

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
<b>TERMINAL ROUTES</b>								<b>MISSED APPROACH</b>							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW17  CLIMB TO 2500 DIRECT KEKTE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, RT, 166.00 INBOUND. CHART FAS OBST: 1015 TREE 341046N/0833350W CHART 1079 TREE 341541N/0833443W. DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 0.93 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 78404 REFERENCE PATH ID: W17A							
CORCE (IAF)		MIJLO (FB)		226.74 / 6.19		3500									
MIJLO (IF)		KUKRE (FB)		168.35 / 6.87		2800									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. PROFILE STARTS AT MIJLO 3. FAC: <u>168.37</u> FAF: <u>KUKRE</u> DIST FAF TO MAP: <u>5.62</u> THLD: <u>5.62</u> 4. MIN. ALT: <u>MIJLO 3500, KUKRE 2800, KAWAS/2.80 NM TO RW17 1880*</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>2800</u> GS ALT AT: <u>KUKRE 2800</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 IS CLEAR</u> 8. MSA FROM: <u>RW17 4400</u>								MAG VAR: 5W EPOCH YEAR: 2010							
<b>MINIMUMS</b>															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A				<b>STANDARD</b>							
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	1193	1	250	1193	1	250	1193	1	250	1193	1	250			
LNAV/VNAV DA	1228	1	285	1228	1	285	1228	1	285	1228	1	285			
LNAV MDA	1280	1	337	1280	1	337	1280	1	337	1280	1	337			
CIRCLING	1360	1	409	1420	1	469	1420	1 1/2	469	1520	2	569			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING ATHENS/BEN EPPS 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CORCE VIA V5-311-417 EAST BOUND AND V222 SEE 8260-10															
CITY AND STATE				ELEVATION: 951 TDZE: 943		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 16			
JEFFERSON, GA				AIRPORT NAME:				RNAV (GPS) RWY 17, AMDT 1				AMDT: ORIG-A			
				JACKSON COUNTY				22 OCT 2009				DATED 12/20/2007			

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

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**NOTES CONT.****NORTHEAST BOUND.****VDP NA WHEN USING ATHENS/BEN EPPS ALTIMETER SETTING.****WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATHENS/BEN EPPS ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET. INCREASE LPV AND LNAV/VNAV VISIBILITY 1/4 MILE. INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE.**

CITY AND STATE

JEFFERSON, GA

ELEVATION: 951

TDZE: 943

AIRPORT NAME:

JACKSON COUNTY

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 1

22 OCT 2009

SUP: RNAV (GPS) RWY 16

AMDT: ORIG-A

DATED: 12/20/2007

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 19A  
RUNWAY RW17  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W17A  
LTP/FTP LATITUDE 341057.8010N  
LTP/FTP LONGITUDE 0833350.6130W  
LTP/FTP ELLIPSOIDAL HEIGHT +02543  
FPAP LATITUDE 340932.2700N  
FPAP LONGITUDE 0833319.9200W  
THRESHOLD CROSSING HEIGHT (TCH) 00051.4  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 1160  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

7D53C3A5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7  
LTP ORTHOMETRIC HEIGHT +02840  
FPAP ORTHOMETRIC HEIGHT +02840

QUALITY  
5  
00000

CITY AND STATE  
JEFFERSON, GA

ELEVATION: 951 TDZE: 943  
AIRPORT NAME:  
JACKSON COUNTY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 17, AMDT 1  
22 OCT 2009

SUP: RNAV (GPS) RWY 16  
AMDT: ORIG-A  
DATED: 12/20/2007

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 19A K7FR17	ACORCE	010CORCEK7EA0E	A	IF					18000			A JS	
SUSAP 19A K7FR17	ACORCE	020MIJLOK7EA0EE	010TF			22670062		+ 03500				A JS	
SUSAP 19A K7FR17	R	010MIJLOK7EA0E	I	IF				+ 03500	18000			A JS	
SUSAP 19A K7FR17	R	020KUKREK7EA1E	F	051TF		16840069		+ 02800			RW17	K7PGA	JS
SUSAP 19A K7FR17	R	020KUKREK7EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP 19A K7FR17	R	021KAWASK7EA0E	S	031TF		16840028		V 0188001883		-300		A JS	
SUSAP 19A K7FR17	R	030RW17	K7PG0GY	M	031TF	16840028		00983		-300		A JS	
SUSAP 19A K7FR17	R	040KEKTEK7EA0EYM	010DF					+ 02500				A JS	
SUSAP 19A K7FR17	R	050KEKTEK7EA0EE	R020HM			16600040		+ 02500				A JS	

