JOTOB 2300 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2300 GS ALT AT: JOTOB 2300 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____										MAG VAR: 8W EPOCH YEAR: 2000							
MINIMUMS																	
TAKEOFF:	STANDARD		X		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	920	1	311	920	1	311	920	1	311	920	1	311					
LNAV/VNAV DA	997	1 1/2	388	997	1 1/2	388	997	1 1/2	388	997	1 1/2	388					
LNAV MDA	1040	1	431	1040	1	431	1040	1 1/4	431	1040	1 1/2	431					
CIRCLING	1080	1	471	1080	1	471	1080	1 1/2	471	1160	2	551					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHAPEL HILL ALTIMETER SETTING AND SEE 8260-10																	
CITY AND STATE ROXBORO, NC				ELEVATION: 609 TDZE: 609 AIRPORT NAME: PERSON COUNTY				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG-A 07 MAY 2009				SUP: AMDT: ORIG DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

INCREASE LPV DA TO 983, LNAV/VNAV DA TO 1060, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT C VISIBILITY 1/4 MILE.

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

TAA

	FROM	TO	ALT
1.	150/30 CW 330/30 (NOPT)	TACUV (IF/IAF) (FB)	3000
2.	330/30 CW 060/30	VIKUC (IAF) (FB)	3000
3.	060/30 CW 150/30	UCORE (IAF) (FB)	3000

CITY AND STATE

ROXBORO, NC

ELEVATION: 609 TDZE: 609

AIRPORT NAME:

PERSON COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, ORIG-A

07 MAY 2009

SUP:

AMDT: ORIG

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KTDF
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	361722.8055N
LTP/FTP LONGITUDE	0785835.7095W
LTP/FTP ELLIPSOIDAL HEIGHT	+01533
FPAP LATITUDE	361628.0000N
FPAP LONGITUDE	0790002.6700W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A8B63CDD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01842
FPAP ORTHOMETRIC HEIGHT	+01842

CITY AND STATE ROXBORO, NC	ELEVATION: 609 TDZE: 609 AIRPORT NAME: PERSON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG-A 07 MAY 2009	SUP: AMDT: ORIG DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTDFK7FR24	ATACUV	010TACUVK7EA0EE	CR	HF			24020040	+	03000	18000		A	JS
SUSAP KTDFK7FR24	AUCORE	010UCOREK7EA0E	A	IF						18000		A	JS
SUSAP KTDFK7FR24	AUCORE	020TACUVK7EA0EE		010TF			15020050	+	03000			A	JS
SUSAP KTDFK7FR24	AVIKUC	010VIKUCK7EA0E	A	IF						18000		A	JS
SUSAP KTDFK7FR24	AVIKUC	020TACUVK7EA0EE		010TF			33030050	+	03000			A	JS
SUSAP KTDFK7FR24	R	010TACUVK7EA0E	I	IF				+	03000	18000		A	JS
SUSAP KTDFK7FR24	R	020JOTOBK7EA1E	F	051TF			24020061	+	02300			A	JS
SUSAP KTDFK7FR24	R	020JOTOBK7EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KTDFK7FR24	R	030RW24 K7PG0GY	M	031TF			24020051		00644	-300		A	JS
SUSAP KTDFK7FR24	R	040LORSYK7EA0EYM		010DF				+	03000			A	JS
SUSAP KTDFK7FR24	R	050LORSYK7EA0EE		FR020HM			06000040	+	03000			A	JS

[illegible][illegible]

SUP:	
AMDT:	ORIG
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	TACUV	TACUV	010		HP	R	FB		240.2 (232T)	004.0	03000
	UCORE	UCORE	010	IAF	IF		FB				
	UCORE	TACUV	020		TF		FB	1.0	150.2 (142T)	005.0	03000
	VIKUC	VIKUC	010	IAF	IF		FB				
	VIKUC	TACUV	020		TF		FB	1.0	330.3 (322T)	005.0	03000
		TACUV	010	FACF	IF		FB				03000
		JOTOB	020	FAF	TF		FB	0.5	240.2 (232T)	006.1	02300
		RW24	030	MAP	TF		FO	0.3	240.2 (232T)	005.1	00644

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	LORSY	040		DF		FO	1.0			03000
	LORSY	050		HM	R	FO	2.0	060.0 (052T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JOTOB	N362031.86	W0785335.26	N3620.531	W07853.588
	LORSY	N361003.18	W0791011.54	N3610.053	W07910.192
	TACUV	N362416.70	W0784736.98	N3624.278	W07847.616
	UCORE	N362814.08	W0785124.85	N3628.235	W07851.414
	VIKUC	N362019.20	W0784349.50	N3620.320	W07843.825
	RW24	N361722.81	W0785835.71	N3617.380	W07858.595

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00604	40

CITY AND STATE ROXBORO, NC	ELEVATION: 609 TDZE: 609 AIRPORT NAME: PERSON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG-A 07 MAY 2009	SUP:
				AMDT: ORIG
				DATED:

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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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: _____																																																																																																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">TAKEOFF: _____</td> <td colspan="2">STANDARD _____</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A _____</td> <td colspan="4"></td> </tr> <tr> <td colspan="2">CATEGORY =====></td> <td colspan="3" style="text-align: center;">A</td> <td colspan="3" style="text-align: center;">B</td> <td colspan="3" style="text-align: center;">C</td> <td colspan="3" style="text-align: center;">D</td> <td colspan="3" style="text-align: center;">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																TAKEOFF: _____		STANDARD _____		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																																																																
TAKEOFF: _____		STANDARD _____		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: 07 MAY 2009 PROCEDURE CANCELED EFFECTIVE _____																																																																																																																																
CITY AND STATE WINSTON-SALEM, NC				ELEVATION: 969 TDZE: 968 AIRPORT NAME: SMITH REYNOLDS				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 15, ORIG-B				SUP AMDT ORIG -A DATE 8DEC 98																																																																																																																		

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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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:		STANDARD		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:

07 MAY 2009

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE WINSTON-SALEM, NC	ELEVATION: 969 TDZE: 941 AIRPORT NAME: SMITH REYNOLDS	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: GPS RWY 33, ORIG-B, 10/05/2000	SUP AMD'T ORIG-A DATE 8 DEC 98

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
INGON INT	REENO LOM	152.02 / 10.80	2700	ILS: DA LOC: 3.89 MILES AFTER REENO LOM CLIMB TO 3500 VIA 332.02 BEARING FROM REENO LOM TO INCON INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500; OR WHEN DIRECTED BY ATC, CLIMB TO 3500 VIA HEADING 332 AND GSO VORTAC R-307 TO INCON INT/ GSO 18.61 DME AND HOLD NW, RT, 126.92 INBOUND, CONTINUE CLIMB-IN-HOLD TO 3500.
PROVE INT	REENO LOM	197.39 / 12.88	2700	
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 071.25 INBOUND. CHART FAS OBST: 1068 TOWER 360603N/0801135W

1. PT R SIDE OF COURSE 151.63 OUTBOUND 2600 FT WITHIN 10 MILES OF REENO LOM (IAF)
2. _____
3. FAC: 331.63 FAF: REENO LOM DIST FAF TO MAP: 3.89 THLD: 3.89
4. MIN. ALT: REENO LOM 2500
5. DIST TO THLD FROM OM: 3.89 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 872
6. MIN GS INCPT: 2500 GS ALT AT: GS INTCF OM: 2212 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57.3
8. MSA FROM: IN LOM 4100

MAG VAR: 7W EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	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 33	1141	2400	200	1141	2400	200	1141	2400	200	1141	2400	200			
S-LOC 33	1320	2400	379	1320	2400	379	1320	2400	379	1320	4000	379			
CIRCLING	1480	1	511	1580	1	611	1580	1 3/4	611	1740	2 1/2	771			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING PIEDMONT TRIAD INTL ALTIMETER SETTING, INCREASE
S-ILS 33 VISIBILITY TO RVR 5000 ALL CATS.
CHART NOTE: ADF REQUIRED.
CHART PROFILE NOTE: GS UNUSABLE BELOW 1141.
SEE 8260-10

CAT B, C 700-2, CAT D 800-2 1/2
@ CAT D 800-2 1/2
#@ NA WHEN CONTROL TOWER CLOSED.

CITY AND STATE WINSTON-SALEM, NC	ELEVATION: 969 TDZE: 941 AIRPORT NAME: SMITH REYNOLDS	FACILITY IDENTIFIER: I-INT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 33, AMDT 29 07 MAY 2009	SUP: ILS RWY 33 AMDT: 28A DATED 07/05/2007

QUALITY
CHECK

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PIEDMONT TRIAD INTL ALTIMETER SETTING AND INCREASE ALL DA 39 FEET AND ALL MDA 40 FEET; INCREASE S-LOC 33 CAT C VISIBILITY TO RVR 4000 AND CIRCLING CAT D 1/4 MILE.

CITY AND STATE

WINSTON-SALEM, NC

ELEVATION: 969 TDZE: 941

AIRPORT NAME:

SMITH REYNOLDS

FACILITY
IDENTIFIER:

I-INT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 33, AMDT 29

07 MAY 2009

SUP: ILS RWY 33

AMDT: 28A

DATED: 07/05/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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CITY AND STATE
WINSTON-SALEM, NC

ELEVATION: 969 TDZE: 968
AIRPORT NAME:
SMITH REYNOLDS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, ORIG
07 MAY 2009

SUP:
AMDT: **NONE**
DATED:

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[illegible]

DATED:

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SUSAP KINTK7GRW15 0060691516 N36081497W080133051-1000 +0262200968058636150R G

SUSAP KINTK7SRW15 K7PG 0 18018004125 M G

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FREON	FREON	010	IAF	IF		FB				
	FREON	ADKAW	020		TF		FB	1.0	201.7 (195T)	015.7	04100
	INGON	INGON	010		IF		FB				
	INGON	ADKAW	020	IAF	TF		FO	2.0	330.8 (324T)	005.4	04100
	INGON	ADKAW	030		HF	R	FO		151.5 (145T)	005.0	04100
	PROVE	PROVE	010		IF		FB				
	PROVE	ADKAW	020	IAF	TF		FO	2.0	279.8 (273T)	011.7	04600
	PROVE	ADKAW	030		HF	R	FO		151.5 (145T)	005.0	04100
		ADKAW	010	FACF	IF		FB				04100
		GASTN	020	FAF	TF		FB	0.5	151.5 (145T)	006.1	02700
		RW15	030	MAP	TF		FO	0.3	151.5 (145T)	005.3	01004

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CCLEB	040		DF		FB	1.0			
	GSO	050		DF		FO	1.0	102.1 (095T)		03000
	GSO	060		HM	R	FO	2.0	107.0 (100T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GSO	N360244.49	W0795834.95	N3602.742	W07958.583
	ADKAW	N361729.58	W0802137.24	N3617.493	W08021.621
	CCLEB	N360331.73	W0800922.89	N3603.529	W08009.382
	FREON	N363241.03	W0801641.59	N3632.684	W08016.693
	GASTN	N361232.12	W0801715.89	N3612.535	W08017.265
	INGON	N361306.99	W0801739.89	N3613.117	W08017.665
	PROVE	N361656.32	W0800708.27	N3616.939	W08007.138
	RW15	N360814.97	W0801330.51	N3608.250	W08013.509

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	00968	36

CITY AND STATE
WINSTON-SALEM, NC

ELEVATION: 969 TDZE: 968
 AIRPORT NAME:
 SMITH REYNOLDS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 15, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GSO VORTAC (IAF)	BACHE (FB)	237.34 / 6.71	3000	LPV: DA LNAV/VNAV: DA LNAV: RW33 CLIMB TO 3500 DIRECT CATSI AND VIA 332.67 TRACK TO INCON AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500. ADDITIONAL FLIGHT DATA: HOLD W, RT, 072.25 INBOUND. CHART FAS OBST: 1039 TREE 360735N/0801227W CHART FAS OBST: 1068 TOWER 360603N/0801135W CHART: 1350 TOWER 360329N/0800956W DISTANCE TO THLD FROM 200 HAT: 0.58 NM. WAAS CHANNEL # 82011 REFERENCE PATH ID: W33A
AZELL (IAF)	BACHE (FB)	053.82 / 10.30	3000	
BACHE (IF)	COLEB (FB)	331.71 / 6.22	2500	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT BACHE
- FAC: 331.66 FAF: COLEB DIST FAF TO MAP: 4.78 THLD: 4.78
- MIN. ALT: BACHE 3000, COLEB 2500, EARLL/1.80 NM TO RW33 1520*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: COLEB OM: MM: IM:
- GS ANGLE: 3.00 TCH: 57.3 34:1 IS CLEAR
- MSA FROM: RW33 4100

MAG VAR: 7W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	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
LPV DA	1141	2400	200	1141	2400	200	1141	2400	200	1141	2400	200			
LNAV/VNAV DA	1407	6000	466	1407	6000	466	1407	6000	466	1407	6000	466			
LNAV MDA	1380	2400	439	1380	2400	439	1380	4000	439	1380	5000	439			
CIRCLING	1480	1	511	1580	1	611	1580	1 3/4	611	1740	2 1/2	771			

NOTES:
 CHART NOTE: FOR INOPERATIVE MALS, WHEN USING PIEDMONT TRIAD INTL ALTIMETER SETTING, INCREASE LPV @ CAT D 800-2 1/2
 ALL CATS VISIBILITY TO 1 MILE. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: BARO-VNAV NA WHEN USING PIEDMONT TRIAD INTL ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 SEE 8260-10

CITY AND STATE	ELEVATION: 969 TDZE: 941	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 07 MAY 2009	SUP:
WINSTON-SALEM, NC	AIRPORT NAME: SMITH REYNOLDS			AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

*RNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PIEDMONT TRIAD INTL ALTIMETER SETTING
AND INCREASE ALL DA 39 FEET, AND ALL MDA 40 FEET, INCREASE RNAV/VNAV ALL CATS AND CIRCLING CAT D
VISIBILITY 1/4 MILE.

CHART PANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT GSO VORTAC VIA V103 NORTHBOUND AND V310 EASTBOUND.

CITY AND STATE

WINSTON-SALEM, NC

ELEVATION: 969 TDZE: 941

AIRPORT NAME:

SMITH REYNOLDS

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KINT
RW33
0
0
W33A
360726.0390N
0801247.6880W
+02416
360819.7400N
0801334.6800W
00057.3
F
03.00
106.75
0000
40.0
35.0

CRC REMAINDER

EF99824F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K7
+02743
+02743

CITY AND STATE

WINSTON-SALEM, NC

ELEVATION: 969 TDZE: 941

AIRPORT NAME:

SMITH REYNOLDS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KINTK7FR33	AAZELL	010	AZELLK7EA0E	A	IF				18000			A JS	G
SUSAP KINTK7FR33	AAZELL	020	BACHEK7EA0EE	010	TF		05380103	+	03000			A JS	G
SUSAP KINTK7FR33	AGSC	010	GSO K7D 0V	A	IF				18000			A JS	G
SUSAP KINTK7FR33	AGSC	020	BACHEK7EA0EE	010	TF		23730067	+	03000			A JS	G
SUSAP KINTK7FR33	R	010	BACHEK7EA0E	I	IF			+	03000	18000		A JS	G
SUSAP KINTK7FR33	R	020	COLEBK7EA1E	F	051TF		33170062	+	02500		RW33	K7PGA JS	G
SUSAP KINTK7FR33	R	020	COLEBK7EA2	WALPV	ALNAV/VNAV	ALNAV						JS	G
SUSAP KINTK7FR33	R	021	EARLLK7EA0E	S	031TF		33170030	V	0152001534	-300		A JS	G
SUSAP KINTK7FR33	R	030	RW33 K7PG0GY	M	031TF		33170018		00957	-300		A JS	G
SUSAP KINTK7FR33	R	040	CATSIK7EA0E	M	010DF							A JS	G
SUSAP KINTK7FR33	R	050	INGONK7EA0EY	010	TF		3327	+	03500			A JS	G
SUSAP KINTK7FR33	R	060	INGONK7EA0EE	HR020	HM		07230040	+	03500			A JS	G

[illegible]

CITY AND STATE WINSTON-SALEM, NC	ELEVATION: 969 TDZE: 941 AIRPORT NAME: SMITH REYNOLDS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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G

SUSAP	KINTK7PR33	RW33	001	0000W33A0N3607260390W08012476880+024160300N3608197400W08013346800106750000000573F400350EF99824FG		
SUSAP	KINTK7PR33	RW33	002E	+02743+02743LPV	82011	000

SUSAP KINTK7SRW33 K7PG 0 18018004125 M G

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AZELL	AZELL	010	IAF	IF		FB				
	AZELL	BACHE	020		TF		FB	1.0	053.8 (047T)	010.3	03000
	GSO	GSO	010	IAF	IF		FB				
	GSO	BACHE	020		TF		FB	1.0	237.3 (230T)	006.7	03000
		BACHE	010	FACF	IF		FB				03000
		COLEB	020	FAF	TF		FB	0.5	331.7 (325T)	006.2	02500
		EARLL	021	SDF	TF		FB	0.3	331.7 (325T)	003.0	0152001534
		RW33	030	MAP	TF		FO	0.3	331.7 (325T)	001.8	00957

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CATSI	040		DF		FB	1.0			
	INGON	050		TF		FO	1.0	332.7 (326T)		03500
	INGON	060		HM	R	FO	2.0	072.3 (065T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GSO	N360244.49	W0795834.95	N3602.742	W07958.583
	AZELL	N355123.75	W0801412.12	N3551.396	W08014.202
	BACHE	N355826.82	W0800457.00	N3558.447	W08004.950
	CATSI	N360953.01	W0801456.37	N3609.884	W08014.940
	COLEB	N360331.73	W0800922.89	N3603.529	W08009.382
	EARLL	N360557.84	W0801130.55	N3605.964	W08011.509
	INGON	N361306.99	W0801739.89	N3613.117	W08017.665
	RW33	N360726.04	W0801247.69	N3607.434	W08012.795

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00900	57

CITY AND STATE
WINSTON-SALEM, NC

ELEVATION: 969 TDZE: 941
 AIRPORT NAME:
 SMITH REYNOLDS

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 33, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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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: ☐	STANDARD ☐	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:

07 MAY 2009

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE LEBANON, NH	ELEVATION: 603 TDZE: 574	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 25, ORIG-A, 06/15/2000	SUP
	AIRPORT NAME: LEBANON MUNI			AMDT ORIG
	DATE 06/15/2000			

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[illegible]

CITY AND STATE LEBANON, NH	ELEVATION: 603 TDZE: 574 AIRPORT NAME: LEBANON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KLEBK6GRW25 0054962553 N43380072W072173916-0200 +0147300574000054100R

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KLEBK6SRW25 K6PG 0 18018005525 M

CITY AND STATE
LEBANON, NH

ELEVATION: 603 TDZE: 574
AIRPORT NAME:
LEBANON MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CON	CON	010		IF		FB				
	CON	ULAKY	020	IAF	TF		FB	2.0	344.0 (328T)	032.3	05000
	CON	ROMRE	030		TF		FB	1.0	345.5 (330T)	005.0	04800
	MPV	MPV	010		IF		FB				
	MPV	ELHOY	020	IAF	TF		FB	2.0	151.2 (135T)	022.4	05000
	MPV	ROMRE	030		TF		FB	1.0	165.5 (150T)	005.0	04800
		ROMRE	010	FACF	IF		FB				04800
		SHYMO	020	FAF	TF		FB	0.5	255.5 (240T)	006.0	03400
		WEBIN	021	SDF	TF		FB	0.3	255.4 (239T)	003.0	0230002319
		RW25	030	MAP	TF		FO	0.3	255.4 (239T)	004.5	00628

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZIECH	040		DF		FO	1.0			04000
	ZIECH	050		HM	R	FO	2.0	353.5 (338T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CON	N431311.19	W0713431.66	N4313.187	W07134.528
	MPV	N440507.74	W0722657.76	N4405.129	W07226.963
	ELHOY	N434911.41	W0720508.40	N4349.190	W07205.140
	ROMRE	N434452.95	W0720138.09	N4344.883	W07201.635
	SHYMO	N434149.10	W0720847.82	N4341.818	W07208.797
	ULAKY	N434034.38	W0715808.28	N4340.573	W07158.138
	WEBIN	N434018.38	W0721219.21	N4340.306	W07212.320
	ZIECH	N434958.39	W0721814.50	N4349.973	W07218.242
	RW25	N433800.72	W0721739.16	N4338.012	W07217.653

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00574	54

CITY AND STATE
LEBANON, NH

ELEVATION: 603 TDZE: 574
 AIRPORT NAME:
LEBANON MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, ORIG
07 MAY 2009

SUP:
 AMDT: **NONE**
 DATED:

U.S. Department of Transportation
Federal Aviation Administration

**COPTER RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.35**

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
CCC VOR/DME (40V)	TIDUE (TF)(FO) (40E)(41Y)(43C)	096.48/14.87	1700	MAP: CRANN			
HTO VORTAC (40V)	TIDUE (TF)(FO)(40E)(41Y)(43C)	303.65/7.62	1800	CLIMBING RIGHT TURN TO 2000 DIRECT BEADS AND HOLD.			
TIDUE (IF/IAF)(40E)(43I)	STAYS (TF)(FB)(40E)(43F)	189.99/3.00	1700				
STAYS (FAF)(40E)(43F)	CRANN (TF)(FO)(40E)(41Y)(43M)	190.00/3.00					
CRANN (MAP)(40E)(41Y)(43M)	405 MSL (CA)(42M)	190.00					
405 MSL	BEADS (DF)(FO)(40E)(41E)(43H)		2000	ADDITIONAL FLIGHT DATA: HOLD NE, RT, 236.00 INBOUND CHART FAS OBST: 265 TOWER 405307N/0722717W CHART IN PLANVIEW: SOUTHAMPTON HELIPORT, 5, 190.00/0.87 CRANN TO HELIPORT: 6.00/5' HOVER ROUTE TYPE: A, R CHART WESTHAMPTON BEACH ASOS, 119.925.			

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N TIDUE, LT, 189.99 INBOUND, 1700 FT. IN LIEU OF PT (IAF)(HF)(40E)(41E)(43C)
3. FAC: 190.00 FAF: STAYS DIST FAF TO MAP: 3.00 THLD: -
4. MIN. ALT: TIDUE 1700, STAYS 1700
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: CRANN 1900

MAG VAR: 14W EPOCH YEAR: 85

MINIMUMS																
TAKEOFF:	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A X											
CATEGORY =====>	A			B			C			D			E			
	DH/ MDA	VIS	HAS	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	
H-190	560	1	521													

NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE WESTHAMPTON BEACH ALTIMETER SETTING, WHEN NOT RECEIVED, USE NEW HAVEN ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. CHART PLANVIEW NOTE: LIMIT FINAL AND MISSED APPROACH MAXIMUM AIRSPEED TO 70 KIAS. CHART PLANVIEW NOTE: PROCEED VISUALLY FROM CRANN OR CONDUCT THE SPECIFIED MISSED APPROACH. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CCC VOR/DME VIA V16 SOUTHWEST BOUND.