[illegible][illegible]

QUALITY  
CHECKED

CITY AND STATE  JEFFERSON, GA	ELEVATION: 951      TDZE: 943  AIRPORT NAME:  JACKSON COUNTY	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 17, AMDT 1  22 OCT 2009	SUP: RNAV (GPS) RWY 16
				AMDT:      ORIG-A
				DATED:      12/20/2007

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QUALITY  
CHECKED

FAA FORM 8260-10 / MARCH 2003 (Computer Generated) 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
	CORCE	CORCE	010	IAF	IF		FB				
	CORCE	MIJLO	020		TF		FB	1.0	226.7 (222T)	006.2	03500
		MIJLO	010	FACF	IF		FB				03500
		KUKRE	020	PAF	TF		FB	0.5	168.4 (163T)	006.9	02800
		KAWAS	021	SDF	TF		FB	0.3	168.4 (163T)	002.8	0188001883
		RW17	030	MAP	TF		FO	0.3	168.4 (163T)	002.8	00983

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KEKTE	040		DF		FO	1.0			02500
	KEKTE	050		HM	R	FO	2.0	166.0 (161T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CORCE	N342734.99	W0833310.59	N3427.583	W08333.177
	KAWAS	N341339.07	W0833448.53	N3413.651	W08334.809
	KEKTE	N335952.07	W0832952.16	N3359.868	W08329.869
	KUKRE	N341621.34	W0833546.87	N3416.356	W08335.781
	MIJLO	N342257.21	W0833809.46	N3422.954	W08338.158
	RW17	N341057.80	W0833350.61	N3410.963	W08333.844

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00932	51

QUALITY  
1  
CHECKED

CITY AND STATE JEFFERSON, GA	ELEVATION: 951 TDZE: 943	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 22 OCT 2009	SUP: RNAV (GPS) RWY 16
	AIRPORT NAME: JACKSON COUNTY			AMDT: ORIG-A
				DATED: 12/20/2007

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

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## TAA

	FROM	TO	ALT
1.	144/30 CW 324/30 (NOPT)	144/15 CW 324/15	3600
	144/15 CW 324/15	TUPUE (IF/IAF) (FB)	2800
2.	324/30 CW 054/30	324/10 CW 054/10	3700
	324/10 CW 054/10	COLKI (IAF) (FB)	3100
3.	054/30 CW 144/30	054/15 CW 144/15	4200
	054/15 CW 144/15	HEROR (IAF) (FB)	3100

QUALITY  
3  
CHECKED

CITY AND STATE

GREENSBORO, NC

ELEVATION: 926 TDZE: 856

AIRPORT NAME:

PIEDMONT TRIAD INTL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23R, ORIG

22 OCT 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 KGSO  
RUNWAY RW23R  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR 0  
REFERENCE PATH DATA SELECTOR W23B  
REFERENCE PATH IDENTIFIER (APPROACH ID) 360659.1600N  
LTP/FTP LATITUDE 0795613.7000W  
LTP/FTP LONGITUDE +02291  
LTP/FTP ELLIPSOIDAL HEIGHT 360557.1900N  
FPAP LATITUDE 0795732.7400W  
FPAP LONGITUDE 00055.0  
THRESHOLD CROSSING HEIGHT (TCH) F  
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00  
GLIDEPATH ANGLE (GPA) 106.75  
COURSE WIDTH AT THRESHOLD 0008  
LENGTH OFFSET 40.0  
HORIZONTAL ALERT LIMIT (HAL) 35.0  
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

80D39741

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7  
LTP ORTHOMETRIC HEIGHT +02608  
FPAP ORTHOMETRIC HEIGHT +02608

QUALITY  
3  
CHECKED

CITY AND STATE  
GREENSBORO, NC

ELEVATION: 926 TDZE: 856  
AIRPORT NAME:  
PIEDMONT TRIAD INTL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 23R, ORIG  
22 OCT 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 KGSOK7FR23R	ACOLKI	010COLKIK7EA0E	A	IF					18000			A JS	
SUSAP KGSOK7FR23R	ACOLKI	020TUPUEK7EA0EE		010TF		32410050		+ 02800				A JS	
SUSAP KGSOK7FR23R	AHEROR	010HERORK7EA0E	A	IF					18000			A JS	
SUSAP KGSOK7FR23R	AHEROR	020TUPUEK7EA0EE		010TF		14410050		+ 02800				A JS	
SUSAP KGSOK7FR23R	ATUPUE	010TUPUEK7EA0EE	AR	HF		23410040		+ 02800		18000		A JS	
SUSAP KGSOK7FR23R	R	010TUPUEK7EA0E	I	IF				+ 02800		18000		A JS	
SUSAP KGSOK7FR23R	R	020HEVEDK7EA1E	F	051TF		23410051		+ 02800				A JS	
SUSAP KGSOK7FR23R	R	020HEVEDK7EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KGSOK7FR23R	R	030RW23RK7PG0G	M	031TF		23400059		00911		-300		A JS	
SUSAP KGSOK7FR23R	R	040JEVENK7EA0EYM		010DF				+ 02500				A JS	
SUSAP KGSOK7FR23R	R	050JEVENK7EA0EE		R020HM		05390040		+ 02500				A JS	

[illegible][illegible]

QUALITY  
7  
CHECKER

CITY AND STATE  GREENSBORO, NC	ELEVATION: 926      TDZE: 856 AIRPORT NAME:  PIEDMONT TRIAD INTL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 23R, ORIG  22 OCT 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
	COLKI	COLKI	010	IAF	IF		FB				
	COLKI	TUPUE	020		TF		FB	1.0	324.1 (316T)	005.0	02800
	HEROR	HEROR	010	IAF	IF		FB				
	HEROR	TUPUE	020		TF		FB	1.0	144.1 (136T)	005.0	02800
	TUPUE	TUPUE	010	IAF	HF	R	FO		234.1 (226T)	004.0	02800
		TUPUE	010	FACF	IF		FB				02800
		HEVED	020	FAP	TF		FB	0.5	234.1 (226T)	006.1	02800
		RW23R	030	MAP	TF		FB	0.3	234.0 (226T)	005.8	00911

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEVEN	040		DF		FO	1.0			02500
	JEVEN	050		HM	R	FO	2.0	053.9 (046T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COLKI	N361140.92	W0794119.21	N3611.682	W07941.320
	HEROR	N361853.50	W0794954.08	N3618.892	W07949.901
	HEVED	N361102.77	W0795102.48	N3611.046	W07951.041
	JEVEN	N355824.31	W0800708.79	N3558.405	W08007.147
	TUPUE	N361517.14	W0794536.64	N3615.286	W07945.611
	RW23R	N360659.16	W0795613.70	N3606.986	W07956.228

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23R	00856	55

QUALITY  
1  
CHECKED

CITY AND STATE <b>GREENSBORO, NC</b>	ELEVATION: 926 TDZE: 856	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23R, ORIG</b> <b>22 OCT 2009</b>	SUP:
	AIRPORT NAME: <b>PIEDMONT TRIAD INTL</b>			AMDT: <b>NONE</b>
				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: <input type="checkbox"/>	STANDARD <input type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A <input type="checkbox"/>							
CATEGORY =====>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

22 OCT 2009

PROCEDURE CANCELED EFFECTIVE \_\_\_\_\_

CITY AND STATE REIDSVILLE, NC	ELEVATION: 693 TDZE: 668	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 31, ORIG, 01/01/1998	SUP
	AIRPORT NAME:  ROCKINGHAM COUNTY NC SHILOH			AMDT NONE
				DATE