CITY AND STATE	ELEVATION: 5 TDZE: SURFACE ELEV: 39	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SOUTHAMPTON, NY	AIRPORT NAME: SOUTHAMPTON HELIPORT	RNAV	07 MAY 2009 COPTER RNAV (GPS) 190, ORIG	AMDT: NONE
				DATE

QUALITY
5
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
COPTER VOR/DME RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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: ☐ STANDARD ☐ 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 07 MAY 2009

CITY AND STATE SOUTHAMPTON, NY	ELEVATION: 5	TDZE:	FACILITY IDENTIFIER: HTO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: COPTER VOR/DME RNAV OR GPS 187, ORIG, 09/17/1992	SUP	
	AIRPORT NAME:				AMDT	NONE
	SOUTHAMPTON HELIPORT				DATE	

5
 CHECKED

GPS RNAV

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	MAP			
				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. MSA FROM: _____				MAG VAR: _____ EPOCH YEAR: _____			
MINIMUMS							
TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A _____		
CATEGORY >>>>>	A		B		C		D
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA
NOTES							
PROCEDURE CANCELLED EFFECTIVE <u>07 MAY 2009</u>							
CITY AND STATE		ELEVATION: 901 TDZE: 900		FACILITY IDENTIFIER		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
ZELIENOPLE, PA		AIRPORT NAME: ZELIENOPLE MUNI		GPS		GPS RWY 17. AMDT 1, 11/04/1999	
						SUP AMDT ORIG DATE 01/01/1998	

GPS RNAV

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

MAP:

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: _____

MINIMUMS

TAKEOFF: _____

STANDARD _____

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

MDA

VIS

HAT/HAA

NOTES:

07 MAY 2009

PROCEDURE CANCELLED EFFECTIVE _____

CITY AND STATE

ELEVATION:

901

TDZE:

900

FACILITY
IDENTIFIER:

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

SUP

AMDT

ORIG

DATE

01/01/1998

ZELIENOPLE, PA

ZELIENOPLE MUNI

GPS

GPS RWY 35. AMDT 1, 11/04/1999

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE	ALTITUDE						
EWC VORTAC	DEUSO (FO)	005.24 / 9.96	3000	LNAV: RW17 CLIMB TO 3100 DIRECT EDAPY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 354.41 INBOUND. CHART FAS OBST: 1421 TREE 405118N/0801015W CHART 1499 TREE 405406N/0801030W. AJAPA TO RW17: 3.05/45.					
VOLAN (IAF)	DEUSO (NOPT) (FB)	212.29 / 9.36	3000						
DEUSO (IF/IAF)	AJAPA (FB)	174.33 / 5.04	3000						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N DEUSO, RT, 174.33 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 174.35 FAF: AJAPA DIST FAF TO MAP: 6.36 THLD: 6.36 4. MIN. ALT: DEUSO 3000, AJAPA 3000, HODOS/2.80 NM TO RW17 1840 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: RW17 3600				MAG VAR: 9W EPOCH YEAR: 2000					
MINIMUMS									
TAKEOFF:	STANDARD	X	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
LNAV MDA	1680	1	780	1680	1 1/4	780	NA	NA	
CIRCLING	1680	1	779	1700	1 1/4	799	NA	NA	
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EWC VORTAC VIA V37 SOUTHBOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BUTLER COUNTY/ SEE 8260-10									
CITY AND STATE		ELEVATION: 901 TDZE: 900		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:	
ZELIENOPLE, PA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 17, ORIG		AMDT: NONE	
		ZELIENOPLE MUNI				07 MAY 2009		DATED	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

K W SCHOLTER FLD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CITY AND STATE

ZELIENOPLE, PA

ELEVATION: 901 TDZE: 900

AIRPORT NAME:

ZELIENOPLE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP PJC K6FR17	AEWC	010EWC	K6D	0V	IF					18000		P	JS
SUSAP PJC K6FR17	AEWC	020DEUSOK6EA0EY	020TF			00520100	+	03000				P	JS
SUSAP PJC K6FR17	AEWC	030DEUSOK6EA0EB	CR	HF		17430040	+	03000				P	JS
SUSAP PJC K6FR17	AVOLAN	010VOLANK6EA0E	A	IF						18000		P	JS
SUSAP PJC K6FR17	AVOLAN	020DEUSOK6EA0EE	010TF			21230094	-	03000				P	JS
SUSAP PJC K6FR17	R	010DEUSOK6EA0E	I	IF						18000		P	JS
SUSAP PJC K6FR17	R	020AJAPAK6EA1E	F	051TF		17430050	-	03000			RM17	REP	JS
SUSAP PJC K6FR17	R	020AJAPAK6EA2WN			N	ALNAV							JS
SUSAP PJC K6FR17	R	021HODOSK6EA0E	S	031TF		17440036	V	0184001854		-305		P	JS
SUSAP PJC K6FR17	R	030RW17	K6PG0GY	M	031TF	17440028		00340		-305		P	JS
SUSAP PJC K6FR17	R	040EDAPYK6EA0EYM	DF									P	JS
SUSAP PJC K6FR17	R	050EDAPYK6EA0EE	HR020HM			35440040	-	03100				P	JS

[illegible]

CITY AND STATE ZELIENOPLE, PA	ELEVATION: 901 TDZE: 900 AIRPORT NAME: ZELIENOPLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

CITY AND STATE

ZELIENOPLE, PA

ELEVATION: 901	TDZE: 900

AIRPORT NAME:

ZELIENOPLE MUNI

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

07 MAY 2009

SUP:

AMDT:	NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EWC	EWC	010		IF		FB				
	EWC	DEUSO	020		TF		FO	2.0	005.2 (356T)	010.0	03000
	EWC	DEUSO	030		HF	R	FO		174.3 (165T)	004.0	03000
	VOLAN	VOLAN	010	IAF	IF		FB				
	VOLAN	DEUSO	020		TF		FB	1.0	212.3 (203T)	009.4	03000
		DEUSO	010	FACF	IF		FB				03000
		AJAPA	020	FAF	TF		FB	0.5	174.3 (165T)	005.0	03000
		HODOS	021	SDF	TF		FB	0.3	174.4 (165T)	003.6	0184001854
		RW17	030	MAP	TF		FO	0.3	174.4 (165T)	002.8	00940

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EDAPY	040		DF		FO				03100
	EDAPY	050		HM	R	FO	2.0	354.4 (345T)	004.0	03100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EWC	N404930.73	W0801241.62	N4049.512	W08012.694
	AJAPA	N405434.74	W0801152.43	N4054.579	W08011.874
	DEUSO	N405927.47	W0801333.43	N4059.458	W08013.557
	EDAPY	N403722.26	W0800558.14	N4037.371	W08005.969
	HODOS	N405108.09	W0801041.28	N4051.135	W08010.688
	VOLAN	N410803.51	W0800840.31	N4108.059	W08008.672
	RW17	N404825.44	W0800945.36	N4048.424	W08009.756

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17	00895		45

CITY AND STATE ZELIENOPLE, PA	ELEVATION: 901 TDZE: 900	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: ZELIENOPLE MUNI			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EWC VORTAC	EDAPY (FO)	166.11 / 13.17	3100	LNAV: RW35 CLIMB TO 3000 DIRECT DEUSO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 174.33 INBOUND. CHART FAS OBST: 1399 TREE 404622N/0801000W CHART 1843 TOWER 404353N/0800602W. OTIKE TO RW35: 3.05/45
CETPU (IAF)	EDAPY (NOPT) (FB)	068.67 / 7.55	3100	
EDAPY (IF/IAF)	OTIKE (FB)	354.41 / 5.01	2800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S EDAPY, RT, 354.41 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
- FAC: 354.39 FAF: OTIKE DIST FAF TO MAP: 5.73 THLD: 5.73
- MIN. ALT: EDAPY 3100, OTIKE 2800, CIBAT/3.30 NM TO RW35 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW35 3600

MAG VAR: 9W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	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	VS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		1640	1	739	1640	1	739		NA			NA				
CIRCLING		1680	1	779	1700	1 1/4	799		NA			NA				

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BUTLER COUNTY/

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE ZELIENOPLE, PA	ELEVATION: 901 TDZE: 901 AIRPORT NAME: ZELIENOPLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

KW SCHOLTER FLD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND LNAV
CAT B VISIBILITY 1/4 MILE.

CITY AND STATE

ZELIENOPLE, PA

ELEVATION: 901 TDZE: 901

AIRPORT NAME:

ZELIENOPLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

SUP:	
AMDT:	NONE
DATED:	

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CETPU	CETPU	010	IAF	IF		FB				
	CETPU	EDAPY	020		TF		FB	1.0	068.7(060T)	007.6	03100
	EWC	EWC	010		IF		FB				
	EWC	EDAPY	020		TF		FO	2.0	166.1(157T)	013.2	03100
	EWC	EDAPY	030		HF	R	FO		354.4(345T)	004.0	03100
		EDAPY	010	FACF	IF		FB				03100
		OTIKE	020	FAF	TF		FB	0.5	354.4(345T)	005.0	02800
		CIBAT	021	SDF	TF		FB	0.3	354.4(345T)	002.4	0200000025
		RW35	030	MAP	TF		FO	0.3	354.4(345T)	003.3	00946

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	DEUSO	040		DF		FO	1.0			03000
	DEUSO	050		HM	R	FO	2.0	174.3(165T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EWC	N404930.73	W0801241.62	N4049.512	W08012.694
	CETPU	N403333.75	W0801431.40	N4033.563	W08014.503
	CIBAT	N404434.51	W0800826.10	N4044.575	W08008.435
	DEUSO	N405927.47	W0801333.43	N4059.458	W08013.557
	EDAPY	N403722.26	W0800558.14	N4037.371	W08005.969
	OTIKE	N404213.23	W0800737.68	N4042.221	W08007.626
	RW35	N404746.22	W0800931.69	N4047.770	W08009.532

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW35	00901		45

CITY AND STATE
ZELIENOPLE, PA

ELEVATION: 901 TDZE: 901
 AIRPORT NAME:
ZELIENOPLE MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, ORIG
07 MAY 2009

SUP:
 AMDT: **NONE**
 DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD N WIPUD, RT, 185.26 INBOUND, 2000 FT. IN LIEU OF PT (FAF/IAF)				
3. FAC	185.26	FAF WIPUD/CHS 22.70 DME	DIST FAF TO MAP		THLD
4. MIN. ALT	WIPUD 2000				
8. MSA FROM:	CHS VORTAC 060-160 3100, 160-290 1700, 290-060 2100				

MAG VAR: 5W

EPOCH YEAR: 1985

[illegible]

CHART NOTE: CIRCLING TO RWY 23 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON AFB/INTL ALTIMETER SETTING
AND INCREASE ALL MDA 60 FEET AND CAT C VISIBILITY 1/4 MILE.

FAA FORM 8260-5 / December 2002 (computer generated)

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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: _____																																																																																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">TAKEOFF: _____</td> <td colspan="2">STANDARD _____</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A _____</td> <td colspan="6"></td> </tr> <tr> <td colspan="2">CATEGORY =====></td> <td colspan="3" style="text-align: center;">A</td> <td colspan="3" style="text-align: center;">B</td> <td colspan="3" style="text-align: center;">C</td> <td colspan="3" style="text-align: center;">D</td> <td colspan="3" style="text-align: center;">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																TAKEOFF: _____		STANDARD _____		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																																																																																																
TAKEOFF: _____		STANDARD _____		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 <u>07 MAY 2009</u>																																																																																																																																																																		
CITY AND STATE JACKSON, TN				ELEVATION: 434 TDZE: 434 AIRPORT NAME: MC KELLAR-SIPES RGNL				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 2, ORIG, 09/09/1999				SUP AMDT NONE DATE																																																																																																																																																				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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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: ☐	STANDARD ☐	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 07 MAY 2009

CITY AND STATE JACKSON, TN	ELEVATION: 434 TDZE: 418 AIRPORT NAME: MC KELLAR-SIPES RGNL	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 20, ORIG-A, 09/09/1999	SUP
				AMDT ORIG
				DATE 09/09/1999

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: 4.83 MILES AFTER MERSY LOM OR AT I-MKL 1.15 DME FIX CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2200 DIRECT MK LOM AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2500 VIA MKL VOR/DME R-022 TO PIPKI INT AND HOLD N, RT, 201.91 INBOUND. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 023.23 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N PIPKI INT, RT, 201.91 INBOUND. CHART FAS OBST: 649 TREE 353157N/0885705W CHART IN PLANVIEW: PIPKI INT. CHART VDP AT 2.43 DME. DISTANCE VDP TO THLD 1.28 MILES.							
MIOLA INT/JKS 51.25 DME		MERSY LOM/I-MKL 5.98 DME		085.52 / 21.58				2200									
JKS VOR/DME		MERSY LOM/I-MKL 5.98 DME		258.51 / 29.70				2200									
1. PT <u>R</u> SIDE OF COURSE <u>203.23</u> OUTBOUND <u>2200</u> FT WITHIN <u>10</u> MILES OF <u>MERSY LOM</u> (IAF) 2. _____ 3. FAC: <u>023.23</u> FAF: <u>MERSY LOM</u> DIST FAF TO MAP: <u>4.83</u> THLD: <u>4.83</u> 4. MIN. ALT: <u>MK LOM 2100</u> 5. DIST TO THLD FROM OM: <u>4.83</u> MM: <u>0.41</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1202</u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2053</u> MM: <u>624</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.9</u> 8. MSA FROM: <u>MK LOM 320-080 2600, 080-320 2200</u>																	
												MAG VAR: 1W				EPOCH YEAR: 2010	
MINIMUMS																	
TAKEOFF:		STANDARD		X		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 2		634	1/2	200	634	1/2	200	634	1/2	200	634	1/2	200				
S-LOC 2		900	1/2	466	900	1/2	466	900	3/4	466	900	1	466				
CIRCLING		900	1	466	900	1	466	900	1 1/2	466	1000	2	566				
NOTES: CHART NOTE: ADF REQUIRED. CHART PLANVIEW NOTE: ADF REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYERSBURG ALTIMETER SETTING AND INCREASE ALL DA 92 FEET; ALL MDA 100 FEET, AND INCREASE S-LOC 2 CAT C AND D VISIBILITY 1/4 MILE. SEE 8260-10																	
CITY AND STATE JACKSON, TN				ELEVATION: 434 TDZE: 434				FACILITY IDENTIFIER: I-MKL				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2, AMDT 8 07 MAY 2009				SUP: ILS RWY 2	
				AIRPORT NAME: MC KELLAR-SIPES RGNL												AMDT: 7B	
																DATED 06/08/2006	

 2
 CHECKED

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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NOTES CONT.**CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT****CHART NOTE: WHEN USING DYERSBURG ALTIMETER SETTING; FOR INOPERATIVE MALSR, INCREASE S-ILS 2 ALL****CATS VISIBILITY TO 1 MILE.**

CITY AND STATE

JACKSON, TN

ELEVATION: 434 TDZE: 434

AIRPORT NAME:

MC KELLAR-SIPES RGNLFACILITY
IDENTIFIER:

I-MKL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 2, AMDT 8

07 MAY 2009

SUP: ILS RWY 2

AMDT: 7B

DATED: 06/08/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
STUKA (IAF)	ZIFFO (NOPT) (FB)	113.13 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 3000 DIRECT GARTZ AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 203.29 INBOUND. CHART FAS OBST: 579 TREE 353449N/0885613W CHART FAS OBST: 649 TREE 353157N/0885705W DISTANCE TO THLD FROM 200 HAT: 0.44 NM. CHART VDP AT 1.28 MILES TO RW02* *LNAV ONLY. WAAS CHANNEL # 93511 REFERENCE PATH ID: W02A
TROVE (IAF)	ZIFFO (NOPT) (FB)	293.23 / 5.00	3000	
ZIFFO (IF/IAF)	GLIPP (FB)	023.18 / 6.10	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW ZIFFO, RT, 023.18 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 023.21 FAF: GLIPP DIST FAF TO MAP: 4.98 THLD: 4.98
- MIN. ALT: ZIFFO 3000, GLIPP 2100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2100 GS ALT AT: GLIPP OM: MM: IM:
- GS ANGLE: 3.00 TCH: 58.9 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 1W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	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
LPV DA	634	1/2	200	634	1/2	200	634	1/2	200	634	1/2	200			
LNAV/VNAV DA	887	1	453	887	1	453	887	1	453	887	1	453			
LNAV MDA	900	1/2	466	900	1/2	466	900	3/4	466	900	1	466			
CIRCLING	900	1	466	900	1	466	900	1 1/2	466	1000	2	566			

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYERSBURG ALTIMETER SETTING AND

SEE 8260-10

CITY AND STATE JACKSON, TN	ELEVATION: 434 TDZE: 434 AIRPORT NAME: MC KELLAR-SIPES RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

INCREASE ALL DA 92 FEET AND ALL MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING DYERSBURG ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE.

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

TAA

	FROM	TO	ALT
1.	293/30 CW 113/30 (NOPT)	ZIFFO (IF/IAF) (FB)	3000
2.	113/30 CW 203/30	STUKA (IAF) (FB)	3000
3.	203/30 CW 293/30	TROVE (IAF) (FB)	3000

CITY AND STATE

JACKSON, TN

ELEVATION: 434 TDZE: 434

AIRPORT NAME:

MC KELLAR-SIPES RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KMKL
RUNWAY RW02
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W02A
LTP/FTP LATITUDE 353525.6400N
LTP/FTP LONGITUDE 0885510.9800W
LTP/FTP ELLIPSOIDAL HEIGHT +01039
FPAP LATITUDE 353620.6200N
FPAP LONGITUDE 0885443.4600W
THRESHOLD CROSSING HEIGHT (TCH) 00058.9
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

334B2D78

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +01321
FPAP ORTHOMETRIC HEIGHT +01321

CITY AND STATE

JACKSON, TN

ELEVATION: 434 TDZE: 434
AIRPORT NAME:

MC KELLAR-SIPES RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMKLK7FR02	ASTUKA	010STUKAK7EA0E	A	IF					18000		A JS	
SUSAP	KMKLK7FR02	ASTUKA	020ZIFFOK7EA0EE		010TF		11310050	+	03000			A JS	
SUSAP	KMKLK7FR02	ATROVE	010TROVEK7EA0E	A	IF					18000		A JS	
SUSAP	KMKLK7FR02	ATROVE	020ZIFFOK7EA0EE		010TF		29320050	+	03000			A JS	
SUSAP	KMKLK7FR02	AZIFFO	010ZIFFOK7EA0EE	CR	HF		02320040	+	03000	18000		A JS	
SUSAP	KMKLK7FR02	R	010ZIFFOK7EA0E	I	IF			+	03000	18000		A JS	
SUSAP	KMKLK7FR02	R	020GLIPPK7EA1E	F	051TF		02320061	+	02100			A JS	
SUSAP	KMKLK7FR02	R	020GLIPPK7EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KMKLK7FR02	R	030RW02	K7PG0GY	M	031TF		02320050		00493	-300	A JS	
SUSAP	KMKLK7FR02	R	040GARTZK7EA0EYM		010DF				+	03000		A JS	
SUSAP	KMKLK7FR02	R	050GARTZK7EA0EE		HR02OHM		20330040	+	03000			A JS	

[illegible][illegible]

CITY AND STATE JACKSON, TN	ELEVATION: 434 TDZE: 434 AIRPORT NAME: MC KELLAR-SIPES RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	STUKA	STUKA	010	IAF	IF		FB				
	STUKA	ZIFFO	020		TF		FB	1.0	113.1 (112T)	005.0	03000
	TROVE	TROVE	010	IAF	IF		FB				
	TROVE	ZIFFO	020		TF		FB	1.0	293.2 (292T)	005.0	03000
	ZIFFO	ZIFFO	010		HF	R	FB		023.2 (022T)	004.0	03000
		ZIFFO	010	FACF	IF		FB				03000
		GLIPP	020	FAF	TF		FB	0.5	023.2 (022T)	006.1	02100
		RW02	030	MAP	TF		FO	0.3	023.2 (022T)	005.0	00493

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GARTZ	040		DF		FO	1.0			03000
	GARTZ	050		HM	R	FO	2.0	203.3 (202T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GARTZ	N354637.89	W0884933.67	N3546.632	W08849.561
	GLIPP	N353048.65	W0885729.43	N3530.811	W08857.491
	STUKA	N352702.82	W0890558.58	N3527.047	W08905.976
	TROVE	N352315.96	W0885438.79	N3523.266	W08854.647
	ZIFFO	N352509.52	W0890018.55	N3525.159	W08900.309
	RW02	N353525.64	W0885510.98	N3535.427	W08855.183

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02	00434	59

CITY AND STATE
JACKSON, TN

ELEVATION: 434 TDZE: 434
 AIRPORT NAME:
 MC KELLAR-SIPES RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 2, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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CITY AND STATE

JACKSON, TN

ELEVATION: 434 TDZE: 434

AIRPORT NAME:

MC KELLAR-SIPES RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
YUCDO (IAF)	GARTZ (NOPT) (FB)	293.34 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW20 CLIMB TO 3000 DIRECT ZIFFO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 023.18 INBOUND. CHART FAS OBST: 519 TREE 353700N/0885342W DISTANCE TO THLD FROM 292 HAT: 0.81 NM. WAAS CHANNEL # 40312 REFERENCE PATH ID: W20A CHART 619 TREE 354021N/0885130W
SLUDD (IAF)	GARTZ (NOPT) (FB)	113.23 / 5.00	3000	
GARTZ (IF/IAF)	ZEALS (FB)	203.29 / 6.33	2000	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE GARTZ, RT, 203.29 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 203.26 FAF: ZEALS DIST FAF TO MAP: 4.77 THLD: 4.77
4. MIN. ALT: GARTZ 3000, ZEALS 2000, WITKA/1.60 NM TO RW20 960*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: ZEALS OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 1W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	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	710	1	292	710	1	292	710	1	292	710	1	292			
LNAV/VNAV DA	818	1 1/2	400	818	1 1/2	400	818	1 1/2	400	818	1 1/2	400			
LNAV MDA	780	1	362	780	1	362	780	1	362	780	1 1/4	362			
CIRCLING	880	1	446	900	1	466	900	1 1/2	466	1000	2	566			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).

SEE 8260-10

CITY AND STATE	ELEVATION: 434 TDZE: 418	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, TN	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 20, ORIG	AMDT: NONE
	MC KELLAR-SIPES RGNL		07 MAY 2009	DATED

QUALITY
CHECKED
2

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: BARO-VNAV NA WHEN USING DYERSBURG ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYERSBURG ALTIMETER SETTING AND INCREASE ALL DA 92 FEET ALL MDA 100 FEET, AND INCREASE LPV ALL CATS VISIBILITY 1/2 MILE, LNAV/VNAV 1/4 MILE, LNAV CAT C AND D 1/4 MILE.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*** LNAV ONLY.**

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	113/30 CW 293/30 (NOPT)	GARTZ (IF/IAF) (FB)	3000
2.	293/30 CW 023/30	YUCDO (IAF) (FB)	3000
3.	023/30 CW 113/30	SLUDD (IAF) (FB)	3000

CITY AND STATE

JACKSON, TN

ELEVATION: 434 TDZE: 418

AIRPORT NAME:

MC KELLAR-SIPES RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
2
CONTROLLED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KMKL
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W20A
REFERENCE PATH IDENTIFIER (APPROACH ID)	353620.6200N
LTP/FTP LATITUDE	0885443.4600W
LTP/FTP LONGITUDE	+00972
LTP/FTP ELLIPSOIDAL HEIGHT	353458.0200N
FPAP LATITUDE	0885524.8000W
FPAP LONGITUDE	00050.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	0920
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

D9BDFCEF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01254
FPAP ORTHOMETRIC HEIGHT	+01254

CITY AND STATE

JACKSON, TN

ELEVATION: 434 TOZE: 418

AIRPORT NAME:

MC KELLAR-SIPES RGNL

FACILITY

IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

SUP:	
AMDT:	NONE
DATED:	

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP KMCLK7PR20 RW20 001 0000W20A0N3536206200W08854434600+009720300N3534580200W08855248000106750920000500F400500D9BDFCEF
SUSAP KMCLK7PR20 RW20 002E +01254+01254LPV 40312 000

CITY AND STATE

JACKSON, TN

ELEVATION: 434 TDZE: 418
AIRPORT NAME:
MC KELLAR-SIPES RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 20, ORIG
07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GARTZ	GARTZ	010		HF	R	FB		203.3 (202T)	004.0	03000
	SLUDD	SLUDD	010	IAF	IF		FB				
	SLUDD	GARTZ	020		TF		FB	1.0	113.2 (112T)	005.0	03000
	YUCDO	YUCDO	010	IAF	IF		FB				
	YUCDO	GARTZ	020		TF		FB	1.0	293.3 (292T)	005.0	03000
		GARTZ	010	FACF	IF		FB				03000
		ZEALS	020	FAF	TF		FB	0.5	203.3 (202T)	006.3	02000
		WITKA	021	SDF	TF		FB	0.3	203.3 (202T)	003.2	0096000974
		RW20	030	MAP	TF		FO	0.3	203.3 (202T)	001.6	00461

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZIFFO	040		DF		FO	1.0			03000
	ZIFFO	050		HM	R	FO	2.0	023.2 (022T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GARTZ	N354637.89	W0884933.67	N3546.632	W08849.561
	SLUDD	N354831.71	W0885514.95	N3548.529	W08855.249
	WITKA	N353749.61	W0885358.89	N3537.827	W08853.982
	YUCDO	N354443.80	W0884352.66	N3544.730	W08843.878
	ZEALS	N354045.83	W0885230.53	N3540.764	W08852.509
	ZIFFO	N352509.52	W0890018.55	N3525.159	W08900.309
	RW20	N353620.62	W0885443.46	N3536.344	W08854.724

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	00411	50

CITY AND STATE JACKSON, TN	ELEVATION: 434 TDZE: 418 AIRPORT NAME: MC KELLAR-SIPES RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 02, 11, 20, 29: STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 02 - CLIMB HEADING 023.23 TO 1100 BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 02, VEHICLES ON ROADWAY BEGINNING 489' FROM DER, 594' LEFT OF CENTERLINE, UP TO 15' AGL/439' MSL. TREES BEGINNING 782' FROM DER, 97' LEFT OF CENTERLINE, UP TO 100' AGL/491' MSL. POLES AND TREES BEGINNING 880' FROM DER, 599' RIGHT OF CENTERLINE, UP TO 100' AGL/456 MSL. ANTENNA 2043' FROM DER, 947' LEFT OF CENTERLINE, 61' AGL/470' MSL.

NOTE: RWY 11, TREES BEGINNING 787' FROM DER, 71' LEFT OF CENTERLINE, UP TO 77' AGL/476' MSL. TREES BEGINNING 1080' FROM DER, 215' RIGHT OF CENTERLINE, UP TO 100' AGL/509' MSL.

(CONTINUED ON PAGE 3 OF 4)

(4) CONTROLLING OBSTACLES:

RWY 02: 1141 MSL TOWER, 353847.00N-0884957.00W

(5) City, State

JACKSON, TN

(6) Airport

MC KELLAR/SIPES RGNL

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

AMDT 1

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations 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 unless otherwise indicated, except visibilities which are in
statute miles or in feet RVR.

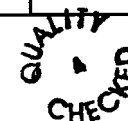
(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 20, VEHICLES ON ROADWAY BEGINNING 41' FROM DER, 221' RIGHT OF CENTERLINE, UP TO 15' AGL/444' MSL. TREES BEGINNING 2970' FROM DER, 877' LEFT OF CENTERLINE, UP TO 100' AGL/528' MSL. TREES BEGINNING 2416' FROM DER, 1040' RIGHT OF CENTERLINE, UP TO 100' AGL/532' MSL. POWERLINES BEGINNING 1893' FROM DER, 972' RIGHT OF CENTERLINE, 40' AGL/499' MSL.

NOTE: RWY 29, LIGHT POLE 40' FROM DER, 402' LEFT OF CENTERLINE, 70' AGL/449' MSL. VEHICLES ON ROADWAY BEGINNING 165' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 17' AGL/434' MSL. TREES BEGINNING 1362' FROM DER, 360' RIGHT OF CENTERLINE, UP TO 100' AGL/486' MSL. TREES BEGINNING 1738' FROM DER, 55 LEFT OF CENTERLINE, UP TO 100' AGL/499' MSL.

City, State JACKSON, TN		Airport MC KELLAR/SIPES RGNL		Effective Date 07 MAY 2009	Amdt. No. AMD T 1
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: 4.30 MILES AFTER OPERY/NASHVILLE VORTAC 4.45 DME/RADAR OR AT BNA VORTAC 0.31 DME FIX CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 300 AND BNA VORTAC R-270 TO BEVEE INT/BNA VORTAC 22.36 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 220 AND GHM VORTAC R-067 TO FUNJO/GHM VORTAC 25.77 DME AND HOLD SW, RT, 067.41 INBOUND. DME AND RADAR REQUIRED. ADDITIONAL FLIGHT DATA: HOLD W, RT, 089.61 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SW FUNJO/GHM VORTAC 25.77 DME, RT, 067.41 INBOUND. CHART FAS OBST: 661 PWR LINE TWR 360940N/0864002W CHART 706 TOWER 360903N/0863953W. CHART MALSF CHART LOC RWY 20L. CHART IN PLANVIEW: FUNJO/GHM VORTAC 25.77 DME. CHART: TDZE RWY 20C 588									
HIKRY/BNA VORTAC 10.85 DME/RADAR (IF/IAF) AKUFF/BNA VORTAC 7.65 DME/RADAR			AKUFF/BNA VORTAC 7.65 DME/RADAR OPERY/BNA VORTAC 4.45 DME/RADAR			199.65 / 3.20 (I-VIY) 199.65 / 3.20 (I-VIY)			3000** 2000												
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HIKRY 3. FAC: <u>199.65</u> FAF: <u>OPERY/BNA VORTAC 4.45 DME/RADAR</u> DIST FAF TO MAP: <u>4.30</u> THLD: <u>4.30</u> 4. MIN. ALT: <u>HIKRY 4000***, AKUFF 3000***, OPERY 2000, MARJG/BNA VORTAC 1.76 DME/RADAR 1100*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: <u>1001</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>OPERY/BNA VORTAC 4.45 DME/RADAR</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>58.9</u> 8. MSA FROM: <u>BNA VORTAC 3100</u>												MAG VAR: <u>2W</u> EPOCH YEAR: <u>1995</u>									
MINIMUMS																					
TAKEOFF:		STANDARD		X		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 20R		778	4000	200	778	4000	200	778	4000	200	778	4000	200								
S-LOC 20R		920	4000	342	920	4000	342	920	4000	342	920	6000	342								
SIDESTEP 20C		960	1	372	960	1	372	960	1 1/2	372	960	2	372								
CIRCLING		1080	1	481	1080	1	481	1120	1 1/2	521	1160	2	561								
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 20R CAT C. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 20L. CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED SEE 8260-10																					
CITY AND STATE				ELEVATION: 599 TDZE: 20R 578				FACILITY IDENTIFIER: I-VIY				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: ILS RWY 20R					
NASHVILLE, TN				AIRPORT NAME: NASHVILLE INTL								ILS OR LOC RWY 20R, AMDT 9				AMDT: 8					
												07 MAY 2009				DATED 08/10/2000					



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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LINE 6 GS ALT AT CONT. 2000

NOTES CONT.

CHART PROFILE NOTE: VGSi AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CHART PROFILE NOTE: **2000 WHEN ASSIGNED BY ATC.

CHART PLANVIEW NOTE: **2000 WHEN ASSIGNED BY ATC.

CHART PROFILE NOTE: %WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

QUALITY
CHECKED

CITY AND STATE

NASHVILLE, TN

ELEVATION: 599

AIRPORT NAME:

NASHVILLE INTL

TDZE: 20R 578

TDZE: 20C 588

FACILITY
IDENTIFIER:

I-VIY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 20R, AMDT 9

07 MAY 2009

SUP: ILS RWY 20R

AMDT: 8

DATED: 08/10/2000

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW20R CLIMB TO 3000 DIRECT RONLE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 019.60 INBOUND. CHART FAS OBST: 706 TOWER 360903N/0863953W CHART MALSF DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 1.09 MILES TO RW20R* *LNAV ONLY. WAAS CHANNEL # 78411 REFERENCE PATH ID: W20A					
BNA VORTAC	HIKRY (FO)			021.08 / 10.85			4000								
TANDS (IAF)	HIKRY (NOPT) (FB)			191.66 / 13.91			4000								
LENON (IAF)	HIKRY (NOPT) (FB)			276.47 / 20.05			4000								
HIKRY (IF/IAF)	AKUFF (FB)			199.69 / 3.20			3000								
AKUFF	OPERY (FB)			199.68 / 3.20			2000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. <u>HOLD N HIKRY, RT, 199.69 INBOUND, 4000 FT. IN LIEU OF PT (IAF)</u> 3. FAC: <u>199.67</u> FAF: <u>OPERY</u> DIST FAF TO MAP: <u>4.30</u> THLD: <u>4.30</u> 4. MIN. ALT: <u>HIKRY 4000, AKUFF 3000, OPERY 2000, MARJG/1.60 NM TO RW20R 1100*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>OPERY 2000</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>58.9</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW20R 3100</u>										MAG VAR: 2W EPOCH YEAR: 1995					
MINIMUMS															
TAKEOFF:	STANDARD	X	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	778	4000	200	778	4000	200	778	4000	200	778	4000	200			
LNAV/VNAV DA	1015	1 1/2	437	1015	1 1/2	437	1015	1 1/2	437	1015	1 1/2	437			
LNAV MDA	980	4000	402	980	4000	402	980	6000	402	980	6000	402			
CIRCLING	1080	1	481	1080	1	481	1120	1 1/2	521	1160	2	561			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS OR LNAV CAT C. 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. *LNAV ONLY															
CITY AND STATE NASHVILLE, TN				ELEVATION: 599 TDZE: 578 AIRPORT NAME: NASHVILLE INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20R, AMDT 1 07 MAY 2009				SUP: AMDT: ORIG DATED 06/13/2002		

 4
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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CITY AND STATE

NASHVILLE, TN

ELEVATION: 599 TDZE: 578

AIRPORT NAME:

NASHVILLE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20R, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 06/13/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KBNA
RUNWAY	RW20R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	360816.2300N
LTP/FTP LONGITUDE	0864042.8370W
LTP/FTP ELLIPSOIDAL HEIGHT	+01401
FPAP LATITUDE	360659.1000N
FPAP LONGITUDE	0864113.0900W
THRESHOLD CROSSING HEIGHT (TCH)	00058.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0144
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

EDFD242D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01693
FPAP ORTHOMETRIC HEIGHT	+01693

CITY AND STATE

NASHVILLE, TN

ELEVATION: 599 TDZE: 578

AIRPORT NAME:

NASHVILLE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20R, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 06/13/2002

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBN	AK7FR20R	ABNA	010BNA	K7D 0V	IF				18000		A	JS
SUSAP	KBN	AK7FR20R	ABNA	020HIKRYK7EA0EY	020TF		02110109	+	04000			A	JS
SUSAP	KBN	AK7FR20R	ABNA	030HIKRYK7EA0EB	CR HF		19970040	+	04000			A	JS
SUSAP	KBN	AK7FR20R	ALENON	010LENONK7EA0E	A IF					18000		A	JS
SUSAP	KBN	AK7FR20R	ALENON	020HIKRYK7EA0EE	010TF		27650201	+	04000			A	JS
SUSAP	KBN	AK7FR20R	ATANDS	010TANDSK7EA0E	A IF					18000		A	JS
SUSAP	KBN	AK7FR20R	ATANDS	020HIKRYK7EA0EE	010TF		19170139	+	04000			A	JS
SUSAP	KBN	AK7FR20R	R	010HIKRYK7EA0E	I IF			+	04000	18000		A	JS
SUSAP	KBN	AK7FR20R	R	011AKUFFK7EA0E	S 051TF		19970032	+	03000			A	JS
SUSAP	KBN	AK7FR20R	R	020OPERYK7EA1E	F 051TF		19970032	+	02000			RW20R	K7PGA JS
SUSAP	KBN	AK7FR20R	R	020OPERYK7EA2WALPV		ALNAV/VNAV	ALNAV						JS
SUSAP	KBN	AK7FR20R	R	021MARJGK7EA0E	S 031TF		19970027	V	0110001127		-300		A JS
SUSAP	KBN	AK7FR20R	R	030RW20RK7PGOGY	M 031TF		19970016		00614		-300		A JS
SUSAP	KBN	AK7FR20R	R	040RONLEK7EA0EYM	010DF			+	03000				A JS
SUSAP	KBN	AK7FR20R	R	050RONLEK7EA0EE	HL020HM		01960040	+	03000				A JS

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 NASHVILLE, TN	ELEVATION: 599 TDZE: 578 AIRPORT NAME: NASHVILLE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20R, AMDT 1 07 MAY 2009	SUP:
				AMDT: ORIG
				DATED: 06/13/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BNA	BNA	010		IF		FB				
	BNA	HIKRY	020		TF		FO	2.0	021.1 (019T)	010.9	04000
	BNA	HIKRY	030		HF	R	FO		199.7 (198T)	004.0	04000
	LENON	LENON	010	IAF	IF		FB				
	LENON	HIKRY	020		TF		FB	1.0	276.5 (275T)	020.1	04000
	TANDS	TANDS	010	IAF	IF		FB				
	TANDS	HIKRY	020		TF		FB	1.0	191.7 (190T)	013.9	04000
		HIKRY	010	FACF	IF		FB				04000
		AKUFF	011	SDF	TF		FB	0.5	199.7 (198T)	003.2	03000
		OPERY	020	FAF	TF		FB	0.5	199.7 (198T)	003.2	02000
		MARJG	021	SDF	TF		FB	0.3	199.7 (198T)	002.7	0110001127
		RW20R	030	MAP	TF		FO	0.3	199.7 (198T)	001.6	00614

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	RONLE	040		DF		FO	1.0			03000
	RONLE	050		HM	L	FO	2.0	019.6 (018T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BNA	N360813.06	W0864105.18	N3608.218	W08641.086
	AKUFF	N361525.62	W0863754.14	N3615.427	W08637.902
	HIKRY	N361828.81	W0863642.00	N3618.480	W08636.700
	LENON	N361657.51	W0861158.33	N3616.959	W08611.972
	MARJG	N360947.84	W0864006.89	N3609.797	W08640.115
	OPERY	N361222.42	W0863906.18	N3612.374	W08639.103
	RONLE	N355650.76	W0864510.97	N3556.846	W08645.183
	TANDS	N363212.96	W0863348.65	N3632.216	W08633.811
	RW20R	N360816.23	W0864042.84	N3608.271	W08640.714

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20R	00555	59

CITY AND STATE
NASHVILLE, TN

ELEVATION: 599 TDZE: 578
 AIRPORT NAME:
NASHVILLE INTL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 20R, AMDT 1
07 MAY 2009

SUP:
 AMDT: **ORIG**
 DATED: **06/13/2002**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR 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	
CRP VORTAC	BKS NDB	212.04 / 55.15	2100	MAP: BKS NDB CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2000 DIRECT BKS NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 348.96 INBOUND. FAS OBST: 389 AAO 270224N/0980810W CHART AIRPORT ELEVATION 113 CHART TDZ ELEVATION 113 FAC CROSSES RWY C/L EXTENDED 3004 FROM THLD.

1. PT	R	SIDE OF COURSE	168.96	OUTBOUND	2000	FT WITHIN	10	MILES OF	BKS NDB	(IAF)
2.										
3.	FAC	348.96	FAF					DIST FAF TO MAP		THLD
4.	MIN. ALT									
8.	MSA FROM: BKS NDB 1900									

MAG VAR: 6E

EPOCH YEAR:2000

MINIMUMS

TAKEOFF:		STANDARD	X	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-35	740	1	627	740	1	627	740	1 3/4	627	740	2	627				
CIRCLING	740	1	627	740	1	627	740	1 3/4	627	740	2	627				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

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

ALL MDA 100 FEET AND INCREASE CATS C AND D VISIBILITY 1/4 MILE.

CHART NOTE: CIRCLING NA FOR CAT D W OF RWY 17-35.

CITY AND STATE FALFURRIAS, TX	ELEVATION: 113 TDZE: 113 AIRPORT NAME: BROOKS COUNTY	FACILITY IDENTIFIER: BKS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 35, AMDT 2 07 MAY 2009	SUP
				AMDT 1A
				DATE 01/24/2002

4/2002

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW17 CLIMBING LEFT TURN TO 3000 DIRECT SALUM AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 539 TOWER 271529N/0980708W CHART 598 TOWER 271721N/0980722W CHART VDP AT 2.12 MILES TO RW17. UWHIP TO RW17: 3.04/45. CHART AIRPORT ELEVATION 113 CHART TDZE 113								
CRP VORTAC	WISOL (FB)	219.75 / 43.39	3000									
LOCOE	WISOL (FB)	277.58 / 23.47	3000									
NELEE	TEBSE (FB)	066.62 / 50.44	3000									
WISOL (IAF)	SALUM (NOPT) (FB)	263.95 / 5.00	3000									
TEBSE (IAF)	SALUM (NOPT) (FB)	083.87 / 5.00	3000									
SALUM (IF/IAF)	UWHIP (FB)	173.91 / 6.10	1700									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N SALUM, RT, 173.91 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>173.91</u> FAF: <u>UWHIP</u> DIST FAF TO MAP: <u>4.78</u> THLD: <u>4.78</u> 4. MIN. ALT: SALUM 3000, UWHIP 1700 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: RW17 1900				MAG VAR: 6E EPOCH YEAR: 2000								
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	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	840	1	727	840	1	727	840	2	727	840	2 1/4	727
CIRCLING	840	1	727	840	1	727	840	2	727	840	2 1/4	727
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALICE ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE CAT B VISIBILITY 1/4 MILE, CAT C AND D VISIBILITY 1/2 MILE. SEE 8260-10												
CITY AND STATE FALFURRIAS, TX		ELEVATION: 113 TDZE: 113 AIRPORT NAME: BROOKS COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 07 MAY 2009			SUP: AMDT: NONE DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: VDP NA WHEN USING ALICE ALTIMETER SETTING.

CHART NOTE: CIRCLING NA FOR CAT D W OF RWY 17-35.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CRP VORTAC AIRWAY RADIALS 169 CW 184.

CITY AND STATE

FALFURRIAS, TX

ELEVATION: 113 TDZE: 113

AIRPORT NAME:

BROOKS COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KBKSK4GRW17	0060051739	N27125262W098071245+0000											

MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KBKSK4SRW17 K4PG		0	18018001925									M	

CITY AND STATE
FALFURRIAS, TX

ELEVATION: 113 TDZE: 113
AIRPORT NAME:
BROOKS COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
CRP		CRP	010		IF		FB				
CRP		WISOL	020	IAF	TF		FB	2.0	219.8 (226T)	043.4	03000
CRP		SALUM	030		TF		FB	1.0	264.0 (270T)	005.0	03000
LOCOE		LOCOE	010		IF		FB				
LOCOE		WISOL	020	IAF	TF		FB	2.0	277.6 (284T)	023.5	03000
LOCOE		SALUM	030		TF		FB	1.0	264.0 (270T)	005.0	03000
NELEE		NELEE	010		IF		FB				
NELEE		TEBSE	020	IAF	TF		FB	2.0	066.6 (073T)	050.4	03000
NELEE		SALUM	030		TF		FB	1.0	083.9 (090T)	005.0	03000
SALUM		SALUM	010		HF	R	FB		173.9 (180T)	004.0	03000
		SALUM	010	FACF	IF		FB				03000
		UWHIP	020	FAF	TF		FB	0.5	173.9 (180T)	006.1	01700
		RW17	030	MAP	TF		FO	0.3	173.9 (180T)	004.9	00158

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SALUM	040		DF	L	FO	1.0			03000
	SALUM	050		HM	R	FO	2.0	173.9 (180T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CRP	N275413.56	W0972641.57	N2754.226	W09726.693
	LOCOE	N271818.25	W0973558.50	N2718.304	W09735.975
	NELEE	N270850.66	W0990655.48	N2708.844	W09906.925
	SALUM	N272347.26	W0980713.60	N2723.788	W09807.227
	TEBSE	N272346.67	W0981250.65	N2723.778	W09812.844
	UWHIP	N271740.24	W0980712.96	N2717.671	W09807.216
	WISOL	N272347.62	W0980136.55	N2723.794	W09801.609
	RW17	N271252.62	W0980712.45	N2712.877	W09807.208

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00113	45

CITY AND STATE
FALFURRIAS, TX

ELEVATION: 113 TDZE: 113
AIRPORT NAME:
BROOKS COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

QUALITY
 4
 CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 14, 17 STANDARD

RWY 32, 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 249' PER NM TO 600.

RWY 35, STANDARD WITH MINIMUM CLIMB OF 250' PER NM TO 800, OR 500-3 WITH MINIMUM CLIMB OF 242' PER NM TO 800, OR 900-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 35-FOR CLIMB IN VISUAL CONDITIONS: CROSS BROOKS COUNTY AIRPORT AT OR ABOVE 900 MSL BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, VEHICLE ON ROAD, 29' FROM DER, 499' LEFT OF CENTERLINE, 15' AGL/129' MSL. TREES BEGINNING 149' FROM DER, 523' LEFT OF CENTERLINE, UP TO 40' AGL/154' MSL. TREES BEGINNING AT DER, 415' RIGHT OF CENTERLINE, UP TO 40' AGL/149' MSL.

NOTE: RWY 17, VEHICLE ON ROAD, AT DER, 364' LEFT OF CENTERLINE, 15' AGL/119' MSL. TREES BEGINNING 15' FROM DER, 331' RIGHT OF CENTERLINE, UP TO 40' AGL/149' MSL. TREES BEGINNING 165' FROM DER, 126' LEFT OF CENTERLINE, UP TO 17' AGL/129' MSL.

NOTE: RWY 32, ROAD AND TREES BEGINNING 587' FROM DER, 35' RIGHT OF CENTERLINE, UP TO 40' AGL/149' MSL. TOWER 1.9 NM FROM DER, 987' LEFT OF CENTERLINE, 298' AGL/418' MSL. (CONT'D)

(4) CONTROLLING OBSTACLES:

RWY 32: 418 MSL TOWER 271407.00N/0980846.00W

RWY 35: 539 MSL TOWER 271529.00N/0980708.00W, (VCOA) 632 MSL TOWER 271519.74N/0980537.14W

(5) City, State FALFURRIAS, TX	(6) Airport BROOKS COUNTY	(7) Effective Date 07 MAY 2009	(8) Amdt. No. 1

QUALITY
1
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A)
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations 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 unless otherwise indicated, except visibilities which are in
statute miles or in feet RVR.

TAKEOFF OBSTACLE NOTES: (CONT'D)

NOTE: RWY 35, VEHICLE ON ROAD, AT DER, 360' RIGHT OF CENTERLINE, 15' AGL/118' MSL. TREE 1,010' FROM DER, 278' RIGHT OF CENTERLINE, 29' AGL/138' MSL. TOWER 2.6 NM
FROM DER, 426' RIGHT OF CENTERLINE, 414' AGL/539' MSL.