<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>NDB STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICE - FAR PART 97.27</b>										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
<b>TERMINAL ROUTES</b>															<b>MISSED APPROACH</b>				
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: 4.99 MILES AFTER SIF NDB							
GSO VORTAC			SIF NDB			030.19 / 22.65				3000		CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 2600 DIRECT SIF NDB AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 315.21 INBOUND. CHART FAS OBST: 919 TREE 362309N/0794833W CHART 958 TOWER 362351N/0794617W SIF NDB TO RW31: 3.20/40							
PLEXI INT			SIF NDB			119.25 / 12.73				3000									
DAN VOR			SIF NDB			247.59 / 23.47				3000									
1. PT <u>L</u> SIDE OF COURSE <u>135.21</u> OUTBOUND <u>2600</u> FT WITHIN <u>10</u> MILES OF <u>SIF NDB</u> (IAF) 2. _____ 3. FAC <u>315.21</u> FAF <u>SIF NDB</u> DIST FAF TO MAP <u>4.99</u> THLD <u>4.99</u> 4. MIN. ALT <u>SIF NDB 2400</u> 8. MSA FROM: <u>SIF NDB 4300</u>															MAG VAR: 7W EPOCH YEAR: 1990				
<b>MINIMUMS</b>																			
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		1220	1	552	1220	1	552	1220	1 1/2	552	1220	1 3/4	552						
CIRCLING		1260	1	566	1280	1	586	1320	1 3/4	626	1320	2	626						
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 GREENSBORO ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-31 CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.																			
CITY AND STATE				ELEVATION: 694 TDZE: 668				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP			
REIDSVILLE, NC				AIRPORT NAME:				SIF				NDB RWY 31, AMDT 5				AMDT 4			
				ROCKINGHAM COUNTY NC SHILOH								22 OCT 2009				DATE 01/09/1992			

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
HOOTE (IAF)	GWYYN (NOPT) (FB)	221.48 / 5.00	3500
BOOYD (IAF)	GWYYN (NOPT) (FB)	041.42 / 5.00	3500
GWYYN (IF/IAF)	DIZZL (FB)	131.45 / 6.20	2700

LNAV: RW13

CLIMB TO 3600 DIRECT VERMS AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 311.68 INBOUND.  
CHART FAS OBST: 1046 TOWER 362755N/0795528W  
DIZZL TO RW13: 3.06/33

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NW GWYYN, RT, 131.45 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
- FAC: 131.51 FAF: DIZZL DIST FAF TO MAP: 6.08 THLD: 6.08
- MIN. ALT: GWYYN 3500, DIZZL 2700
- 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: 7W

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
LNAV MDA		1300	1	609	1300	1	609	1300	1 3/4	609	1300	2	609			
CIRCLING		1300	1	606	1300	1	606	1320	1 3/4	626	1320	2	626			

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 GREENSBORO ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE REIDSVILLE, NC	ELEVATION: 694 TDZE: 691 AIRPORT NAME: ROCKINGHAM COUNTY NC SHILOH	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED
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## 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.

INCREASE ALL MDA 100 FEET, INCREASE LNAV CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

## TAA

	FROM	TO	ALT
1.	041/30 CW 221/30 (NOPT) 041/5 CW 221/5	041/5 CW 221/5 GWYYN (IF/IAF) (FB)	5600 3500
2.	221/30 CW 311/30	HOOTE (IAF) (FB)	4300
3.	311/30 CW 041/30	BOOYD (IAF) (FB)	4800

CITY AND STATE

REIDSVILLE, NC

ELEVATION: 694 TDZE: 691

AIRPORT NAME:

ROCKINGHAM COUNTY NC SHILOH

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

22 OCT 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  REIDSVILLE, NC	ELEVATION: 694      TDZE: 691	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:  RNAV (GPS) RWY 13, ORIG  22 OCT 2009	SUP:	
	AIRPORT NAME:			AMDT:	NONE
	ROCKINGHAM COUNTY NC SHILOH			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
	BOOYD	BOOYD	010	IAF	IF		FB				
	BOOYD	GWYNN	020		TF		FB	1.0	041.4(034T)	005.0	03500
	GWYNN	GWYNN	010	IAF	HF	R	FO		131.5(125T)	004.0	03500
	HOOTE	HOOTE	010	IAF	IF		FB				
	HOOTE	GWYNN	020		TF		FB	1.0	221.5(215T)	005.0	03500
		GWYNN	010	FACF	IF		FB				03500
		DIZZL	020	FAF	TF		FB	0.5	131.5(125T)	006.2	02700
		RW13	030	MAP	TF		FO	0.3	131.5(125T)	006.1	00724

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	VERMS	040		DF		FO	1.0			03600
	VERMS	050		HM	R	FO	2.0	311.7(305T)	004.0	03600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOOYD	N362917.66	W0800731.33	N3629.294	W08007.522
	DIZZL	N362954.61	W0795740.47	N3629.910	W07957.675
	GWYNN	N363325.43	W0800400.87	N3633.424	W08004.015
	HOOTE	N363733.10	W0800030.04	N3637.552	W08000.501
	VERMS	N361935.65	W0793910.20	N3619.594	W07939.170
	RW13	N362627.45	W0795127.82	N3626.458	W07951.464

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13	00691		33

CITY AND STATE  
 REIDSVILLE, NC

ELEVATION: 694 TDZE: 691  
 AIRPORT NAME:  
 ROCKINGHAM COUNTY NC SHILOH

FACILITY  
 IDENTIFIER:  
 RNAV

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

SUP:  
 AMDT: NONE  
 DATED:



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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TAJKY (IAF)	VERMS (NOPT) (FB)	221.71 / 5.00	3600	LNAV: RW31
WADAG (IAF)	VERMS (NOPT) (FB)	041.65 / 5.00	3600	
VERMS (IF/IAF)	KLUTE (FB)	311.68 / 6.00	2400	CLIMB TO 3500 DIRECT GWYYN AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 131.45 INBOUND. CHART FAS OBST: 799 TREE 362550N/0795108W CHART 1238 TOWER 362313N-0794459W KLUTE TO RW31: 3.04/40

- MAG VAR: 7W EPOCH YEAR: 1990

[illegible]

© NA WHEN LOCAL WEATHER NOT AVAILABLE.

PAGE 1 OF 4 PAGES

**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 100 FEET, INCREASE LNAV CATS C AND D, AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

## TAA

	FROM	TO	ALT
1.	222/30 CW 042/30 (NOPT)	222/15 CW 042/15	4700
	222/15 CW 042/15	VERMS (IF/IAF) (FB)	3600
2.	042/30 CW 132/30	WADAG (IAF) (FB)	4800
3.	132/30 CW 222/30	TAJKY (IAF) (FB)	4300

CITY AND STATE

REIDSVILLE, NC

ELEVATION: 694 TDZE: 668

AIRPORT NAME:

ROCKINGHAM COUNTY NC SHILOH

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

22 OCT 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 KSIFK7FR31	ATAJKY	010TAJKYK7EAOE	A	IF						18000		B JS	
SUSAP KSIFK7FR31	ATAJKY	020VERMSK7EAOEE	010TF			22170050		+ 03600				B JS	
SUSAP KSIFK7FR31	AVEPMS	010VERMSK7EAOEE	AR	HF		31170040		+ 03600		18000		B JS	
SUSAP KSIFK7FR31	AWADAG	010WADAGK7EAOE	A	IF						18000		B JS	
SUSAP KSIFK7FR31	AWADAG	020VERMSK7EAOEE	010TF			04170050		+ 03600				B JS	
SUSAP KSIFK7FR31	R	010VERMSK7EAOE	I	IF				+ 03600		16000		B JS	
SUSAP KSIFK7FR31	R	020KLUTEK7EA1E	F	051TF		31170060		+ 02400				B JS	
SUSAP KSIFK7FR31	R	020KLUTEK7EA2WN			N		ALNAV					JS	
SUSAP KSIFK7FR31	R	021PEWPEK7EAOE	E	031TF		31160030		V	0140001422		-304	B JS	
SUSAP KSIFK7FR31	R	030RW31 K7FGOGY	M	031TF		31160022			00708		-304	B JS	
SUSAP KSIFK7FR31	R	040GWYYNK7EAOEYM	010DF						+ 03500			B JS	
SUSAP KSIFK7FR31	R	050GWYYNK7EAOEE	RO20HM			13150040			+ 03500			B JS	