City, State FALFURRIAS, TX		Airport BROOKS COUNTY		Effective Date 07 MAY 2009	Amdt. No. 1
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

QUALITY
4
9-15

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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: 6.72 MILES AFTER JACEN/BZU 7.37 DME/RADAR OR AT I-BZU 1.66 DME FIX
MAAKO INTA-BZU 27.80 DME (IAF)	KABBY INTA-BZU 22.81 DME	086.94 / 4.99 (I-BZU)	3000	CLIMB TO 600 THEN CLIMBING LEFT TURN TO 4000 VIA IAH VORTAC R-019 TO CLEEP INT/IAH 22.13 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3100 VIA HUB VOR/DME R-003 TO CLEEP INT/HUB 38.61 DME AND HOLD N, RT, 183.13 INBOUND.
KABBY INTA-BZU 22.81 DME	KICKM INTA-BZU 17.17 DME	086.94 / 5.64 (I-BZU)	3000	
KICKM INTA-BZU 17.17 DME (IF)	FLIBZ A-BZU 10.73 DME/RADAR	086.94 / 6.44 (I-BZU)	3000*	
FLIBZ A-BZU 10.73 DME/RADAR	JACEN A-BZU 7.37 DME/RADAR	086.94 / 3.36 (I-BZU)	2000	ADDITIONAL FLIGHT DATA: HOLD N, RT, 199.13 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N CLEEP INT/HUB 38.61 DME, RT, 183.13 INBOUND. CHART FAS OBST: 264 TOWER 300015N/0952726W CHART 636 TOWER 295834N/0952824W. CHART VDP AT 3.05 DME; DISTANCE VDP TO THLD 1.39 MILES. CHART LOC RWY 8R AND RWY 9.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT MAAKO
- FAC: 086.94 FAF: JACEN A-BZU 7.37 DME/RADAR DIST FAF TO MAP: 5.72 THLD: 5.72
- MIN. ALT: MAAKO 3000, KABBY 3000, KICKM 3000, FLIBZ 3000*, JACEN 2000
- DIST TO THLD FROM OM: MM: IM: 810 150 HAT: 100 HAT: 866 GS ANT: 1140
- MIN GS INCPT: 2000 GS ALT AT: JACEN A-BZU 7.37 DME/RADAR 2000 OM: MM: IM: 190
- GS ANGLE: 3.00 TCH: 59.0
- MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400

MAG VAR: 3E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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 8L	296	1800	200	296	1800	200	296	1800	200	296	1800	200	296	1800	200
S-LOC 8L	600	2400	504	600	2400	504	600	5000	504	600	5000	504	600	6000	504

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 8L: DA 196 MSL, 104 RA, RVR 1200, HAT 100; CAT A, B, C, D.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 8L: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA.
SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 96 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: I-BZU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 8L, AMDT 2 ILS RWY 8L (CAT II), ILS RWY 8L (CAT III) 07 MAY 2009	SUP: AMDT: 1A DATED 06/05/2008

QUALITY
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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: FOR INOPERATIVE ALSF, INCREASE S-ILS 8L CAT E VISIBILITY TO RVR 4000 AND S-LOC 8L CAT E VISIBILITY TO 1 3/4.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8R AND RWY 8.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97

TDZE: 96

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

I-BZU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 8L, AMDT 2
ILS RWY 8L (CAT II), ILS RWY 8L (CAT III)
07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2009

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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		
LASSY INT/IAH 28.16 DME (IAF)	DPLOY INT/IAH 21.16 DME	086.94 / 5.00 (IAH)	7000	ILS: DA LOC: 5.73 MILES AFTER MATON INT/IAH 5.54 DME OR AT IAH 0.20 DME FIX	
DPLOY INT/IAH 21.16 DME	JELLI INT/IAH 15.52 DME	086.94 / 5.64 (IAH)	5000*	CLIMB TO 3000 VIA BVP NDB BEARING 086 TO MKAYE INT AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 VIA HEADING 087 AND DAS VORTAC R-242 TO DAS VORTAC AND HOLD SW, LT, 061.59 INBOUND.	
JELLI INT/IAH 15.52 DME (IF)	EELPO INT/IAH 9.23 DME	086.94 / 6.29 (IAH)	3000*		
EELPO INT/IAH 9.23 DME	MATON INT/IAH 5.54 DME	086.94 / 3.69 (IAH)	2000		
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT LASSY 3. FAC: 086.94 FAF: MATON INT/IAH 5.54 DME DIST FAF TO MAP: 5.73 THLD: 5.73 4. MIN. ALT: LASSY 7000, DPLOY 7000, JELLI 5000*, EELPO 3000*, MATON 2000, SAKCOM-IAH 2.26 DME 940## 5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1040 6. MIN GS INCPT: 2000 GS ALT AT: MATON INT/IAH 5.54 DME 2000 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 48.6 8. MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400				ADDITIONAL FLIGHT DATA: HOLD E, RT, 284.99 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SW DAS VORTAC, LT, 061.59 INBOUND. CHART FAS OBST: 237 TOWER 295931N/0952407W CHART VDP AT 0.85 DME; DISTANCE VDP TO THLD 1.04 MILES. CHART IN PLANVIEW: DAS VORTAC. CHART IAH R-079 AT MKAYE. CHART: LOC RWY 8L AND 9 CHART IN PROFILE: IAH DME ANTENNA. CHART TNY R-142 AT LASSY, AND R-131 AT DPLOY. CHART HUB R-311 AT JELLI, R-321 AT EELPO, R-329 AT MATON, AND R-038 AT MKAYE.	
				MAG VAR: 3E EPOCH YEAR: 2010	

MINIMUMS

TAKEOFF:		STANDARD	X	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 8R /	297	1800	200	297	1800	200	297	1800	200	297	1800	200	297	1800	200
S-LOC 8R /	940	2400	843	940	4000	843	940	2	843	940	2 1/4	843	940	2 1/2	843
SAKCO FIX MINIMUMS															
S-LOC 8R	500	2400	403	500	2400	403	500	4000	403	500	4000	403	500	5000	403

NOTES:
 CHART NOTE: ADF REQUIRED.
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8L AND RWY 9.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT.
 SEE 8260-10

#0 CAT A, B 900-2, CAT C 900-2 1/2,
CAT D 900-2 3/4, CAT E 900-3

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 97 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: IAH	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 8R, AMDT 23 07 MAY 2009	SUP: AMDT: 22B DATED 06/05/2008

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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: FOR INOPERATIVE MALSR, INCREASE S-ILS 8R CAT E VISIBILITY TO RVR 4000, S-LOC 8R CAT E VISIBILITY TO 3 MILES. SAKCO FIX MINIMUMS: FOR INOPERATIVE MALSR, INCREASE S-LOC 8R CAT E VISIBILITY TO 1 1/2 MILES.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 5000.

#LOC ONLY

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 97

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

IAH

PROCEDURE NO / AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 8R, AMDT 23

07 MAY 2009

SUP:

AMDT: 22B

DATED: 06/05/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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	
URANG INT/I-UYO 27.30 DME (IAF)	CHILT INT/I-UYO 22.28 DME	086.95 / 5.02 (I-UYO)	5000	ILS: DA LOC: 5.73 MILES AFTER HYWAY INT/5.57 DME OR AT I-UYO 0.17 DME FIX CLIMB TO 580 THEN CLIMBING RIGHT TURN TO 3000 VIA IAH VORTAC R-130 TO JEBX INT/IAH 18.33 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 580 THEN CLIMBING RIGHT TURN TO 3000 VIA MHF VOR/DME R-296 TO JEBX INT/MHF 21.66 DME AND HOLD SE, LT, 295.50 INBOUND. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 309.94 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SE JEBX INT/MHF 21.66 DME, LT, 295.50 INBOUND. CHART FAS OBST: 270 TWR 295813N/0952335W CHART VDP AT 1.16 DME; DISTANCE VDP TO THLD 1.31 MILES. CHART IN PLANVIEW: JEBX INT/MHF 21.66 DME. CHART TDZE 92. CHART LOC RWY 8L/R. CHART I-UYO DME ANTENNA IN PROFILE.
CHILT INT/I-UYO 22.28 DME	MEDIC INT/I-UYO 16.64 DME	086.95 / 5.64 (I-UYO)	4000*	
MEDIC INT/I-UYO 16.64 DME (IF)	SAYNO INT/I-UYO 10.35 DME	086.95 / 6.29 (I-UYO)	3000*	
SAYNO INT/I-UYO 10.35 DME	HYWAY INT/I-UYO 5.57 DME	086.95 / 4.78 (I-UYO)	2000	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT URANG

3. FAC: 086.95 FAF: HYWAY INT/I-UYO 5.57 DME DIST FAF TO MAP: 5.73 THLD: 5.73

4. MIN. ALT: URANG 5000, CHILT 5000, MEDIC 4000*, SAYNO 3000*, HYWAY 2000

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 1065

6. MIN GS INCPT: 2000 GS ALT AT: HYWAY INT/I-UYO 5.57 DME 2000 OM: MM: IM:

7. GS ANGLE: 3.00 TCH: 55.7

8. MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400 MAG VAR: 3E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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 9		292	2400	200	292	2400	200	292	2400	200	292	2400	200	292	2400	200
S-LOC 9		580	2400	488	580	2400	488	580	4000	488	580	5000	488	580	6000	488

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 9 CAT E VISIBILITY TO RVR 4000 AND S-LOC 9 CAT E VISIBILITY TO 1 3/4.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8L/R.

CHART PLANVIEW NOTE: RADAR REQUIRED.

SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 92 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: I-UYO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 9, AMDT 8 07 MAY 2009	SUP: AMDT: 7A DATED 06/05/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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: VGSi AND ILS GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000.

CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 92

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

HUYO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 9, AMDT 8

07 MAY 2009

SUP:

AMDT: 7A

DATED: 06/05/2008

CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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: 5.72 MILES AFTER JEPNI INTA-JYV 7.46 DME OR AT I-JYV 1.74 DME FIX
VANNN INTA-JYV 28.10 DME ✓ (IAF)	MKAYE INTA-JYV 23.10 DME ✓	266.96 / 5.00 (I-JYV)	7000 ✓	CLIMB TO 3000 THEN LEFT TURN VIA HEADING 240 AND IAH VORTAC R-270 TO LUCEP INT/IAH 22.93 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 THEN VIA BVP NDB BEARING 265 TO LUCEP INT AND HOLD W, RT, 085.02 INBOUND. (ADF REQUIRED).
MKAYE INTA-JYV 23.10 DME ✓	GRIEG INTA-JYV 17.38 DME ✓	266.96 / 5.72 (I-JYV)	5000** ✓	
GRIEG INTA-JYV 17.38 DME ✓ (IF)	KERNS INTA-JYV 10.92 DME ✓	266.96 / 6.46 (I-JYV)	3000** ✓	
KERNS INTA-JYV 10.92 DME ✓	JEPNI INTA-JYV 7.46 DME ✓	266.96 / 3.46 (I-JYV) ✓	2000 ✓	
				ADDITIONAL FLIGHT DATA: ✓ HOLD W, RT, 090.41 INBOUND. ✓ ✓ CHART: ALTERNATE MA HOLDING, HOLD W LUCEP INT, RT, 085.02 INBOUND. ✓ CHART FAS OBST: 183 TREE 295936N/0951833W ✓ CHART VDP AT 2.60 DME; ✓ DISTANCE VDP TO THLD 0.86 MILES. ✓ CHART DAS R-213 AT VANNN, R-225 AT MKAYE. ✓ CHART HUB R-004 AT JEPNI, R-013 AT KERNS, R-028 AT GRIEG. ✓ CHART: LOC RWY 26R AND RWY 27 ✓ CHART TNV R-133 AT LUCEP

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT VANNN ✓
3. FAC: 266.96 FAF: JEPNI INTA-JYV 7.46 DME DIST FAF TO MAP: 5.72 THLD: 5.72
4. MIN. ALT: VANNN 7000, MKAYE 7000, GRIEG 5000**, KERNS 3000**, JEPNI 2000, SOROY/JYV 4.04 DME 880* ✓
5. DIST TO THLD FROM OM: MM: 0.48 IM: 910 150 HAT: 100 HAT: 902 GS ANT: 1042
6. MIN GS INCPT: 2000 GS ALT AT: JEPNI INTA-JYV 7.46 DME 2000 OM: MM: 296 IM: 190
7. GS ANGLE: 3.00 TCH: 55.5
8. MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400 ✓

MAG VAR: 3E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	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 26L ✓	297	1800	200	297	1800	200	297	1800	200	297	1800	200	297	1800	200
S-LOC 26L	880	2400	783	880	4000	783	880	1 3/4	783	880	2	783	880	2 1/4	783

SOROY FIX MINIMUMS

S-LOC 26L	440	2400	343	440	2400	343	440	2400	343	440	4000	343	440	4000	343

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 26L: DA 197 MSL, 104 RA, RVR 1200, HAT 100; CAT A,B,C,D.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 26L: CAT IIIA RVR 700; CAT A,B,C,D. CAT IIIB RVR 600; CAT A,B,C,D. CAT IIC NA.
SEE 8260-10

@ CAT C 800-2 1/4, CAT D 800-2 1/2, CAT E 800-2 3/4
CAT A/B 800-2, CAT C 800-2 1/4, CAT D 800-2 1/2, CAT E 800-2 3/4

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 97 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: I-JYV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 26L, AMDT 19 ILS RWY 26L (CAT II), ILS RWY 26L (CAT II) 07 MAY 2009	SUP: AMDT: 18A DATED 06/05/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26R AND RWY 27.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGSi AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE

S-ILS 26L CAT E VISIBILITY TO RVR 4000, S-LOC 26L CAT E VISIBILITY TO 2 3/4 MILES. SORRY FIX

MINIMUMS: FOR INOPERATIVE ALSF, INCREASE S-LOC 26L CAT E VISIBILITY TO RVR 6000.

CHART PROFILE NOTE: ** WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 5000.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97

TDZE: 97

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

I-JV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 26L, AMDT 19
ILS RWY 26L (CAT II), ILS RWY 26L (CAT III)

07 MAY 2009

SUP:

AMDT: 18A

DATED: 06/05/2009

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: 5.70 MILES AFTER OWELL/OND 7.37 DME/RADAR OR AT I-OND 1.67 DME FIX CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 VIA IAH VORTAC R-344 TO PEPBI INT/IAH 20.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 VIA HUB VOR/DME R-344 TO PEPBI INT/HUB 38.39 DME AND HOLD N, RT, 163.97 INBOUND. ADDITIONAL FLIGHT DATA: HOLD N, RT, 164.17 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N PEPBI INT/HUB 38.39 DME, RT, 163.97 INBOUND. CHART FAS OBST: 265 TOWER 300015N/0951442W CHART 657 TOWER 300020N/0951300W. CHART VDP AT 2.82 DME; DISTANCE VDP TO THLD 1.25 MILES. CHART IN PLANVIEW: PEPBI INT/HUB 38.39 DME. CHART LOC RWY 26L AND RWY 27.	
ZAPPO INT/I-OND 28.31 DME (IAF)	NEWLY INT/I-OND 23.27 DME	266.96 / 5.04 (I-OND)	3000		
NEWLY INT/I-OND 23.27 DME	RAIDS INT/I-OND 17.55 DME	266.96 / 5.72 (I-OND)	3000*		
RAIDS INT/I-OND 17.55 DME (IF)	CHUBS INT/I-OND 11.12 DME	266.96 / 6.43 (I-OND)	2000*		
CHUBS INT/I-OND 11.12 DME	OWELL/I-OND 7.37 DME/RADAR	266.96 / 3.75 (I-OND)	2000		
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT ZAPPO 3. FAC: <u>266.96</u> FAF: <u>OWELL/I-OND 7.37 DME/RADAR</u> DIST FAF TO MAP: <u>5.70</u> THLD: <u>5.70</u> 4. MIN. ALT: <u>ZAPPO 3000, NEWLY 3000, RAIDS 3000*, CHUBS 2000*, OWELL 2000</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>780</u> 150 HAT: <u> </u> 100 HAT: <u>807</u> GS ANT: <u>1140</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>OWELL/I-OND 7.37 DME/RADAR 2000</u> OM: <u> </u> MM: <u> </u> IM: <u>192</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>59.4</u> 8. MSA FROM: <u>IAH VORTAC 015-230 3100, 230-015 2400</u>				MAG VAR: 3E EPOCH YEAR: 2010	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: STANDARD LOC: STANDARD
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
8-ILS 26R	297	1800	200	297	1800
8-LOC 26R	560	2400	463	560	2400
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. 8-ILS 26R: DA 197 MSL, 101 RA, RVR 1200, HAT 100; CAT A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. 8-ILS 26R: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 800; CAT A, B, C, D. CAT IIIC NA. SEE 8260-10					
CITY AND STATE	ELEVATION: 97 TDZE: 97		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
HOUSTON, TX	AIRPORT NAME:		I-OND	ILS OR LOC RWY 26R, AMDT 2 ILS RWY 26R (CAT II), ILS RWY 26R (CAT III) 07 MAY 2009	
GEORGE BUSH INTERCONTINENTAL/HOUSTON			SUP:		AMDT: 1A
			DATED		06/05/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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: FOR INOPERATIVE ALSF, INCREASE S-ILS 26R CAT E VISIBILITY TO RVR 4000 AND S-LOC 26R

CAT E VISIBILITY TO 1 3/4 MILE.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26L AND RWY 27.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 2000 OR 3000.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97

TDZE: 97

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

I-OND

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 26R, AMDT 2
ILS RWY 26R (CAT II), ILS RWY 26R (CAT III)

07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2008

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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	
SILLS INTA-GHI 27.00 DME (IAF)	TRANN INTA-GHI 21.96 DME	266.96 / 5.04 (I-GHI)	5000	ILS: DA LOC: 4.22 MILES AFTER REDOC INTA-GHI 6.02 DME OR AT I-GHI 1.80 DME FIX CLIMB TO 520 THEN CLIMBING LEFT TURN TO 3000 VIA IAH VORTAC R-215 TO TICoy INT/IAH 20.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 520 THEN CLIMBING LEFT TURN TO 3000 VIA SGR NDB BEARING 035 TO TICoy INT AND HOLD SW, RT, 034.75 INBOUND. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, RT, 034.90 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SW TICoy INT RT, 034.75 INBOUND. CHART FAS OBST: 228 TOWER 295859N/0951529W CHART 264 TOWER 295848N/0951239W. CHART VDP AT 2.95 DME; DISTANCE VDP TO THLD 1.14 MILES. CHART TDZE: 88. CHART LOC RWY 26L/R.
TRANN INTA-GHI 21.96 DME	DENTO INTA-GHI 16.24 DME	266.96 / 5.72 (I-GHI)	4000*	
DENTO INTA-GHI 16.24 DME (IF)	FESTA INTA-GHI 9.95 DME	266.96 / 6.29 (I-GHI)	2000*	
FESTA INTA-GHI 9.95 DME	REDOC INTA-GHI 6.02 DME	266.96 / 3.93 (I-GHI)	1500	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT SILLS
3. FAC: 266.96 FAF: REDOC INTA-GHI 6.02 DME DIST FAF TO MAP: 4.22 THLD: 4.22
4. MIN. ALT: SILLS 5000, TRANN 5000, DENTO 4000*, FESTA 2000*, REDOC 1500
5. DIST TO THLD FROM OM: MM: IM: 873 150 HAT: 100 HAT: 901 GS ANT: 1035
6. MIN GS INCPT: 1500 GS ALT AT: REDOC INTA-GHI 6.02 DME 1500 OM: MM: IM: 185
7. GS ANGLE: 3.00 TCH: 55.0
8. MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400

MAG VAR: 3E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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	288	1800	200	288	1800	200	288	1800	200	288	1800	200	288	1800	200
S-LOC 27	620	2400	432	520	2400	432	520	4000	432	520	5000	432	520	5000	432

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 27: DA 188 MSL, 101 RA, RVR 1200, HAT 100; CAT A,B,C,D.

CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 27: CAT IIIA RVR 700; CAT A,B,C,D. CAT IIIB RVR 600; CAT A,B,C,D. CAT IIIC NA.

SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 88 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: I-GHI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 7 ILS RWY 27 (CAT II), ILS RWY 27 (CAT III) 07 MAY 2009	SUP: AMDT: 6A DATED 06/05/2009

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR 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: FOR INOPERATIVE ALSF, INCREASE S-ILS 27 CAT E VISIBILITY TO RVR 4000 AND S-LOC 27 CAT E VISIBILITY TO 1 1/2.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 28L/R.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGSB AND ILS GLIDE PATH NOT COINCIDENT.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDE PATH AT 2000 OR 4000.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 88

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

I-GHI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 27, AMDT 7
ILS RWY 27 (CAT II), ILS RWY 27 (CAT III)

07 MAY 2009

SUP:

AMDT: 6A

DATED: 06/05/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV/VNAV: DA LNAV: RW08L CLIMB TO 4000 DIRECT JAMSU AND VIA 021.52 TRACK TO CLEP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 201.52 INBOUND. CHART FAS OBST: 128 POLE 300032N/0952142W FAS OBST: 324 AAO 300115N/0952604W CHART 636 TOWER 295034N/0952824W. DISTANCE TO THLD FROM 338 HAT: 0.89 NM. CHART VDP AT 1.35 MILES TO RW08L *LNAV ONLY.
MAAKO (IAF)	KABBY (FB)	084.69 / 4.99	3000	
KABBY	KICKM (FB)	084.74 / 5.64	3000	
KICKM (IF)	FLIBZ (FB)	084.79 / 6.44	3000&	
FLIBZ	JACEN (FB)	084.84 / 3.36	2000	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT MAAKO
- FAC: 084.89 FAF: JACEN DIST FAF TO MAP: 5.72 THLD: 5.72
- MIN. ALT: MAAKO 3000, KABBY 3000, KICKM 3000, FLIBZ 3000&, JACEN 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: JACEN OM: MM: IM:
- GS ANGLE: 3.00 TCH: 59.0 34:1 IS CLEAR
- MSA FROM: RW08L 3100

MAG VAR: 5E EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	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/VNAV DA	434	4000	338	434	4000	338	434	4000	338	434	4000	338	434	4000	338	
LNAV MDA	580	2400	484	580	2400	484	580	4000	484	580	5000	484	580	6000	484	

NOTES:
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV CAT E VISIBILITY TO RVR 6000, AND LNAV CAT E TO 1 3/4.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 96 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 8L, AMDT 3 07 MAY 2009	SUP:
				AMDT: 2
				DATED 06/05/2008

QUALITY
CHECKED
2

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: &WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 96

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) Z RWY 8L, AMDT 3

07 MAY 2009

SUP:

AMDT: 2

DATED: 06/05/2008

QUALITY
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.