[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
	TAJKY	TAJKY	010	IAF	IF		FB				
	TAJKY	VERMS	020		TF		FB	1.0	221.7(215T)	005.0	03600
	VERMS	VERMS	010	IAF	HP	R	FO		311.7(305T)	004.0	03600
	WADAG	WADAG	010	IAF	IF		FB				
	WADAG	VERMS	020		TF		FB	1.0	041.7(035T)	005.0	03600
		VERMS	010	FACF	IF		FB				03600
		KLUTE	020	FAF	TF		FB	0.5	311.7(305T)	006.0	02400
		PEWFE	021	SDF	TF		FB	0.3	311.6(305T)	003.0	0140001422
		RW31	030	MAR	TF		FO	0.3	311.6(305T)	002.2	00708

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GWYYN	040		DP		FO	1.0			03500
	GWYYN	050		HM	R	FO	2.0	131.5(125T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GWYYN	N363325.43	W0800400.87	N3633.424	W08004.015
	KLUTE	N362300.70	W0794516.95	N3623.012	W07945.283
	PEWFE	N362444.37	W0794822.78	N3624.740	W07948.380
	TAJKY	N362342.64	W0793538.77	N3623.711	W07935.646
	VERMS	N361935.63	W0793910.20	N3619.594	W07939.170
	WADAG	N361529.65	W0794241.26	N3615.476	W07942.688
	RW31	N362559.39	W0795037.44	N3625.990	W07950.624

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW31	00668		40

CITY AND STATE REIDSVILLE, NC	ELEVATION: 694 TDZE: 668	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: ROCKINGHAM COUNTY NC SHILOH			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 13, STANDARD.**

**RWY 31, 400 - 2 OR STANDARD WITH A MINIMUM CLIMB OF 535 FT PER NM TO 1200.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**RWY 13: TREES BEGINNING 40' FROM DER, 63' LEFT OF CENTERLINE, UP TO 100' AGL/768' MSL. POWER POLE 1192' FROM DER, 430' RIGHT OF CENTERLINE, 30' AGL/702' MSL. TREES BEGINNING 1539' FROM DER, 30' RIGHT OF CENTERLINE, UP TO 100' AGL/755' MSL.**

**RWY 31: POWER POLE 2054' FROM DER, 243' RIGHT OF CENTERLINE, 30' AGL/763 MSL. VEHICLE ON ROAD 31' FROM DER, 485' LEFT OF CENTERLINE, 15' AGL/714' MSL. TREES BEGINNING 1164' FROM DER, 187' RIGHT OF CENTERLINE, UP TO 100' AGL/1019' MSL. TREES BEGINNING 152' FROM DER, 317' LEFT OF CENTERLINE, UP TO 100' AGL/979' MSL. RISING TERRAIN BEGINNING 123' FROM DER, 27' LEFT OF CENTERLINE, UP TO 939' MSL. RISING TERRAIN BEGINNING 64' FROM DER, 27' RIGHT OF CENTERLINE, UP TO 939' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 31: 860 MSL TREE 362650.13N-0795147.78W, 979 MSL TREE 362716.07N-0795313.83W**

(5) City, State

REIDSVILLE, NC

(6) Airport

ROCKINGHAM COUNTY NC SHILOH

(7) Effective Date

22 OCT 2009

(8) Amdt No.

2



## 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 6, 24 STANDARD**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 6, TREES BEGINNING 229' FROM DER, 122' RIGHT OF CENTERLINE, UP TO 100' AGL/569' MSL. TREES BEGINNING 926' FROM DER, 322' LEFT OF CENTERLINE, UP TO 100' AGL/579' MSL. NOTE: RWY 24, TREES BEGINNING 776' FROM DER, 370' RIGHT OF CENTERLINE, UP TO 100' AGL/559' MSL. BUILDING 549' FROM DER, 395' LEFT OF CENTERLINE, 40' AGL/509' MSL. TREE 846' FROM DER, 471' LEFT OF CENTERLINE, 100' AGL/559' MSL.**

**(4) CONTROLLING OBSTACLES:**

QUALITY  
2  
CHECKED

(5) City, State

**POTSDAM, NY**

(6) Airport

**POTSDAM MUNI/DAMON FLD**

(7) Effective Date

**22 OCT 2009**

(8) Amdt. No.