[illegible][illegible][illegible][illegible][illegible]

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 96	FACILITY IDENTIFIER: RNAV	PROCEDURE NO / AMDT NO / EFFECTIVE DATE: RNAV (GPS) Z RWY 8L, AMDT 3 07 MAY 2009	SUP:
	AIRPORT NAME:			AMDT: 2
	GEORGE BUSH INTERCONTINENTAL/HOUSTON			DATED: 06/05/2009

2008 MAY 11
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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. Cellings are 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
HOUSTON, TX

ELEVATION: 97 TDZE: 96
AIRPORT NAME:
GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 8L, AMDT 3
07 MAY 2009

SUP:

AMDT: 2

DATED: 06/05/2008

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MAAKO	MAAKO	010	IAF	IF		FB				
	MAAKO	KABBY	020		TF		FB	1.0	084.7 (090T)	005.0	03000
	MAAKO	KICKM	030		TF		FB	1.0	084.7 (090T)	005.6	03000
		KICKM	010	PACF	IF		FB				03000
		FLIBZ	011	SDF	TF		FB	0.5	084.8 (090T)	006.4	03000
		JACEN	020	FAF	TF		FB	0.5	084.8 (090T)	003.4	02000
		RW08L	030	MAP	TF		FO	0.3	084.9 (090T)	005.7	00151

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JAMSU	040		DP		FO	1.0			
	CLEEP	050		TF		FO	1.0	021.5 (027T)		04000
	CLEEP	060		HM	R	FO	2.0	201.5 (207T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLEEP	N301738.95	W0951017.61	N3017.649	W09510.294
	FLIBZ	N300024.77	W0953158.72	N3000.413	W09531.979
	JACEN	N300025.26	W0952806.69	N3000.421	W09528.112
	JAMSU	N300025.85	W0952011.79	N3000.431	W09520.197
	KABBY	N300022.19	W0954553.21	N3000.370	W09545.887
	KICKM	N300023.59	W0953923.46	N3000.393	W09539.391
	MAAKO	N300020.69	W0955138.03	N3000.345	W09551.634
	RW08L	N300025.78	W0952131.65	N3000.430	W09521.528

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08L	00092	59

CITY AND STATE
HOUSTON, TX

ELEVATION: 97 TDZE: 96
 AIRPORT NAME:
 GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Z RWY 8L, AMDT 3
 07 MAY 2009

SUP:
 AMDT: 2
 DATED: 06/05/2008

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
LASSY (IAF) ✓	DPLOY (FB) ✓	084.69 / 5.00 ✓	7000 ✓	LNAV/VNAV: DA LNAV: RW08R ✓
DPLOY ✓	JELLI (FB) ✓	084.73 / 5.64 ✓	5000** ✓	
JELLI (IF) ✓	EELPO (FB) ✓	084.79 / 6.28 ✓	3000** ✓	CLIMB TO 3000 DIRECT MKAYE AND HOLD. ✓
EELPO	MATON (FB)	084.85 / 3.69	2000	
				ADDITIONAL FLIGHT DATA: ✓ HOLD E, RT, 265.17 INBOUND. ✓ CHART FAS OBST: 247 TOWER 295857N/0952149W ✓ CHART FAS OBST: 259 ATCT 295912N/0952106W ✓ CHART 290 TOWER 300037N/0952802W. ✓ DISTANCE TO THLD FROM 447 HAT: 1.25 NM. ✓ CHART VDP AT 1.10 MILES TO RW08R* *LNAV ONLY.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT LASSY ✓
- FAC: 084.88 FAF: MATON DIST FAF TO MAP: 5.73 THLD: 5.73
- MIN. ALT: LASSY 7000, DPLOY 7000, JELLI 5000**, EELPO 3000**, MATON 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: MATON ✓ OM: MM: IM:
- GS ANGLE: 3.00 ✓ TCH: 48.6 / 34:1 IS CLEAR
- MSA FROM: RW08R 3100 ✓

MAG VAR: 5E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	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	
LNAV/VNAV DA ✓	544	5000	447	544	5000	447	544	5000	447	544	5000	447	544	5000	447	
LNAV MDA ✓	520	2400	423	520	2400	423	520	4000	423	520	5000	423	520	5000	423	

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 97 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 8R, AMDT 2 07 MAY 2009	SUP: AMDT: 1A DATED 06/05/2008

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 1/2 MILES, LNAV CAT D VISIBILITY TO RVR 6000, AND CAT E VISIBILITY TO 1 1/2 MILES.

CHART PROFILE NOTE: ** WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 5000.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97

TDZE: 97

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) Z RWY 8R, AMDT 2

07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2008

2
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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIAHK4FR08RZ	ALASSY	010LASSYK4EA0E	A	IF						18000		B JS	
SUSAP KIAHK4FR08RZ	ALASSY	020DPLYK4EA0E		010TF		08470050	+	07000				B JS	
SUSAP KIAHK4FR08RZ	ALASSY	030JELLIK4EA0EE		010TF		08470056	+	05000				B JS	
SUSAP KIAHK4FR08RZ	R	010JELLIK4EA0E	I	IF						18000		B JS	
SUSAP KIAHK4FR08RZ	R	011EELPOK4EA0E	S	051TF		08480063	+	03000				B JS	
SUSAP KIAHK4FR08RZ	R	020MATONK4EA1E	F	051TF		08490037	+	02000			RW08R K4PGB	JS	
SUSAP KIAHK4FR08RZ	R	020MATONK4EA2WN			ALNAV/VNAV	ALNAV						JS	
SUSAP KIAHK4FR08RZ	R	030RW08RR4PG0GY	M	031TF		08490057		00145		-300		B JS	
SUSAP KIAHK4FR08RZ	R	040MKAYEK4EA0EYM		010DF				+	03000			B JS	
SUSAP KIAHK4FR08RZ	R	050MKAYEK4EA0EE		HR020HM		26520040	+	03000				B JS	

[illegible][illegible]

SUP:	
AMDT:	1A
DATED:	06/05/2

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LASSY	LASSY	010	IAF	IF		FB				
	LASSY	DEPLOY	020		TF		FB	1.0	084.7 (090T)	005.0	07000
	LASSY	JELLI	030		TF		FB	1.0	084.7 (090T)	005.6	05000
		JELLI	010	FACF	IF		FB				05000
		EELPO	011	SDF	TF		FB	0.5	084.8 (090T)	006.3	03000
		MATON	020	FAF	TF		FB	0.5	084.9 (090T)	003.7	02000
		RW08R	030	MAP	TF		FO	0.3	084.9 (090T)	005.7	00145

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MKAYE	040		DF		FO	1.0			03000
	MKAYE	050		HM	R	FO	2.0	265.2 (270T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DEPLOY	N295932.66	W0954553.04	N2959.544	W09545.884
	EELPO	N295935.26	W0953208.75	N2959.588	W09532.146
	JELLI	N295934.07	W0953923.35	N2959.568	W09539.389
	LASSY	N295931.14	W0955138.51	N2959.519	W09551.642
	MATON	N295935.77	W0952754.06	N2959.596	W09527.901
	MKAYE	N295934.98	W0945455.07	N2959.583	W09454.918
	RW08R	N295936.30	W0952117.87	N2959.605	W09521.298

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08R	00096	49

CITY AND STATE
HOUSTON, TX

ELEVATION: 97 TDZE: 97
AIRPORT NAME:
GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 8R, AMDT 2
07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2008 2

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
URANG (IAF)	CHILT (FB)	084.89 / 5.02	5000	LNAV/VNAV: DA LNAV: RW09			
CHILT	MEDIC (FB)	084.73 / 5.84	4000*				
MEDIC (IF)	SAYNO (FB)	084.79 / 6.29	3000*	CLIMB TO 3000 DIRECT GOPEY AND VIA 136.72 TRACK TO JEBX AND HOLD.			
SAYNO	HYWAY (FB)	084.85 / 4.78	2000				
				ADDITIONAL FLIGHT DATA: HOLD SE, LT, 316.72 INBOUND. CHART FAS OBST: 259 ANT 296912N/0952106W CHART FAS OBST: 270 TWR 295813N/0952335W DISTANCE TO THLD FROM 455 HAT: 1.25 NM. CHART VDP AT 1.63 MILES TO RW09* *LNAV ONLY. CHART TDZE 92.			
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT URANG 3. FAC: <u>084.89</u> FAF: <u>HYWAY</u> DIST FAF TO MAP: <u>5.73</u> THLD: <u>5.73</u> 4. MIN. ALT: <u>URANG 5000, CHILT 5000, MEDIC 4000*, SAYNO 3000*, HYWAY 2000</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> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>HYWAY</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.7</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW09 3100</u>							
				MAG VAR: 5E EPOCH YEAR: 2000			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD		
CATEGORY =====>	A		B		C		E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LNAV/VNAV DA	547	5000	455	547	5000	455	547
LNAV MDA	680	2400	588	680	2400	588	680
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10							
CITY AND STATE		ELEVATION: 97 TDZE: 92		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
HOUSTON, TX		AIRPORT NAME:		RNAV		RNAV (GPS) Z RWY 9, AMDT 3	
		GEORGE BUSH INTERCONTINENTAL/HOUSTON				07 MAY 2009	
						SUP:	
						AMDT: 2A	
						DATED 06/05/2008	

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 1/2 AND LNAV CAT E VISIBILITY TO 2.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97

TDZE: 92

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 9, AMDT 3

07 MAY 2009

SUP:

AMDT:

2A

DATED:

06/05/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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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SUP: _____
AMDT: 2A
DATED: 06/05/2008

6/2008
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

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0 18018003125

M

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 92

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) Z RWY 9, AMDT 3

07 MAY 2009

SUP:

AMDT: 2A

DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	URANG	URANG	010	IAF	IF		FB				
	URANG	CHILT	020		TF		FB	1.0	084.7 (090T)	005.0	05000
	URANG	MEDIC	030		TF		FB	1.0	084.7 (090T)	005.6	04000
		MEDIC	010	FACF	IF		FB				04000
		SAYNO	011	SDF	TF		FB	0.5	084.8 (090T)	006.3	03000
		HYWAY	020	FAP	TF		FB	0.5	084.9 (090T)	004.8	02000
		RW09	030	MAP	TF		FO	0.3	084.9 (090T)	005.7	00148

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GOPEY	040		DF		FO	1.0			
	JEBOX	050		TF		FO	1.0	136.7 (142T)		03000
	JEBOX	060		HM	L	FO	2.0	316.7 (322T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHILT	N295835.62	W0954553.03	N2958.594	W09545.884
	GOPEY	N295839.39	W0951842.15	N2958.657	W09518.703
	HYWAY	N295838.86	W0952638.39	N2958.648	W09526.640
	JEBOX	N294425.30	W0950550.35	N2944.422	W09505.839
	MEDIC	N295837.03	W0953923.40	N2958.617	W09539.390
	SAYNO	N295838.21	W0953208.87	N2958.637	W09532.148
	URANG	N295834.09	W0955139.62	N2958.568	W09551.660
	RW09	N295839.33	W0952002.79	N2958.656	W09520.047

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00092	56

CITY AND STATE
HOUSTON, TX

ELEVATION: 97 TDZE: 92
 AIRPORT NAME:
 GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Z RWY 9, AMDT 3
 07 MAY 2009

SUP:
 AMDT: 2A
 DATED: 06/05/2009

2
 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
VANNN (IAF)	MKAYE (FB)	265.21 / 5.00	7000	LNAV/VNAV: DA LNAV: RW26L
MKAYE	GRIEG (FB)	265.16 / 5.72	5000**	CLIMB TO 3000 DIRECT LUCEP AND HOLD.
GRIEG (IF)	KERNS (FB)	265.11 / 6.46	3000**	
KERNS	JEPNI (FB)	265.04 / 3.46	2000	ADDITIONAL FLIGHT DATA: HOLD W, RT, 084.73 INBOUND. CHART FAS OBST: 224 TOWER 300009N/0951815W CHART FAS OBST: 424 CTRL TWR 295903N/0951941W CHART 557 TOWER 300020N/0951300W DISTANCE TO THLD FROM 483 HAT: 1.35 NM. CHART VDP AT 1.62 MILES TO RW26L* *LNAV ONLY.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT VANNN
- FAC: 265.01 FAF: JEPNI DIST FAF TO MAP: 5.72 THLD: 5.72
- MIN. ALT: VANNN 7000, MKAYE 7000, GRIEG 5000**, KERNS 3000**, JEPNI 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: JEPNI OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.5 34:1 IS CLEAR
- MSA FROM: RW26L 3100

MAG VAR: 5E

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	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/VNAV DA	580	6000	483	580	6000	483	580	6000	483	580	6000	483	580	6000	483
LNAV MDA	680	2400	583	680	2400	583	680	5000	583	680	6000	583	680	1 1/2	583

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGS AND RNAV GLIDEPATH NOT COINCIDENT.

SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 97 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 26L, AMDT 2 07 MAY 2009	SUP: AMDT: 1A DATED 06/05/2004

QUALITY
1
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 3/4 MILES AND LNAV CAT E VISIBILITY TO 2 MILES.

CHART PROFILE NOTE: ** WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 5000.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97

TDZE: 97

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 26L, AMDT 2

07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2004

QUALITY
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.

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PAGE 3 OF 4 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	VANNN	VANNN	010	IAF	IF		FB				
	VANNN	MKAYE	020		TF		FB	1.0	265.2(270T)	005.0	07000
	VANNN	GRIEG	030		TF		FB	1.0	265.2(270T)	005.7	05000
		GRIEG	010	FACF	IF		FB				05000
		KERNS	011	SDF	TF		FB	0.5	265.1(270T)	006.5	03000
		JEPNI	020	PAF	TF		FB	0.5	265.0(270T)	003.5	02000
		RW26L	030	MAP	TF		FO	0.3	265.0(270T)	005.7	00150

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	LUCEP	040		DF		FO	1.0			03000
	LUCEP	050		HM	R	FO	2.0	084.7(090T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GRIEG	N295935.80	W0950130.30	N2959.597	W09501.505
	JEPNI	N295936.46	W0951255.77	N2959.608	W09512.930
	KERNS	N295936.36	W0950856.65	N2959.606	W09508.944
	LUCEP	N295932.38	W0954702.14	N2959.540	W09547.036
	MKAYE	N295934.98	W0945455.07	N2959.583	W09454.918
	VANNN	N295933.99	W0944909.60	N2959.567	W09449.160
	RW26L	N295936.38	W0951930.95	N2959.606	W09519.516

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
RW26L	00094 56	

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 97	FACILITY IDENTIFIER: RNAV	PROCEDURE NO / AMDT NO / EFFECTIVE DATE: RNAV (GPS) Z RWY 26L, AMDT 2 07 MAY 2009	SUP:
	AIRPORT NAME:			AMDT: 1A
	GEORGE BUSH INTERCONTINENTAL/HOUSTON			DATED: 06/05/2004

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV/VNAV: DA LNAV: RW26R CLIMB TO 3000 DIRECT CIPOD AND VIA 343.47 TRACK TO PEPBI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 163.47 INBOUND. CHART FAS OBST: 281 TOWER 300059N/0951947W CHART FAS OBST: 295 TOWER 300122N/0951501W CHART 557 TOWER 300020N/0951300W. DISTANCE TO THLD FROM 501 HAT: 1.39 NM. CHART VDP AT 1.40 MILES TO RW26R* *LNAV ONLY.
ZAPPO (IAF)	NEWLY (FB)	265.22 / 5.04	3000	
NEWLY	RAIDS (FB)	265.17 / 5.72	3000&	
RAIDS (IF)	CHUBS (FB)	265.12 / 6.43	2000&	
CHUBS	OWELL (FB)	265.05 / 3.75	2000	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT ZAPPO
3. FAC: 265.01 FAF: OWELL DIST FAF TO MAP: 5.70 THLD: 5.70
4. MIN. ALT: ZAPPO 3000, NEWLY 3000, RAIDS 3000&, CHUBS 2000&, OWELL 2000
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: OWELL OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 59.4 34:1 IS CLEAR
8. MSA FROM: RW26R 3100

MAG VAR: 6E

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	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/VNAV DA	598	6000	501	598	6000	501	598	6000	501	598	6000	501	598	6000	501
LNAV MDA	600	2400	503	600	2400	503	600	5000	503	600	5000	503	600	6000	503

NOTES:

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV CAT E AND LNAV CAT E VISIBILITY TO 1 3/4 MILES.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).

CHART NOTE: DME/DME RNP-0.3 NA.

SEE 8260-10

CITY AND STATE	ELEVATION: 97 TDZE: 97	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HOUSTON, TX	AIRPORT NAME:	RNAV	RNAV (GPS) Z RWY 26R, AMDT 2	AMDT: 1A
	GEORGE BUSH INTERCONTINENTAL/HOUSTON		07 MAY 2009	DATED 06/05/2008

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: &WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 2000 OR 3000.

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 97

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO / EFFECTIVE DATE:

RNAV (GPS) Z RWY 26R, AMDT 2

07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2008

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)[illegible][illegible][illegible][illegible][illegible]

CITY AND STATE
HOUSTON, TX

ELEVATION: 97 TDZE: 97
AIRPORT NAME:
GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY IDENTIFIER:
BNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 26R, AMDT 2
07 MAY 2009

SUP:	
AMDT:	1A
DATED:	06/05/2008

QUALITY
2008 2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

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CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 97

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO / EFFECTIVE DATE:

RNAV (GPS) Z RWY 26R, AMDT 2

07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2009

QUALITY
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZAPPO	ZAPPO	010	IAF	IF		FB				
	ZAPPO	NEWLY	020		TF		FB	1.0	265.2 (270T)	005.0	03000
	ZAPPO	RAIDS	030		TF		FB	1.0	265.2 (270T)	005.7	03000
		RAIDS	010	FACF	IF		FB				03000
		CHUBS	011	SDF	TF		FB	0.5	265.1 (270T)	006.4	02000
		OWELL	020	PAF	TF		FB	0.5	265.1 (270T)	003.8	02000
		RW26R	030	MAP	TF		FO	0.3	265.0 (270T)	005.7	00154

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIPOD	040		DF		FO	1.0			
	PEPBI	050		TF		FO	1.0	343.5 (349T)		03000
	PEPBI	060		HM	R	FO	2.0	163.5 (169T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHUBS	N300025.83	W0950856.25	N3000.431	W09508.938
	CIPOD	N300025.80	W0952109.78	N3000.430	W09521.163
	NEWLY	N300024.42	W0945456.63	N3000.407	W09454.944
	OWELL	N300025.94	W0951315.11	N3000.432	W09513.252
	PEPBI	N301706.28	W0952505.01	N3017.105	W09525.084
	RAIDS	N300025.26	W0950131.90	N3000.421	W09501.532
	ZAPPO	N300023.40	W0944908.34	N3000.390	W09449.139
	RW26R	N300025.86	W0951949.29	N3000.431	W09519.822

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26R	00095	59

CITY AND STATE
HOUSTON, TX

ELEVATION: 97 TDZE: 97
 AIRPORT NAME:
 GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Z RWY 26R, AMDT 2
 07 MAY 2009

SUP:
 AMDT: 1A
 DATED: 06/05/2008

CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SILLS (IAF)	TRANN (FB)	265.20 / 5.04	5000	LNAV/VNAV: DA LNAV: RW27 CLIMB TO 3000 DIRECT FOBIN AND VIA 209.22 TRACK TO TIC0Y AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 029.22 INBOUND. CHART FAS OBST: 204 TOWER 295840N/0951858W CHART FAS OBST: 257 TOWER 295806N/0951841W CHART 657 TOWER 300020N/0951300W. DISTANCE TO THLD FROM 462 HAT: 1.25 NM. CHART VDP AT 1.14 MILES TO RW 27** **LNAV ONLY. CHART: TDZE 88
TRANN	DENTO (FB)	265.15 / 5.72	4000*	
DENTO (IF)	FESTA (FB)	265.10 / 6.29	2000*	
FESTA	REDOC (FB)	265.04 / 3.93	1500	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT SILLS
- FAC: 265.00 FAF: REDOC DIST FAF TO MAP: 4.22 THLD: 4.22
- MIN. ALT: SILLS 5000, TRANN 5000, DENTO 4000*, FESTA 2000*, REDOC 1500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1500 GS ALT AT: REDOC OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
- MSA FROM: RW27 3100

MAG VAR: 5E

EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	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/VNAV DA	540	5000	452	540	5000	452	540	5000	452	540	5000	452	540	5000	452	
LNAV MDA	520	2400	432	520	2400	432	520	4000	432	520	5000	432	520	5000	432	

NOTES:
 CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV AND LNAV CAT E VISIBILITY TO 1 1/2.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: RADAR REQUIRED
 SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 97 TDZE: 88 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 27, AMDT 2 07 MAY 2009	SUP: AMDT: 1A DATED 06/05/2008

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART PROFILE NOTE: VGSJ AND RNAV GLIDEPATH NOT COINCIDENT.****CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 2000 OR 4000.**

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 88

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 27, AMDT 2

07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KIAHK4FR27-Z ASILLS	010SILLSK4EA0E	A	IF						18000			B JS	
SUSAP KIAHK4FR27-Z ASILLS	020TRANNK4EA0E		010TF			26520050		+ 05000				B JS	
SUSAP KIAHK4FR27-Z ASILLS	030DENTOK4EA0EE		010TF			26520057		+ 04000				B JS	
SUSAP KIAHK4FR27-Z R	010DENTOK4EA0E	I	IF					+ 04000	18000			B JS	
SUSAP KIAHK4FR27-Z R	011FESTAK4EA1E	F	051TF			26510063		+ 02000			RW27	K4PGB JS	
SUSAP KIAHK4FR27-Z R	011FESTAK4EA2WN			ALNAV/VNAV	ALNAV							JS	
SUSAP KIAHK4FR27-Z R	020REDOCK4EA1E	F	051TF			26500039		+ 01500			RW27	K4PGB JS	
SUSAP KIAHK4FR27-Z R	020REDOCK4EA2WN			ALNAV/VNAV	ALNAV							JS	
SUSAP KIAHK4FR27-Z R	030RW27 K4PG0GY	M	031TF			26500042		00141		-300		B JS	
SUSAP KIAHK4FR27-Z R	040FOBINK4EA0E	M	010DF									B JS	
SUSAP KIAHK4FR27-Z R	050TICOYK4EA0EY		010TF			2092		+ 03000				B JS	
SUSAP KIAHK4FR27-Z R	060TICOYK4EA0EE		HR020HM			02920040		+ 03000				B JS	

[illegible]

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3

SUP:	
AMDT:	1A
DATED:	06/05/2008

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

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SUSAP KIAHK4SRW27 K4PG

0 18018003125

M

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 88

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 27, AMDT 2

07 MAY 2009

SUP:

AMDT: 1A

DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SILLS	SILLS	010	IAF	IF		FB				
	SILLS	TRANN	020		TF		FB	1.0	265.2 (270T)	005.0	05000
	SILLS	DENTO	030		TF		FB	1.0	265.2 (270T)	005.7	04000
		DENTO	010	FACF	IF		FB				04000
		FESTA	011	FAF	TF		FB	0.5	265.1 (270T)	006.3	02000
		REDOC	020	PAF	TF		FB	0.5	265.0 (270T)	003.9	01500
		RW27	030	MAP	TF		FO	0.3	265.0 (270T)	004.2	00141

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FOBIN	040		DF		FB	1.0			
	TICOY	050		TF		FO	1.0	209.2 (214T)		03000
	TICOY	060		HM	R	FO	2.0	029.2 (034T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DENTO	N295838.97	W0950131.51	N2958.650	W09501.525
	FESTA	N295839.42	W0950846.05	N2958.657	W09508.768
	FOBIN	N295839.18	W0952231.61	N2958.653	W09522.527
	REDOC	N295839.50	W0951317.64	N2958.658	W09513.294
	SILLS	N295837.27	W0944908.17	N2958.621	W09449.136
	TICOY	N294201.24	W0953528.44	N2942.021	W09535.474
	TRANN	N295838.21	W0945456.35	N2958.637	W09454.939
	RW27	N295839.41	W0951809.09	N2958.657	W09518.152

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	00086	55

CITY AND STATE
HOUSTON, TX

ELEVATION: 97 TDZE: 88
 AIRPORT NAME:
 GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
 RNAV (GPS) Z RWY 27, AMDT 2
 07 MAY 2009

SUP:
 AMDT: 1A
 DATED: 06/05/2008

ANALYST
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.

TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: VUCUS							
CVV VOR/DME		LUCRI (FO)		254.18 / 8.16			2600		CLIMBING RIGHT TURN TO 3400 DIRECT CVV VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3400. ADDITIONAL FLIGHT DATA: HOLD S, LT, 346.32 INBOUND. CHART FAS OBST: 359 TREE 481423N/1224503W CHART A-680. CHART R-6701. CHART CYA 102(M). CHART CHINOOK A & B MOA. JEKPO TO RW07: 3.03/45. CHART: ASR							
WATTR		LUCRI (FO)		345.54 / 6.79			2500									
ISLND		ICILA (FB)		258.78 / 9.65			3100									
ICILA (IAF)		LUCIR (NOPT) (FB)		160.86 / 11.21			1800									
ORCUS (IAF)		LUCRI (NOPT) (FB)		105.42 / 9.78			1800									
LUCRI (IF/IAF)		JEKPO (FB)		071.08 / 5.90			1500									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W LUCRI, RT, 071.08 INBOUND, 1800 FT. IN LIEU OF PT (IAF) 3. FAC: 071.19 FAF: JEKPO DIST FAF TO MAP: 4.01 THLD: 4.10 4. MIN. ALT: LUCIR 1800, JEKPO 1500 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: VUCUS 7700																
										MAG VAR: 19E			EPOCH YEAR: 2000			
MINIMUMS																
TAKEOFF:		STANDARD		X		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		620	1	427	620	1	427		NA			NA				
CIRCLING		620	1	427	660	1	467		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: CIRCLING N OF RWY 7-25 NA AT NIGHT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WHIDBEY ISLAND NAS ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.																
CITY AND STATE		ELEVATION: 193 TDZE: 193			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:					
OAK HARBOR, WA		AIRPORT NAME: A J EISENBERG						RNAV (GPS) RWY 7, AMDT 2B			AMDT: 2A					
								07 MAY 2009			DATED					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-17 - RNAV (GPS)

[illegible][illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KOKHK1AOKH	0	032YHN48150550W122402520E019000193					1800018000C	MNAR	A J EISENBERG			T	

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKHK1FR07	ACVV	010CVV	K1D 0V	IF						18000		B JS	T
SUSAP KOKHK1FR07	ACVV	020LUCRIK1EA0EY	A	020TF		25420082		+ 02600				B JS	T
SUSAP KOKHK1FR07	ACVV	030LUCRIK1EA0EB	CR	HF		07110040		+ 01800				B JS	T
SUSAP KOKHK1FR07	AISLND	010ISLNDK1EA0E		IF						18000		B JS	T
SUSAP KOKHK1FR07	AISLND	020ICILAK1EA0E	A	020TF		25880097		+ 03100				B JS	T
SUSAP KOKHK1FR07	AISLND	030LUCIRK4EA0EE		010TF		16090112		+ 01800				B JS	T
SUSAP KOKHK1FR07	AORCUS	010ORCUSK1EA0E	A	IF						18000		B JS	T
SUSAP KOKHK1FR07	AORCUS	020LUCRIK1EA0EE		010TF		10540098		+ 01800				B JS	T
SUSAP KOKHK1FR07	AWATTR	010WATTRK1EA0E		IF						18000		B JS	T
SUSAP KOKHK1FR07	AWATTR	020LUCRIK1EA0EY	A	020TF		34550068		+ 02500				B JS	T
SUSAP KOKHK1FR07	AWATTR	030LUCRIK1EA0EB	CR	HF		07110040		+ 01800				B JS	T
SUSAP KOKHK1FR07	R	010LUCRIK1EA0E	I	IF				+ 01800		18000		B JS	T
SUSAP KOKHK1FR07	R	020JEKPOK1EA0E	F	051TF		07110059		+ 01500			VUCUS K1EAB	JS	T
SUSAP KOKHK1FR07	R	030VUCUSK1EA0EY	M	031TF		07120040		00207		-303		B JS	T

CITY AND STATE
OAK HARBOR, WA

ELEVATION: 193 TDZE: 193
AIRPORT NAME:
A J EISENBERG

FACILITY IDENTIFIER: RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 7, AMDT 2B
07 MAY 2009

SUP:	
AMDT:	2A
DATED:	

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34630050 + 03400
+ 03400

B JS T
B JS T

[illegible]

SUP:	
AMDT:	2A
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CVV	CVV	010		IF		FB				
	CVV	LUCRI	020	IAF	TF		FO	2.0	254.2 (273T)	008.2	02600
	CVV	LUCRI	030		HF	R	FO		071.1 (090T)	004.0	01800
	ISLND	ISLND	010		IF		FB				
	ISLND	ICILA	020	IAF	TF		FB	2.0	258.8 (278T)	009.7	03100
	ISLND	LUCIR	030		TF		FB	1.0	160.9 (180T)	011.2	01800
	ORCUS	ORCUS	010	IAF	IF		FB				
	ORCUS	LUCRI	020		TF		FB	1.0	105.4 (124T)	009.8	01800
	WATTR	WATTR	010		IF		FB				
	WATTR	LUCRI	020	IAF	TF		FO	2.0	345.5 (005T)	006.8	02500
	WATTR	LUCRI	030		HF	R	FO		071.1 (090T)	004.0	01800
		LUCRI	010	FACF	IF		FB				01800
		JEKPO	020	FAF	TF		FB	0.5	071.1 (090T)	005.9	01500
		VUCUS	030	MAP	TF		FO	0.3	071.2 (090T)	004.0	00207

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CVV	040		DF	R	FO	1.0			03400
	CVV	050		HM	L	FO	2.0	346.3 (005T)	005.0	03400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVV	N481440.90	W1224327.90	N4814.682	W12243.465
	ICILA	N482619.72	W1225542.13	N4826.329	W12255.702
	ISLND	N482502.29	W1224120.50	N4825.038	W12241.342
	JEKPO	N481506.53	W1224649.64	N4815.109	W12246.827
	LUCIR	N341332.78	W0983027.93	N3413.546	W09830.466
	LUCRI	N481507.39	W1225539.65	N4815.123	W12255.661
	ORCUS	N482039.54	W1230744.01	N4820.659	W12307.734
	VUCUS	N481505.56	W1224049.35	N4815.093	W12240.823
	WATTR	N480821.35	W1225627.97	N4808.356	W12256.466
	RW07	N481505.54	W1224041.85	N4815.092	W12240.698

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW07	00136	45

CITY AND STATE
OAK HARBOR, WA

ELEVATION: 193 TDZE: 193
 AIRPORT NAME:
 A J EISENBERG

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 7, AMDT 2B
 07 MAY 2009

SUP:
 AMDT: 2A
 DATED:

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA			
PAE VOR/DME (40V)	ZUVEN (TF) (FB) (RNP 2.00) (40E) (43A)	198.43/9.20	4000	CLIMB TO 2000 VIA 130.21 TRACK TO DUANE THEN CLIMB TO 6400 VIA 117.06 TRACK TO BLAKO AND HOLD. CONTINUE CLIMB-IN-HOLD TO 6400.			
ZUVEN (IAF) (40E) (43A)	FOGUL (TF) (FB) (RNP 1.00) (40E)	198.01/3.70	3400				
FOGUL (40E)	JAMRO (RF) (FB) (RNP 0.50) (40E) (41E)	(5.00 NM RADIUS CCW YUPTU) /8.31	2100	ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.00 INBOUND CHART FAS OBST: 363 TREE 473312N/1221829W, 232 TREE 473306N/1221849W, 97 TREE 473250N/1221854W			
LOFAL (40E)	JUGOK (TF) (FB) (RNP 1.00) (40E) (43A)	126.86/13.87	2900				
JUGOK (IAF) (40E) (43A)	JAMRO (TF) (FB) (RNP 0.50) (40E) (41E)	106.37/2.90	2100				
JAMRO (IF) (40E) (43I)	COMMB (TF) (FB) (RNP 0.50) (40E) (43F)	100.68/2.50	1700				
(CONTINUED ON PAGE 2)							

1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	DIST TO THLD FROM 506 HAT: 1.43 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 67.3 MSL (DO NOT CHART) MAG VAR: 20E EPOCH YEAR: 1990
2. PROFILE STARTS AT <u>JAMRO</u>	
3. FAC: * FAF: *SEE TERMINAL ROUTES FROM COMMB DIST FAF TO MAP: _____ THLD: _____	
4. MIN. ALT: <u>JAMRO 2100, COMMB 1700</u>	
5. DIST TO THLD FROM OM: <u>5.06</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>COMMB 1700, ORABE 1031</u> OM: _____ MM: _____ IM: _____	
7. GS ANGLE: <u>3.00</u> TCH: <u>50.0# 34:1 IS NOT CLEAR</u>	
8. MSA FROM: <u>RW13R 6200</u>	

MINIMUMS															
TAKEOFF:	STANDARD	X	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

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.15 DA	523	1 1/2	505	523	1 1/2	505	523	1 1/2	505	523	1 1/2	505			
RNP 0.30 DA	637	2	619	637	2	619	637	2	619	637	2	619			

NOTES: CHART NOTES: GPS AND RF REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -3C # CAT A, B, C, D 800-2 1/4 (26F) OR ABOVE 48C (119F). FOR INOPERATIVE MALSF, INCREASE RNP 0.15 VISIBILITY TO 1 3/4, RNP 0.30 TO 2 1/4.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE AT FOGUL, JUGOK, JAMRO: (RNP 0.50)
(CONTINUED ON PAGE 2)

CITY AND STATE SEATTLE, WA	ELEVATION: 21 TDZE: 18 AIRPORT NAME: BOEING FIELD/ KING COUNTY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 07 MAY 2009 RNAV (RNP) Z RWY 13R, ORIG-B	SUP: AMDT: ORIG-A DATE 03/13/2008

QUALITY
7
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
HILIE	FISKI (FB)	239.11 / 18.85	9000	LPV: DA LNAV/VNAV: DA LNAV: RW25 CLIMB TO 5000 DIRECT CUVES AND VIA TRACK 226.10 TO GANGS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 052.48 INBOUND. CHART FAS OBST: 2505 OL ON TK 473713N/1173112W CHART FAS OBST: 2648 ATCT 473649N/1173138W DISTANCE TO THLD FROM 332 HAT: 0.89 NM. CHART VDP AT 1.50 MILES TO RW25* *LNAV ONLY. WAAS CHANNEL # 93501 REFERENCE PATH ID: W25A 3639 AAO 473539N/1171811W								
ZOOMR	CESNO (FB)	047.51 / 52.26	6700									
FISKI (IAF)	OZOLA (FB)	342.80 / 10.00	6300									
CESNO (IAF)	OZOLA (FB)	162.80 / 10.00	6300									
OZOLA (IF)	NAXAF (FB)	252.80 / 7.01	5200									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT <u>OZOLA</u> 3. FAC: <u>252.68</u> FAF: <u>NAXAF</u> DIST FAF TO MAP: <u>8.52</u> THLD: <u>8.52</u> 4. MIN. ALT: <u>OZOLA 6300, NAXAF 5200, RUKUE/4.40 NM TO RW25 3820*</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> </u> 6. MIN GS INCPT: <u>5200</u> GS ALT AT: <u>NAXAF</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW25 7100</u>				MAG VAR: 18E EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF:	STANDARD	X	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
LPV DA	2704	1 1/4	332	2704	1 1/4	332	2704	1 1/4	332	2704	1 1/4	332
LNAV/VNAV DA	2782	1 1/2	410	2782	1 1/2	410	2782	1 1/2	410	2782	1 1/2	410
LNAV MDA	2900	1	528	2900	1	528	2900	1 1/2	528	2900	1 3/4	528
CIRCLING	2960	1	584	2960	1	584	2960	1 1/2	584	2980	2	604

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 44C (111F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10.

CITY AND STATE SPOKANE, WA	ELEVATION: 2378 TDZE: 2372 AIRPORT NAME: SPOKANE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 2A 07 MAY 2009	SUP: AMDT: 2 DATED 01/15/2009

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HILIE VIA V2 EASTBOUND, ARRIVALS AT ZOOMR VIA V2-448 SOUTHWEST BOUND.



CITY AND STATE SPOKANE, WA	ELEVATION: 2376 TDZE: 2372 AIRPORT NAME: SPOKANE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 2A 07 MAY 2009	SUP:
				AMDT: 2
				DATED: 01/15/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KGEG
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	473700.3640N
LTP/FTP LONGITUDE	1173112.1045W
LTP/FTP ELLIPSOIDAL HEIGHT	+07045
FPAP LATITUDE	473701.1500N
FPAP LONGITUDE	1173323.8000W
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	0248
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER A449E602

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+07228
FPAP ORTHOMETRIC HEIGHT	+07228

CITY AND STATE
SPOKANE, WA

ELEVATION: 2376 TDZE: 2372
AIRPORT NAME:
SPOKANE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, AMDT 2A
07 MAY 2009

SUP:
AMDT: 2
DATED: 01/15/2009



Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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][illegible][illegible]

SUP:	
AMDT:	2
DATED:	01/15/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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]

PAGE 5 OF 6 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HILIE	HILIE	010		IF		FB				
	HILIE	FISKI	020	IAF	TF		FB	2.0	239.1 (257T)	018.9	09000
	HILIE	OZOLA	030		TF	R	FB	1.0	342.8 (001T)	010.0	06300
	ZOOMR	ZOOMR	010		IF		FB				
	ZOOMR	CESNO	020	IAF	TF		FB	2.0	047.5 (066T)	052.3	06700
	ZOOMR	OZOLA	030		TF	R	FB	1.0	162.8 (181T)	010.0	06300
		OZOLA	010	FACF	IF		FB				06300
		NAXAF	020	FAF	TF		FB	0.5	252.8 (271T)	007.0	05200
		RUKUE	021	SDF	TF		FB	0.3	252.7 (271T)	004.1	0382003841
		RW25	030	MAP	TF		FO	0.3	252.7 (271T)	004.4	02422

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUVES	040		DF		FB	1.0			
	GANGS	050		TF		FO	1.0	226.1 (244T)		05000
	GANGS	060		HM	R	FO	2.0	052.5 (071T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CESNO	N474649.21	W1170802.65	N4746.820	W11708.044
	CUVES	N473701.78	W1173515.98	N4737.030	W11735.266
	FISKI	N472650.01	W1170827.41	N4726.834	W11708.457
	GANGS	N473010.62	W1175559.74	N4730.177	W11755.996
	HILIE	N473105.33	W1164122.93	N4731.089	W11641.382
	NAXAF	N473655.03	W1171836.29	N4736.917	W11718.605
	OZOLA	N473649.62	W1170815.07	N4736.827	W11708.251
	RUKUE	N473657.78	W1172441.90	N4736.963	W11724.698
	ZOOMR	N472531.89	W1181833.62	N4725.532	W11818.560
	RW25	N473700.36	W1173112.10	N4737.006	W11731.202

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW25	02372		50

CITY AND STATE
SPOKANE, WAELEVATION: 2376 TDZE: 2372
AIRPORT NAME:
SPOKANE INTLFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, AMDT 2A
07 MAY 2009SUP:
AMDT: 2
DATED: 01/15/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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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: _____	STANDARD _____	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:

07 MAY 2009

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE TACOMA, WA	ELEVATION: 294 TDZE: 294 AIRPORT NAME: TACOMA NARROWS	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 35, ORIG-A, 12/22/2005	SUP AMDT ORIG DATE 09/09/1999



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 4000 DIRECT ECAZA AND LEFT TURN VIA 229.86 TRACK TO CARRO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 047.40 INBOUND. CHART FAS OBST: 442 TREE 471534N/1223506W CHART R-6703A. CHART R-6703B. CHART R-6703C. CHART R-6703D. CHART RANIER 1 MOA. CHART RANIER 3 MOA. CHART RANIER 2 MOA. DISTANCE TO THLD FROM 266 HAT: 0.67 NM. WAAS CHANNEL # 50312 REFERENCE PATH ID: W35A							
CARRO		FESAS (FB)		137.68 / 13.41				2000									
OLM VORTAC		FESAS (FB)		024.83 / 9.79				2000									
FESAS (IAF)		GANCA (FB)		076.90 / 5.00				2000									
GANCA (IF)		KEFPU (FB)		346.99 / 6.01				2000									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>PROFILE STARTS AT GANCA</u> 3. FAC: <u>347.00</u> FAF: <u>KEFPU</u> DIST FAF TO MAP: <u>5.12</u> THLD: <u>5.12</u> 4. MIN. ALT: <u>GANCA 2000, KEFPU 2000</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> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>KEFPU</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW35 5100</u>												MAG VAR: 20E		EPOCH YEAR: 1990			
MINIMUMS																	
TAKEOFF:		STANDARD		X		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		560	1	266	560	1	266	560	1	266	560	1	266				
LNAV/VNAV DA		768	1 3/4	474	768	1 3/4	474	768	1 3/4	474	768	1 3/4	474				
LNAV MDA		840	1	546	840	1	546	840	1 1/2	546	840	1 3/4	546				
CIRCLING		980	1	686	980	1	686	980	2	686	980	2 1/4	686				
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING MCCHORD AFB ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10																	
CITY AND STATE				ELEVATION: 294 TDZE: 294				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
TACOMA, WA				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 35, ORIG				AMDT: NONE	
				TACOMA NARROWS								07 MAY 2009				DATED	

 QUALITY
 CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OLM VORTAC VIA V187 SOUTHBOUND.****CHART NOTE: CIRCLING NA EAST OF RWY 17-35.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MCCHORD AFB ALTIMETER SETTING AND INCREASE ALL DA 25 FEET AND ALL MDA 40 FEET.**

CITY AND STATE

TACOMA, WA

ELEVATION: 294 TDZE: 294

AIRPORT NAME:

TACOMA NARROWS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KTIW
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A
LTP/FTP LATITUDE 471540.0830N
LTP/FTP LONGITUDE 1223445.6105W
LTP/FTP ELLIPSOIDAL HEIGHT +00671
FPAP LATITUDE 471708.4700N
FPAP LONGITUDE 1223429.6400W
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 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

5C917CE4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +00897
FPAP ORTHOMETRIC HEIGHT +00897

CITY AND STATE

TACOMA, WA

ELEVATION: 294 TDZE: 294

AIRPORT NAME:

TACOMA NARROWS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
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.

[illegible]

DATED:

QUALITY
AGES &
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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	8/1/00

GES 4 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CARRO	CARRO	010		IF		FB				
	CARRO	FESAS	020	IAF	TF		FB	2.0	137.7(158T)	013.4	02000
	CARRO	GANCA	030		TF		FB	1.0	076.9(097T)	005.0	02000
	OLM	OLM	010		IF		FB				
	OLM	FESAS	020	IAF	TF		FB	2.0	024.8(045T)	009.8	02000
	OLM	GANCA	030		TF		FB	1.0	076.9(097T)	005.0	02000
		GANCA	010	FACF	IF		FB				02000
		KEFPU	020	FAF	TF		FB	0.5	347.0(007T)	006.0	02000
		RW35	030	MAP	TF		FO	0.3	347.0(007T)	005.1	00345

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	ECAZA	040		DF		FB	1.0			
	CARRO	050		TF	L	FO	1.0	229.9(250T)		04000
	CARRO	060		HM	R	FO	2.0	047.4(067T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OLM	N465817.90	W1225406.60	N4658.298	W12254.110
	CARRO	N471738.07	W1225127.81	N4717.635	W12251.464
	ECAZA	N472206.96	W1223335.59	N4722.116	W12233.593
	FESAS	N470513.84	W1224400.62	N4705.231	W12244.010
	GANCA	N470437.58	W1223644.86	N4704.626	W12236.748
	KEFPU	N471035.12	W1223540.60	N4710.585	W12235.677
	RW35	N471540.08	W1223445.61	N4715.668	W12234.760

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	00294	51

CITY AND STATE
TACOMA, WA

ELEVATION: 294 TDZE: 294
 AIRPORT NAME:
 TACOMA NARROWS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 35, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

QUALITY
CHECKED

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30661 ; Amdt. No.3317]

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 revokes
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 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. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW, Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 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 are available online free of charge.

Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2. The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs 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 (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

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 in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP as modified by FDC/P-NOTAMs.

The SIAPs, as modified by FDC P-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, 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 which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

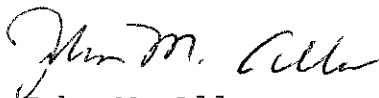
CONCLUSION

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, and Navigation (Air).

Issued in Washington, DC on April 3, 2009



John M. Allen
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, 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(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, ISMLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs,

FDC Date	STATE	CITY	AIRPORT	FDC NUMBER	SUBJECT
03/19/09	IA	LE MARS	LE MARS MUNI	9/0069	GPS RWY 18, ORIG
03/20/09	WA	OLYMPIA	OLYMPIA	9/0252	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 5
03/20/09	WA	OLYMPIA	OLYMPIA	9/0253	ILS OR LOC RWY 17, AMDT 10A
03/20/09	WA	OLYMPIA	OLYMPIA	9/0254	RNAV (GPS) RWY 17, ORIG
03/20/09	WA	OLYMPIA	OLYMPIA	9/0255	RNAV (GPS) RWY 35, ORIG
03/20/09	WA	OLYMPIA	OLYMPIA	9/0256	VOR/DME RWY 35, AMDT 12
03/20/09	WA	OLYMPIA	OLYMPIA	9/0257	VOR A, AMDT 1
03/20/09	IA	OSKALOOSA	OSKALOOSA MUNI	9/0306	NDB RWY 22, AMDT 3
03/20/09	CO	COLORADO SPRINGS	CITY OF COLORADO SPRINGS MUNI	9/0307	RNAV (GPS) RWY 17R, AMDT 1A
03/20/09	CA	MERCED	CASTLE	9/0308	RNAV (GPS) RWY 31, ORIG
03/20/09	CA	MERCED	CASTLE	9/0309	ILS OR LOC/DME RWY 31, AMDT 2
03/20/09	CA	MERCED	CASTLE	9/0310	RNAV (GPS) RWY 13, ORIG
03/20/09	WA	SEATTLE	SEATTLE-TACOMA INTL	9/0313	ILS OR LOC RWY 16R, ORIG-A, ILS RWY 16R (CAT II), ORIG-A, ILS RWY 16R (CAT III), ORIG-A
03/20/09	WA	SEATTLE	SEATTLE-TACOMA INTL	9/0316	ILS OR LOC RWY 16C, AMDT 13, ILS RWY 16C (CAT II), AMDT 13, ILS RWY 16C (CAT III), AMDT 13
03/23/09	IN	FORT WAYNE	FORT WAYNE INTL	9/0317	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 2
03/20/09	WA	SEATTLE	SEATTLE-TACOMA INTL	9/0318	ILS OR LOC RWY 16L, AMDT 4, ILS RWY 16L (CAT II), AMDT 4, ILS RWY 16L (CAT III), AMDT 4
03/20/09	WA	SEATTLE	SEATTLE-TACOMA INTL	9/0319	ILS OR LOC RWY 34L, ORIG, ILS RWY 34L (CAT II), ORIG
03/20/09	WA	SEATTLE	SEATTLE-TACOMA INTL	9/0320	ILS OR LOC RWY 34R, AMDT 1A, ILS RWY 34R (CAT II), AMDT 1A
03/20/09	WA	SEATTLE	SEATTLE-TACOMA INTL	9/0321	ILS OR LOC RWY 34C, AMDT 2A, ILS RWY 34C(CAT II), AMDT 2A
03/20/09	NE	BROKEN BOW	BROKEN BOW MUNI	9/0340	RNAV (GPS) RWY 14, ORIG
03/20/09	NE	BROKEN BOW	BROKEN BOW MUNI	9/0341	VOR/DME RWY 32, ORIG
03/20/09	NE	BROKEN BOW	BROKEN BOW MUNI	9/0342	VOR RWY 14, AMDT 4
03/20/09	NE	BROKEN BOW	BROKEN BOW MUNI	9/0343	RNAV (GPS) RWY 32, AMDT 1
03/23/09	WI	MILWAUKEE	GENERAL MITCHELL INTL	9/0349	ILS OR LOC RWY 19R, AMDT 10A
03/23/09	WI	MILWAUKEE	GENERAL MITCHELL INTL	9/0350	ILS OR LOC RWY 7R, AMDT 15A
03/20/09	FL	TITUSVILLE	SPACE COAST REGIONAL	9/0365	ILS RWY 36, AMDT 10A
03/21/09	LA	VIVIAN	VIVIAN	9/0391	RNAV (GPS) RWY 27, ORIG
03/21/09	LA	VIVIAN	VIVIAN	9/0392	RNAV (GPS) RWY 9, ORIG
03/21/09	LA	VIVIAN	VIVIAN	9/0393	VOR/DME A, AMDT 3
03/21/09	LA	VIVIAN	VIVIAN	9/0394	NDB RWY 9, AMDT 2
03/23/09	IL	CHICAGO/ ROCKFORD	CHICAGO/ROCKFORD INTL	9/0534	ILS OR LOC RWY 7, AMDT 1A; ILS RWY 7 (CAT II), AMDT 1A; ILS RWY 7 (CAT III), AMDT 1A
03/23/09	FL	ST AUGUSTINE	ST AUGUSTINE	9/0576	VOR RWY 13, ORIG-A
03/23/09	NY	SARATOGA SPRINGS	SARATOGA COUNTY	9/0592	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 3

03/25/09	GA	ROME	RICHARD B RUSSELL	9/0827	RNAV (GPS) RWY 25, ORIG
03/25/09	GA	ROME	RICHARD B RUSSELL	9/0828	RNAV (GPS) RWY 7, ORIG
03/25/09	WI	EAU CLAIRE	CHIPPEWA VALLEY RGNL	9/0864	ILS OR LOC RWY 22, AMDT 8
03/25/09	IA	POCAHONTAS	POCAHONTAS MUNI	9/0865	TAKE OFF MINIMUMS AND OBSTACLE DP, AMDT 2
03/25/09	NE	YORK	YORK MUNI	9/0866	NDB RWY 35, AMDT 4
03/25/09	IA	POCAHONTAS	POCAHONTAS MUNI	9/0867	VOR/DME OR GPS RWY 29, AMDT 3
03/25/09	KS	LAWRENCE	LAWRENCE MUNI	9/0869	VOR/DME A, AMDT 10
03/25/09	KS	LAWRENCE	LAWRENCE MUNI	9/0870	ILS OR LOC RWY 33, AMDT 1A
03/25/09	KS	LAWRENCE	LAWRENCE MUNI	9/0873	RNAV (GPS) RWY 15, ORIG-A
03/25/09	OH	WILLOUGHBY	WILLOUGHBY LOST NATION MUNI	9/0877	RNAV (GPS) RWY 10, ORIG
03/25/09	OH	MANSFIELD	MANSFIELD LAHM RGNL	9/0878	ILS OR LOC RWY 32, AMDT 16
03/25/09	OH	MANSFIELD	MANSFIELD LAHM RGNL	9/0882	VOR RWY 32, AMDT 7
03/25/09	OH	MANSFIELD	MANSFIELD LAHM RGNL	9/0883	RNAV (GPS) RWY 32, ORIG
03/25/09	OH	MANSFIELD	MANSFIELD LAHM RGNL	9/0884	RADAR-1, AMDT 4
03/25/09	OH	MANSFIELD	MANSFIELD LAHM RGNL	9/0885	VOR RWY 14, AMDT 14
03/25/09	OH	MANSFIELD	MANSFIELD LAHM RGNL	9/0886	RNAV (GPS) RWY 14, ORIG
03/25/09	IA	DECORAH	DECORAH MUNI	9/0909	NDB RWY 29, AMDT 1
03/25/09	IA	DECORAH	DECORAH MUNI	9/0910	VOR RWY 29, AMDT 3A
03/25/09	IA	DECORAH	DECORAH MUNI	9/0911	RNAV (GPS) RWY 29, ORIG
03/25/09	MO	ST LOUIS	LAMBERT-ST LOUIS INTL	9/0916	ILS OR LOC RWY 30R AMDT 9B...ILS RWY 30R (CAT II) AMDT 9B...ILS RWY 30R (CAT III) AMDT 9B
03/25/09	CA	ONTARIO	ONTARIO INTL	9/1049	ILS RWY 26R, AMDT 3
03/25/09	CA	ONTARIO	ONTARIO INTL	9/1050	RNAV (GPS) Y RWY 8L, AMDT 1A
03/25/09	CA	ONTARIO	ONTARIO INTL	9/1051	VOR/DME RWY 8R, ORIG
03/25/09	CA	ONTARIO	ONTARIO INTL	9/1052	RNAV (RNP) Z RWY 26R, ORIG
03/25/09	CA	ONTARIO	ONTARIO INTL	9/1055	RNAV (RNP) Z RWY 26L, ORIG
03/25/09	CA	ONTARIO	ONTARIO INTL	9/1056	RNAV (RNP) Z RWY 8L, ORIG
03/25/09	CA	ONTARIO	ONTARIO INTL	9/1057	RNAV (GPS) Y RWY 26R, AMDT 1
03/25/09	CA	ONTARIO	ONTARIO INTL	9/1058	RNAV (GPS) Y RWY 26L, AMDT 1
03/26/09	TX	HONDO	HONDO MUNI	9/1180	RNAV (GPS) RWY 17L, ORIG
03/26/09	TX	WHEELER	WHEELER MUNI	9/1181	VOR/DME OR GPS A, AMDT 1
03/26/09	TX	SHERMAN/DENISON	GRAYSON COUNTY	9/1187	NDB OR GPS RWY 17L, AMDT 9B
03/26/09	TX	SHERMAN/DENISON	GRAYSON COUNTY	9/1189	ILS RWY 17L, ORIG-A
03/26/09	TX	SHERMAN/DENISON	GRAYSON COUNTY	9/1190	VOR/DME RNAV RWY 35R, ORIG- C
03/26/09	TX	SHERMAN/DENISON	GRAYSON COUNTY	9/1191	VOR/DME A, ORIG-B
03/31/09	CO	ALAMOSA	SAN LUIS VALLEY REGIONAL/BERGMAN FIELD	9/1782	VOR/DME OR GPS B, AMDT 4
03/31/09	CO	ALAMOSA	SAN LUIS VALLEY REGIONAL/BERGMAN FIELD	9/1783	VOR OR GPS A, AMDT 6

03/31/09	CA	MERCED	MERCED MUNI/MACREADY FIELD	9/1784	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 5
03/31/09	CA	MERCED	MERCED MUNI/MACREADY FIELD	9/1787	VOR RWY 30, ORIG
03/31/09	CA	MERCED	MERCED MUNI/MACREADY FIELD	9/1788	GPS RWY 12, ORIG-B
03/31/09	CA	MERCED	MERCED MUNI/MACREADY FIELD	9/1789	ILS RWY 30, AMDT 14B
03/31/09	CA	MERCED	MERCED MUNI/MACREADY FIELD	9/1790	LOC BC RWY 12, AMDT 10C
03/31/09	CA	MERCED	MERCED MUNI/MACREADY FIELD	9/1791	RNAV (GPS) RWY 30, ORIG

FDC 9/0069 LRJ FI/P LE MARS MUNI, LE MARS, IA. GPS RWY 18,
ORIG...CIRCLING CAT B MDA 1840/HAA 644. THIS IS GPS RWY 18, ORIG-A.

FDC 9/0252 OLM FI/P OLYMPIA, OLYMPIA, WA. TAKE OFF MINIMUMS AND
(OBSTACLE) DEPARTURE PROCEDURES, AMDT 5 CHANGE ALL REFERENCE
TO OLYMPIA, OLYMPIA, WA TO OLYMPIA REGIONAL, OLYMPIA, WA. THIS
IS TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES,
AMDT 5A.

FDC 9/0253 OLM FI/P OLYMPIA, OLYMPIA, WA. ILS OR LOC RWY 17, AMDT
10A...CHANGE ALL REFERENCE TO OLYMPIA, OLYMPIA, WA TO OLYMPIA
REGIONAL, OLYMPIA, WA. CHART NOTE: WHEN LOCAL ALTIMETER
SETTING NOT RECEIVED, USE SANDERSON FIELD ALTIMETER SETTING
AND INCREASE ALL DA 53 FT AND ALL MDA 60 FT; INCREASE CIRCLING
VISIBILITY CAT D 1/4 MILE. ALTERNATE MINS ILS: STANDARD EXCEPT CAT
C/D 700-2, NA WHEN LOCAL WEATHER NOT AVAILABLE. LOC: STANDARD
EXCEPT, NA WHEN LOCAL WEATHER NOT AVAILABLE. FOR INOPERATIVE
MALSR, WHEN USING SANDERSON FIELD ALTIMETER SETTING, INCREASE
S-ILS 17 VISIBILITY TO 1 MILE.. THIS IS ILS OR LOC RWY 17, AMDT 10B.

FDC 9/0254 OLM FI/P OLYMPIA, OLYMPIA, WA. RNAV (GPS) RWY 17,
ORIG...CHANGE ALL REFERENCE TO OLYMPIA, OLYMPIA, WA TO OLYMPIA
REGIONAL, OLYMPIA, WA. CIRCLING VISIBILITY CATS A/B 1 MILE. CHART
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE
SANDERSON FIELD ALTIMETER SETTING AND INCREASE ALL DA 53 FT AND
ALL MDA 60 FT; INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS,
LNAV CATS C/D AND CIRCLING VISIBILITY CATS C/ D 1/4 MILE. DELETE
NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SANDERSON
FIELD ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 60 FT. THIS IS
RNAV (GPS) RWY 17, ORIG-A.

FDC 9/0255 OLM FI/P OLYMPIA, OLYMPIA, WA. RNAV (GPS) RWY 35,
ORIG...CHANGE ALL REFERENCE TO OLYMPIA, OLYMPIA, WA TO OLYMPIA
REGIONAL, OLYMPIA, WA. CHART NOTE: WHEN LOCAL ALTIMETER
SETTING NOT RECEIVED, USE SANDERSON FIELD ALTIMETER SETTING
AND INCREASE ALL MDA 60 FT; INCREASE VIS LNAV CATS C/D 1/4 MILE
AND CIRCLING CAT D 1/4 MILE. DELETE NOTE: IF LOCAL ALTIMETER
SETTING NOT RECEIVED, USE SANDERSON FIELD ALTIMETER SETTING
AND INCREASE ALL MDAS 60 FT. THIS IS RNAV (GPS) RWY 35, ORIG-A.

FDC 9/0256 OLM FI/P OLYMPIA, OLYMPIA, WA. VOR/DME RWY 35, AMDT 12...CHANGE ALL REFERENCE TO OLYMPIA, OLYMPIA, WA TO OLYMPIA REGIONAL, OLYMPIA, WA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SANDERSON FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FT; INCREASE VIS S-35 CATS C/D 1/4 MILE AND CIRCLING CAT D 1/4 MILE. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SANDERSON FIELD ALTIMETER SETTING AND INCREASE ALL MDAS 60 FT. THIS IS VOR/DME RWY 35, AMDT 12A.

FDC 9/0257 OLM FI/P OLYMPIA, OLYMPIA, WA. VOR A, AMDT 1...CHANGE ALL REFERENCE TO OLYMPIA, OLYMPIA, WA TO OLYMPIA REGIONAL, OLYMPIA, WA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SANDERSON FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FT. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SANDERSON FIELD ALTIMETER SETTING AND INCREASE ALL MDAS 60 FT. THIS IS VOR A, AMDT 1A.

FDC 9/0306 OOA FI/P OSKALOOSA MUNI, OSKALOOSA, IA. NDB RWY 22, AMDT 3...S-22 CATS A/B/C MDA 1540/HAT 700. CAT C VIS 2. CIRCLING CATS A/B/C MDA 1540/HAA 700. CAT C VIS 2. THIS IS NDB RWY 22, AMDT 3A.

FDC 9/0307 COS FI/P CITY OF COLORADO SPRINGS MUNI, COLORADO SPRINGS, CO. RNAV (GPS) RWY 17R, AMDT 1A...LPV DA 6537/HAT 360 ALL CATS. ALTERNATE MINIMUMS: STANDARD EXCEPT CAT C 800-2 1/4, CAT D 800-2 1/2. NA WHEN LOCAL WEATHER NOT AVAILABLE. DISTANCE TO THLD FROM 360 HAT: 0.95 NM. THIS IS RNAV (GPS) RWY 17R, AMDT 1B.

FDC 9/0308 MER FI/P CASTLE, MERCED, CA. RNAV (GPS) RWY 31, ORIG...CHART NOTE: CIRCLING NA SW OF RWY 13-31. DELETE NOTE: CIRCLING NA SOUTH OF RWYS 13 AND 31. THIS IS RNAV (GPS) RWY 31, ORIG-A.

FDC 9/0309 MER FI/P CASTLE, MERCED, CA. ILS OR LOC/DME RWY 31, AMDT 2...CHART NOTE: CIRCLING NA SW OF RWY 13-31. DELETE NOTE: CIRCLING NA SOUTHWEST OF RWY 13/31. THIS IS ILS OR LOC/DME RWY 31, AMDT 2A.

FDC 9/0310 MER FI/P CASTLE, MERCED, CA. RNAV (GPS) RWY 13, ORIG...CHART NOTE: CIRCLING NA SW OF RWY 13/31. THIS IS RNAV (GPS) RWY 13, ORIG-A.

FDC 9/0313 SEA FI/P SEATTLE-TACOMA INTL, SEATTLE, WA. ILS OR LOC RWY 16R ORIG-A...ILS RWY 16R (CAT II)ORIG-A...ILS RWY 16R (CAT III)ORIG-A...MISSED APPROACH: CLIMB HEADING 158 AND SEA VORTAC R-161 TO CROSS TEBNE/SEA 2.40 DME/RADAR AT OR BELOW 2000, THEN CLIMB TO 5000 VIA SEA VORTAC R-161 TO MILLT INT/SEA 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 163 THEN CLIMBING RIGHT TURN TO 5000 DIRECT TCM VORTAC AND HOLD,CONTINUE CLIMB-IN-HOLD TO 5000, HOLD E, RT, 254.00 INBOUND. THIS IS ILS OR LOC RWY 16R ORIG-B...THIS IS ILS RWY 16R (CAT II) ORIG-B...THIS IS ILS RWY 16R (CAT III) ORIG-B.

FDC 9/0316 SEA FI/P SEATTLE-TACOMA INTL, SEATTLE, WA. ILS OR LOC RWY 16C AMDT 13...ILS RWY 16C (CAT II)AMDT 13...ILS RWY 16C (CAT III)AMDT 13...MISSED APPROACH: CLIMB HEADING 160 AND SEA VORTAC R-161 TO CROSS TEBNE/SEA 2.40 DME/RADAR AT OR BELOW 2000, THEN CLIMB TO 5000 VIA SEA VORTAC R-161 TO MILLT INT/SEA 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 163 THEN CLIMBING RIGHT TURN TO 5000 DIRECT TCM VORTAC AND HOLD,CONTINUE CLIMB-IN-HOLD TO 5000, HOLD E, RT, 254.00 INBOUND. THIS IS ILS OR LOC RWY 16C AMDT 13A...THIS IS ILS RWY 16C (CAT II) AMDT 13A...THIS IS ILS RWY 16C (CAT III) AMDT 13A.

FDC 9/0317 FWA FI/P FORT WAYNE INTL, FORT WAYNE IN. TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE, AMDT 2...TAKE OFF MINIMUMS: NOTE: RWY 5, TREES BEGINNING 927 FT FROM DEPARTURE END OF RWY, 499 FT LEFT OF CENTERLINE, 40 FT AGL/836 FT MSL. FENCE 152 FT FROM DEPARTURE END OF RWY, 521 FT RIGHT OF CENTERLINE, 12 FT AGL/808 FT MSL. RAILROAD 834 FT FROM DEPARTURE END OF RWY, 582 FT RIGHT OF CENTERLINE, 23 FT AGL/820 FT MSL. TREE 152 FT FROM DEPARTURE END OF RWY, 521 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/842 FT MSL. RWY 9, TOWER 3124 FT FROM DEPARTURE END OF RWY, 1109 FT LEFT OF CENTERLINE, 111 FT AGL/910 FT MSL. RWY 14, TREE 1079 FT FROM DEPARTURE END OF RWY, 667 FT LEFT OF CENTERLINE, 23 FT AGL/825 FT MSL. RWY 27, OBSTRUCTION LIGHT 370 FT FROM DEPARTURE END OF RWY, 230 FT LEFT OF CENTERLINE, 14 FT AGL/812 FT MSL. RWY 32, TREES BEGINNING 3672 FT FROM DEPARTURE END OF RWY, 611 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/901 FT MSL. REST OF DATA REMAINS AS PUBLISHED. THIS IS TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE, AMDT 2A.

FDC 9/0318 SEA FI/P SEATTLE-TACOMA INTL, SEATTLE, WA. ILS OR LOC RWY 16L AMDT 4...ILS RWY 16L (CAT II)AMDT 4...ILS RWY 16L (CAT III)AMDT 4...MISSED APPROACH: CLIMB HEADING 165 AND SEA VORTAC R-161 TO CROSS TEBNE/SEA 2.40 DME/RADAR AT OR BELOW 2000, THEN CLIMB TO 5000 VIA SEA VORTAC R-161 TO MILLT INT/SEA 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 163 THEN CLIMBING RIGHT TURN TO 5000 DIRECT TCM VORTAC AND HOLD,CONTINUE CLIMB-IN-HOLD TO 5000, HOLD E, RT, 254.00 INBOUND. THIS IS ILS OR LOC RWY 16L AMDT 4A...THIS IS ILS RWY 16L (CAT II) AMDT 4A...THIS IS ILS RWY 16L (CAT III) AMDT 4A.

FDC 9/0319 SEA FI/P SEATTLE-TACOMA INTL, SEATTLE, WA. ILS OR LOC RWY 34L ORIG...ILS RWY 34L (CAT II) ORIG...MISSED APPROACH: CLIMB HEADING 348 AND SEA VORTAC R-341 TO CROSS COYLA/SEA 4.69 DME/RADAR AT OR BELOW 2000, THEN CLIMB TO 5000 VIA SEA VORTAC R-341 TO MGNUM/SEA 12.42 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 343 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PAE VOR/DME AND HOLD NW, RT, 149.04 INBOUND. THIS IS ILS OR LOC RWY 34L ORIG-A...THIS IS ILS RWY 34L (CAT II) ORIG-A.

FDC 9/0320 SEA FI/P SEATTLE-TACOMA INTL, SEATTLE, WA. ILS OR LOC RWY 34R AMDT 1A...ILS RWY 34R (CAT II) AMDT 1A...MISSED APPROACH: CLIMB HEADING 341 AND SEA VORTAC R-341 TO CROSS COYLA/SEA 4.69 DME/RADAR AT OR BELOW 2000, THEN CLIMB TO 5000 VIA SEA VORTAC R-341 TO MGNUM/SEA 12.42 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PAE VOR/DME AND HOLD NW, RT, 149.04 INBOUND. THIS IS ILS OR LOC RWY 34R AMDT 1B...THIS IS ILS RWY 34R (CAT II) AMDT 1B.

FDC 9/0321 SEA FI/P SEATTLE-TACOMA INTL, SEATTLE, WA. ILS OR LOC RWY 34C AMDT 2A...ILS RWY 34C (CAT II) AMDT 2A...MISSED APPROACH: CLIMB HEADING 345 AND SEA VORTAC R-341 TO CROSS COYLA/SEA 4.69 DME/RADAR AT OR BELOW 2000, THEN CLIMB TO 5000 VIA SEA VORTAC R-341 TO MGNUM/SEA 12.42 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PAE VOR/DME AND HOLD NW, RT, 149.04 INBOUND. THIS IS ILS OR LOC RWY 34C AMDT 2B...THIS IS ILS RWY 34C (CAT II) AMDT 2B.

FDC 9/0340 BBW FI/P BROKEN BOW MUNI, BROKEN BOW, NE. RNAV (GPS) RWY 14, ORIG...DELETE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTH PLATTE ALTIMETER SETTING AND INCREASE ALL DA/MDA 160 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/2 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/4 MILE, LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTH PLATTE RGNL ALTIMETER SETTING AND INCREASE ALL DA/MDA 160 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/2 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/4 MILE, LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE. DELETE NOTE: VDP AND BARO/VNAV NA WHEN USING NORTH PLATTE ALTIMETER SETTING. CHART NOTE: VDP AND BARO/VNAV NA WHEN USING NORTH PLATTE RGNL ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 14, ORIG-A.

FDC 9/0341 BBW FI/P BROKEN BOW MUNI, BROKEN BOW, NE. VOR/DME RWY 32, ORIG...DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED; USE NORTH PLATTE RGNL ALTIMETER SETTING AND INCREASE ALL MDAS 160 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE NORTH PLATTE RGNL ALTIMETER SETTING AND INCREASE ALL MDAS 160 FEET, INCREASE CAT B VISIBILITY TO 1 1/4 MILES, AND CIRCLING CAT B VISIBILITY TO 1 1/4 MILES. THIS IS VOR/DME RWY 32, ORIG-A

FDC 9/0342 BBW FI/P BROKEN BOW MUNI, BROKEN BOW, NE. VOR RWY 14, AMDT 4...CHANGE NORTH PLATTE ALTIMETER SETTING MINIMUMS TO READ NORTH PLATTE RGNL ALTIMETER SETTING MINIMUMS. DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; IF NOT RECEIVED, USE NORTH PLATTE ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE NORTH PLATTE RGNL ALTIMETER SETTING. S-14: CAT A/B HAT 693 CIRCLING: CAT A/B HAA 733 NORTH PLATTE RGNL ALTIMETER SETTING MINIMUMS. S-14: CAT A/B HAT 833 CIRCLING: CAT A/B HAA 893 CHART: FIELD ELEVATION 2547 CHART: TDZE 2547. THIS IS VOR RWY 14, AMDT 4A.

FDC 9/0343 BBW FI/P BROKEN BOW MUNI, BROKEN BOW, NE. RNAV (GPS) RWY 32, AMDT 1...DELETE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTH PLATTE ALTIMETER SETTING AND INCREASE ALL DA/MDA 160 FEET AND INCREASE LPV ALL CATS VISIBILITY 3/4 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1 1/4 MILE, INCREASE LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTH PLATTE RGNL ALTIMETER SETTING AND INCREASE ALL DA/MDA 160 FEET AND INCREASE LPV ALL CATS VISIBILITY 3/4 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1 1/4 MILE, INCREASE LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE. DELETE NOTE: VDP AND BARO/VNAV NA WHEN USING NORTH PLATTE ALTIMETER SETTING. CHART NOTE: VDP AND BARO/VNAV NA WHEN USING NORTH PLATTE RGNL ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 32, AMDT 1A.

FDC 9/0349 MKE FI/P GENERAL MITCHELL INTERNATIONAL, MILWAUKEE, WI. ILS OR LOC RWY 19R, AMDT 10A...CHANGE YANKS LOM/RADAR TO YANKS LOM. DELETE ADF OR RADAR REQUIRED. THIS IS ILS OR LOC RWY 19R, AMDT 10B.

FDC 9/0350 MKE FI/P GENERAL MITCHELL INTERNATIONAL, MILWAUKEE, WI. ILS OR LOC RWY 7R, AMDT 15A...CHANGE TEELS LOM/I-GMF 5.7 DME/RADAR TO TEELS LOM/I-GMF 5.7 DME. DELETE NOTE: ADF OR RADAR REQUIRED. CHART PLANVIEW NOTE: ADF REQUIRED. THIS IS ILS OR LOC RWY 7R, AMDT 15B

FDC 9/0365 TIX FI/P SPACE COAST REGIONAL, TITUSVILLE, FL. ILS RWY 36, AMDT 10A...CHANGE CHART NOTE TO READ: WHEN CONTROL TOWER CLOSED, USE MELBOURNE ALTIMETER SETTING. S-ILS 36: DA 234 ALL CATS S-LOC 36: HAT 366 ALL CATS CIRCLING HAA 606 ALL CATS MELBOURNE ALTIMETER SETTING MINIMUMS S-ILS 36: DA 294 ALL CATS S-LOC 36: HAT 426 ALL CATS CIRCLING HAA 666 ALL CATS CHART MSA FROM MLB VOR/DME 27 NM 3000. AIRPORT ELEVATION: 34 TDZE ELEVATION 34. THIS IS ILS OR LOC RWY 36, AMDT 10B.

FDC 9/0391 3F4 FI/P VIVIAN, VIVIAN, LA. RNAV (GPS) RWY 27, ORIG...DELETE NOTE: WHEN SHREVEPORT RGNL ALTIMETER SETTING NOT RECEIVED, USE SHREVEPORT DOWNTOWN ALTIMETER SETTING. CHART NOTE: USE SHREVEPORT RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE SHREVEPORT DOWNTOWN ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 27, ORIG-A.

FDC 9/0392 3F4 FI/P VIVIAN, VIVIAN, LA. RNAV (GPS) RWY 9, ORIG...DELETE
NOTE: WHEN SHREVEPORT RGNL ALTIMETER SETTING NOT RECEIVED,
USE SHREVEPORT DOWNTOWN ALTIMETER SETTING. CHART NOTE: USE
SHREVEPORT RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE
SHREVEPORT DOWNTOWN ALTIMETER SETTING. THIS IS RNAV (GPS) RWY
9, ORIG-A.

FDC 9/0393 3F4 FI/P VIVIAN, VIVIAN, LA. VOR/DME A, AMDT 3...DELETE
NOTE: WHEN SHREVEPORT RGNL ALTIMETER SETTING NOT RECEIVED,
USE SHREVEPORT DOWNTOWN ALTIMETER SETTING. CHART NOTE: USE
SHREVEPORT RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE
SHREVEPORT DOWNTOWN ALTIMETER SETTING. THIS IS VOR/DME A,
AMDT 3A.

FDC 9/0394 3F4 FI/P VIVIAN, VIVIAN, LA. NDB RWY 9, AMDT 2...DELETE
NOTE: WHEN SHREVEPORT RGNL ALTIMETER SETTING NOT RECEIVED,
USE SHREVEPORT DOWNTOWN ALTIMETER SETTING. CHART NOTE: USE
SHREVEPORT RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE
SHREVEPORT DOWNTOWN ALTIMETER SETTING. THIS IS NDB RWY 9,
AMDT 2A.

FDC 9/0534 RFD FI/P CHICAGO/ROCKFORD INTL, CHICAGO/ROCKFORD, IL
ILS OR LOC RWY 7 AMDT 1A...ILS RWY 7 (CAT II) AMDT 1A...ILS RWY 7 (CAT
III) AMDT 1A...S-LOC 7 CAT C VIS RVR 4000. CHANGE MISSED APPROACH
INSTRUCTIONS TO READ: CLIMB TO 1700 THEN CLIMBING LEFT TURN TO
2600 DIRECT RFD VOR/DME AND HOLD. CHART PROFILE NOTE: VGSI AND
ILS GLIDEPATH NOT COINCIDENT. THIS IS ILS OR LOC RWY 7 AMDT 1B, ILS
RWY 7 (CAT II) AMDT 1B, ILS RWY 7 (CAT III) AMDT 1B.

FDC 9/0576 SGJ FI/P ST AUGUSTINE, ST AUGUSTINE, FL. VOR RWY 13, ORIG-
A...CHANGE "WAKIM FIX MINIMUMS" TO READ "WIKAM FIX MINIMUMS".
THIS IS VOR RWY 13, ORIG-B.

FDC 9/0592 5B2 FI/P SARATOGA COUNTY, SARATOGA SPRINGS, NY. TAKE
OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE, AMDT 3
DELETE NOTE: RWY 5, TREES BEGINING 799 FEET FROM DEPARTURE END
OF RUNWAY, 50 FEET LEFT OF CENTERLINE UP TO 84 FEET AGL / 503 FEET
MSL. TREES BEGINNING 849 FEET FROM DEPARTURE END OF RUNWAY, 133
FEET RIGHT OF CENTERLINE UP TO 738 FEET AGL / 507 FEET MSL. ADD:
NOTE: RWY 5, TREES BEGINING 799 FEET FROM DEPARTURE END OF
RUNWAY, 50 FEET LEFT OF CENTERLINE UP TO 84 FEET AGL / 503 FEET MSL.
TREES BEGINNING 849 FEET FROM DEPARTURE END OF RUNWAY, 33 FEET
RIGHT OF CENTERLINE UP TO 87 FEET AGL / 507 FEET MSL. REST OF DATA
REMAINS AS PUBLISHED. THIS IS TAKE-OFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES AMDT 3A.

FDC 9/0827 RMG FI/P RICHARD B RUSSELL, ROME, GA. RNAV (GPS) RWY 25, ORIG...CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 25, ORIG-A.

FDC 9/0828 RMG FI/P RICHARD B RUSSELL, ROME, GA. RNAV (GPS) RWY 7, ORIG...CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 7, ORIG-A.

FDC 9/0864 EAU FI/P CHIPPEWA VALLEY RGNL, EAU CLAIRE, WI. ILS OR LOC RWY 22, AMDT 8...ALTERNATE MINIMUMS: ILS: STANDARD-ASTERISK/AT SYMBOL. LOC: STANDARD-ASTERISK/AT SYMBOL. ASTERISK: S-ILS 22 CAT D 800-2 1/2 ASTERISK: S-LOC 22 CAT D 800-2 1/2 AT SYMBOL: NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS ILS OR LOC RWY 22, AMDT 8A.

FDC 9/0865 POH FI/P POCAHONTAS MUNI, POCAHONTAS, IA TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2...TAKE-OFF MINIMUMS: RWY 18, 36 NA - TURF ALL OTHER DATA REMAINS AS PUBLISHED THIS IS TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2A.

FDC 9/0866 JYR FI/P YORK MUNI, YORK, NE. NDB RWY 35, AMDT 4...CHART TDZE 1670 FEET. DELETE CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA MUNICIPAL AL POTTER FIELD ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. S-35 HAT 750 ALL CATS. THIS IS NDB RWY 35, AMDT 4A.

FDC 9/0867 POH FI/P POCAHONTAS MUNI, POCAHONTAS, IA. VOR/DME OR GPS RWY 29, AMDT 3...S-29: MDA 1900/HAT 678 ALL CATS. CAT C VIS 2. CIRCLING: CAT A MDA 1900/HAA 676. THIS IS VOR/DME OR GPS RWY 29, AMDT 3A.

FDC 9/0869 LWC FI/P LAWRENCE MUNI, LAWRENCE, KS. VOR/DME A, AMDT 10...CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILIP BILLARD MUNI ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND CAT C VISIBILITY 1/4 MILE. CHART APT ELEV 833. ALTERNATE MINIMUMS: STANDARD, EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. CIRCLING HAA 647 ALL CATS. THIS IS VOR/DME A, AMDT 10A.

FDC 9/0870 LWC FI/P LAWRENCE MUNI, LAWRENCE, KS. ILS OR LOC RWY 33, AMDT 1A...CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILIP BILLARD MUNI ALTIMETER SETTING AND INCREASE ALL DA 52 FEET AND ALL MDA 60 FEET. CHART APT ELEV 833. ALTERNATE MINIMUMS: ILS, CAT A/B, STANDARD; CAT C, 700-2; CAT A/B/C, NA WHEN LOCAL WEATHER NOT AVAILABLE. LOC, STANDARD, EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CIRCLING: CAT A/B HAA 587, CAT C HAA 607. THIS IS ILS OR LOC RWY 33, AMDT 1B.

FDC 9/0873 LWC FI/P LAWRENCE MUNI, LAWRENCE, KS. RNAV (GPS) RWY 15, ORIG-A...CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILIP BILLARD MUNI ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTER NA. DELETE NOTE: CIRCLING NA AT NIGHT TO RWYS 1 AND 19. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART APT ELEV 833. ALTERNATE MINIMUMS: STANDARD, EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. DELETE VDP. CIRCLING: CAT A/B HAA 587, CAT C HAA 607. THIS IS RNAV (GPS) RWY 15, ORIG-B.

FDC 9/0877 LNN FI/P WILLOUGHBY LOST NATION MUNI, WILLOUGHBY, OH. RNAV (GPS) RWY 10, ORIG...MISSED APPROACH: CLIMB TO 2900 DIRECT PADIY AND VIA TRACK 150.87 TO CXR VOR/DME AND HOLD. THIS IS RNAV (GPS) RWY 10, ORIG-A.

FDC 9/0878 MFD FI/P MANSFIELD LAHM REGIONAL, MANSFIELD, OH. ILS OR LOC RWY 32, AMDT 16...CIRCLING CAT D MDA 1880/HAA 583. THIS IS ILS OR LOC RWY 32, AMDT 16A.

FDC 9/0882 MFD FI/P MANSFIELD LAHM REGIONAL, MANSFIELD, OH. VOR RWY 32, AMDT 7...CIRCLING CAT D MDA 1880/HAA 583. THIS IS VOR RWY 32, AMDT 7A.

FDC 9/0883 MFD FI/P MANSFIELD LAHM REGIONAL, MANSFIELD, OH. RNAV (GPS) RWY 32, ORIG...CIRCLING CAT D MDA 1880/HAA 583. THIS IS RNAV (GPS) RWY 32, ORIG-A.

FDC 9/0884 MFD FI/P MANSFIELD LAHM REGIONAL, MANSFIELD, OH. RADAR-1, AMDT 4...CIRCLING CAT D MDA 1880/HAA 583. THIS IS RADAR-1, AMDT 4A.

FDC 9/0885 MFD FI/P MANSFIELD LAHM REGIONAL, MANSFIELD, OH. VOR RWY 14, AMDT 14...CIRCLING CAT D MDA 1880/HAA 583. THIS IS VOR RWY 14, AMDT 14A.

FDC 9/0886 MFD FI/P MANSFIELD LAHM REGIONAL, MANSFIELD, OH. RNAV (GPS) RWY 14, ORIG...LNAV: VISIBILITY CAT A/B/C 1, CAT D 1 1/4. DELETE NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY 1/4 MILE. CIRCLING: CAT D MDA 1880/HAA 583. THIS IS RNAV (GPS) RWY 14, ORIG-A.

FDC 9/0909 DEH FI/P DECORAH MUNI, DECORAH, IA. NDB RWY 29, AMDT 1...S-29: CAT A/B HAT 802. CIRCLING: CAT A/B HAA 802. SUSTE FIX MINIMUMS: S-29: CAT A/B HAT 622. CIRCLING: CAT A/B HAA 622. APRT ELEVATION: 1158 TDZ ELEVATION: 1158. THIS IS NDB RWY 29, AMDT 1A.

FDC 9/0910 DEH FI/P DECORAH MUNI, DECORAH, IA. VOR RWY 29, AMDT 3A...S-29 CAT A/B HAT 622. CIRCLING CAT A/B HAA 622. DME MINIMUMS: S-29 CAT A/B HAT 422. CIRCLING HAA 422 CAT A, HAA 462 CAT B. ARPT ELEVATION: 1158 TDZ ELEVATION: 1158 THIS IS VOR RWY 29, AMDT 3B.

FDC 9/0911 DEH FI/P DECORAH MUNI, DECORAH, IA. RNAV (GPS) RWY 29, ORIG...LNAV CAT A/B HAT 422. CIRCLING CAT A/B HAA 462. TDZ ELEVATION: 1158 ARPT ELEVATION: 1158 THIS IS RNAV (GPS) RWY 29, ORIG-A.

FDC 9/0916 STL FI/P LAMBERT-ST LOUIS INTL, ST LOUIS, MO ILS OR LOC RWY 30R AMDT 9B...ILS RWY 30R (CAT II) AMDT 9B...ILS RWY 30R (CAT III) AMDT 9B...CHART NOTE: DISREGARD OM INDICATION. THIS IS ILS OR LOC RWY 30R AMDT 9C, ILS RWY 30R (CAT II) AMDT 9C, ILS RWY 30R (CAT III) AMDT 9C

FDC 9/1049 ONT FI/P ONTARIO INTL, ONTARIO, CA. ILS RWY 26R, AMDT 3...CIRCLING VISIBILITY CAT C 1 3/4. DME MINIMUMS S-LOC 26R CAT C VISIBILITY RVR 4000. THIS IS ILS OR LOC RWY 26R, AMDT 3A.

FDC 9/1050 ONT FI/P ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 8L, AMDT 1A...LPV DA 1266/HAT 322 ALL CATS, VISIBILITY ALL CATS RVR 4000. LNAV/VNAV VISIBILITY 1 1/2 ALL CATS. LNAV VISIBILITY CATS A/B RVR 2400, CAT C RVR 5000, CAT D RVR 6000. DIST TO THLD FROM 322 HAT: 0.87NM. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1C (28F) OR ABOVE 47C (116F). DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV VISIBILITY ALL CATS TO RVR 6000. THIS IS RNAV (GPS) Y RWY 8L, AMDT 1B.

FDC 9/1051 ONT FI/P ONTARIO INTL, ONTARIO, CA. VOR/DME RWY 8R, ORIG...S-8R: MDA 1480/HAT 544 ALL CATS. VIS CAT A/B RVR 5000, CAT D 1 3/4. CIRCLING: CAT A/B/C MDA 1480/HAA 536. CHART FAS OBS: 1227 STEEPLE 340452N-1173906W. THIS IS VOR/DME RWY 8R, ORIG-A.

FDC 9/1052 ONT FI/P ONTARIO INTL, ONTARIO, CA. RNAV (RNP) Z RWY 26R, ORIG...RNP 0.30 DA 1324/HAT 392 ALL CATS. DIST TO THLD FROM 392 HAT: 1.04 NM. CHART FAS OBS: 1025 TL 340348N-1173401W. THIS IS RNAV (RNP) Z RWY 26R, ORIG-A.

FDC 9/1055 ONT FI/P ONTARIO INTL, ONTARIO, CA. RNAV (RNP) Z RWY 26L, ORIG...RNP 0.30 DA 1319/HAT 393 ALL CATS. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 47C (116F). DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 1C (28F) OR ABOVE 47C (116F). DELETE PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART FAS OBST: 1025 TL 340348N-1173401W. THIS IS RNAV (RNP) Z RWY 26L, ORIG-A.

FDC 9/1056 ONT FI/P ONTARIO INTL, ONTARIO, CA. RNAV (RNP) Z RWY 8L, ORIG...RNP 0.3 DA 1490/HAT 546 ALL CATS. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1C (31F) OR ABOVE 47C (116F). DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW (-1C) (28F) OR ABOVE 47C (116F). CHART FAS OBS: 1167 ANT 340355N-1173848W. THIS IS RNAV (RNP) Z RWY 8L, ORIG-A.

FDC 9/1057 ONT FI/P ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 26R, AMDT 1...CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1C (28F) OR ABOVE 47C (116F). THIS IS RNAV (GPS) Y RWY 26R, AMDT 1A.

FDC 9/1058 ONT FI/P ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 26L, AMDT 1...CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1C (28F) OR ABOVE 47C (116F). DELETE PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. THIS IS RNAV (GPS) Y RWY 26L, AMDT 1A.

FDC 9/1180 HDO FI/P HONDO MUNI, HONDO, TX. RNAV (GPS) RWY 17L, ORIG...DELETE NOTES: ARM APPROACH MODE PRIOR TO IAF, AND GPS OR RNP-0.3 REQUIRED. DELETE NOPT FROM TERMINAL ROUTE JENDE TO ORUNY. THIS IS RNAV (GPS) RWY 17L, ORIG-A.

FDC 9/1181 T59 FI/P WHEELER MUNI, WHEELER, TX. VOR/DME OR GPS A, AMDT 1...ADD NOPT TO TERMINAL ROUTE SAYRE (SYO) VORTAC (IAF) TO (CFHXD) SYO R-273/13DME. THIS IS VOR/DME OR GPS A, AMDT 1A.

FDC 9/1187 GYI FI/P GRAYSON COUNTY, SHERMAN/DENISON, TX. NDB OR GPS RWY 17L, AMDT 9B...S-17L HAT 559 ALL CATS. DALLAS-LOVE FIELD ALTIMETER SETTING MINIMUMS: S-17L HAT 719 ALL CATS. CHART TDZE 741. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING. DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF: WHEN NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING. CHANGE ALL REFERENCE TO GRAYSON COUNTY TO NORTH TEXAS RGNL. THIS IS NDB OR GPS RWY 17L, AMDT 9C.

FDC 9/1189 GYI FI/P GRAYSON COUNTY, SHERMAN/DENISON, TX. ILS RWY 17L, ORIG-A...CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING. DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF: WHEN NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHANGE ALL REFERENCE TO GRAYSON COUNTY TO NORTH TEXAS RGNL. THIS IS ILS OR LOC RWY 17L AMDT, ORIG-B.

FDC 9/1190 GYI FI/P GRAYSON COUNTY, SHERMAN/DENISON, TX. VOR/DME RNAV RWY 35R, ORIG-C...S-35R MDA 1460/HAT 711 ALL CATS. VIS CAT C 2, CAT D 2 1/4. CIRCLING MDA 1460/HAA 711 ALL CATS. VIS CAT C 2, CAT D 2 1/4. INOPERATIVE TABLE DOES NOT APPLY TO S-35R CAT C. DALLAS-LOVE FIELD ALTIMETER SETTING MINIMUMS: S-35R MDA 1620/HAT 871 ALL CATS. CIRCLING MDA 1620/HAA 871 ALL CATS. INOPERATIVE TABLE DOES NOT APPLY TO S-35R CAT B/C. CHART NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING. VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF: WHEN NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING. CHANGE ALL REFERENCE TO GRAYSON COUNTY TO NORTH TEXAS RGNL. THIS IS VOR/DME RNAV RWY 35R, ORIG-D.

FDC 9/1191 GYI FI/P GRAYSON COUNTY, SHERMAN/DENISON, TX. VOR/DME A, ORIG-B...CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING. DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF: WHEN NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING. CHANGE ALL REFERENCE TO GRAYSON COUNTY TO NORTH TEXAS RGNL. THIS IS VOR/DME A, ORIG-C.

FDC 9/1782 ALS FI/P SAN LUIS VALLEY REGIONAL/BERGMAN FIELD, ALAMOSA, CO. VOR/DME OR GPS B, AMDT 4...MSA FROM ALS VORTAC: 070-160 13300, 160-250 12600, 250-340 13800, 340-070 15600. THIS IS VOR/DME OR GPS B, AMDT 4A.

FDC 9/1783 ALS FI/P SAN LUIS VALLEY REGIONAL/BERGMAN FIELD, ALAMOSA, CO. VOR OR GPS A, AMDT 6...MSA FROM ALS VORTAC: 070-160 13300, 160-250 12600, 250-340 13800, 340-070 15600. THIS IS VOR OR GPS A, AMDT 6A.

FDC 9/1784 MCE FI/P MERCED MUNI-MACREADY FIELD, MERCED, CA TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE AMDT 5...CHANGE ALL REFERENCES TO MERCED MUNI-MACREADY FIELD, MERCED, CA TO MERCED REGIONAL/MACREADY FIELD, MERCED, CA. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE AMDT 5A.

FDC 9/1787 MCE FI/P MERCED MUNI/MACREADY FIELD, MERCED, CA. VOR RWY 30, ORIG...CHANGE ALL REFERENCES TO MERCED MUNI-MACREADY FIELD, MERCED, CA TO MERCED REGIONAL/MACREADY FIELD, MERCED, CA. CHART NOTE: CIRCLING NA NE OF RWY 12-30. DELETE NOTE: CIRCLING NA NORTHEAST OF RWY 12 AND 30. THIS IS VOR RWY 30, ORIG-A.

FDC 9/1788 MCE FI/P MERCED MUNI/MACREADY FIELD, MERCED, CA. GPS RWY 12, ORIG-B...CHANGE ALL REFERENCES TO MERCED MUNI-MACREADY FIELD, MERCED, CA TO MERCED REGIONAL/MACREADY FIELD, MERCED, CA. CHART NOTE: CIRCLING NA NE OF RWY 12-30. DELETE NOTE: CIRCLING NOT AUTHORIZED NORTHEAST OF RWY 12-30. THIS IS GPS RWY 12, ORIG-C.

FDC 9/1789 MCE FI/P MERCED MUNI/MACREADY FIELD, MERCED, CA. ILS RWY 30, AMDT 14B...CHANGE ALL REFERENCES TO MERCED MUNI-MACREADY FIELD, MERCED, CA TO MERCED REGIONAL/MACREADY FIELD, MERCED, CA. CHART NOTE: CIRCLING NA NE OF RWY 12-30. DELETE NOTE: CIRCLING NOT AUTHORIZED NORTHEAST OF RWY 12-30. THIS IS ILS OR LOC RWY 30, AMDT 14C.

FDC 9/1790 MCE FI/P MERCED MUNI/MACREADY FIELD, MERCED, CA. LOC BC RWY 12, AMDT 10C...CHANGE ALL REFERENCES TO MERCED MUNI-MACREADY FIELD, MERCED, CA TO MERCED REGIONAL/MACREADY FIELD, MERCED, CA. CHART NOTE: CIRCLING NA NE OF RWY 12-30. DELETE NOTE: CIRCLING NOT AUTHORIZED NORTHEAST OF RWY 12-30. THIS IS LOC BC RWY 12, AMDT 10D.

FDC 9/1791 MCE FI/P MERCED MUNI/MACREADY FIELD, MERCED, CA. RNAV (GPS) RWY 30, ORIG...CHANGE ALL REFERENCES TO MERCED MUNI-MACREADY FIELD, MERCED, CA TO MERCED REGIONAL/MACREADY FIELD, MERCED, CA. CHART NOTE: CIRCLING NA NE OF RWY 12-30. DELETE NOTE: CIRCLING NA NORTHEAST OF RWY 12-30. THIS IS RNAV (GPS) RWY 30, ORIG-A.