**ORIG**

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>		<b>ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29</b>		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>ILS: DA</b> <b>LOC: 4.40 MILES AFTER WORIS INT OR AT ROC 0.93 DME FIX</b>  <b>CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 135 AND ROC VOR/DME R-096 TO BREIT LOM/INT/ROC 5.25 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000; OR WHEN DIRECTED BY ATC, CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4000 DIRECT GEE VOR/DME AND HOLD SE, LT, 333.46 INBOUND.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD E, RT, 276.33 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SE GEE VOR/DME, LT, 333.46 INBOUND. CHART FAS OBST: 631 TREE 430547N/0774151W CHART 1135 TOWER 431012N/0774022W. CHART IN PLANVIEW: GEE VOR/DME.											
GEE VOR/DME (IAF)	FEPUG INT/ROC 13.30 DME	331.07 / 7.34	2600												
FEPUG INT/ROC 13.30 DME (IF)	WORIS INT/ROC 5.31 DME	043.64 / 7.99 (I-MCU)	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 FEPUG 3. FAC: <u>043.64</u> FAF: <u>WORIS INT/ROC 5.31 DME</u> DIST FAF TO MAP: <u>4.40</u> THLD: <u>4.40</u> 4. MIN. ALT: <u>FEPUG 2600, WORIS 2000</u> 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>0.40</u> IM: <u>975</u> 150 HAT: <u>-</u> 100 HAT: <u>990</u> GS ANT: <u>1015</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>WORIS INT 2000</u> OM: <u>-</u> MM: <u>711</u> IM: <u>634</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.8</u> 8. MSA FROM: <u>ROC VOR/DME 090-270 3600, 270-090 2600</u>				MAG VAR: 12W                      EPOCH YEAR: 2010											
<b>MINIMUMS</b>															
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	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 4	735	1800	200	735	1800	200	735	1800	200	735	1800	200			
S-LOC 4	920	2400	385	920	2400	385	920	2400	385	920	4000	385			
CIRCLING	1060	1	501	1060	1	501	1060	1 1/2	501	1240	2 1/4	681			
NOTES: <b>CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 4: DA 635 MSL, 119 RA, RVR 1200, HAT 100; A,B,C,D.</b> CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GEE VOR/DME VIA AIRWAY RADIALS 287 CW 018.															
CITY AND STATE  ROCHESTER, NY		ELEVATION: 559    TDZE: 535 AIRPORT NAME:  GREATER ROCHESTER INTL		FACILITY IDENTIFIER: I-MCU		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 20 ILS RWY 4 (CAT II) 22 OCT 2009				SUP: AMDT: 19 DATED 01/15/2009					

QUALITY  
2  
CHECKED



## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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### **(1) TAKEOFF MINIMUMS:**

RWY 04, 22 STANDARD.

### **(2) TEXTUAL DEPARTURE PROCEDURE:**

### **(3) TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 22, HANGARS 243 FT FROM DER, 226 RIGHT OF CENTERLINE, 35 FT AGL/4212 FT MSL. VEHICLE ON ROAD 566 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 15 FT AGL/4192 FT MSL.

### **(4) CONTROLLING OBSTACLES:**

QUALITY  
CHECKED

(5) City, State

BOISE CITY, OK

(6) Airport

BOISE CITY

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

ORIG

**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 (Sectors and distances measured from radar antenna)												MISSED APPROACH
FROM	TO	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	MAP: 1 NM PRIOR TO THRESHOLD.
AS ESTABLISHED BY THE CURRENT COLUMBIA ASR MINIMUM VECTORING ALTITUDE CHART												CLIMBING LEFT TURN TO 2000 DIRECT CAE VORTAC AND HOLD SE, LT, 335.00 INBOUND.

**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	
ASR S-31	720	1 1/4	535	720	1 1/4	535	720	1 1/2	535	720	1 3/4	535				
CIRCLING		NA			NA			NA			NA					

**NOTES:**

**RWY 31: FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 1900, MINIMUM ALTITUDE 3.00 MILE FIX 1240. FINAL APPROACH COURSE 310.47. RECOMMENDED ALTITUDE: 4 MILES 1660, 3 MILES 1240, 2.00 MILES 900.**

**CHART NOTES: USE COLUMBIA METROPOLITAN ALTIMETER SETTING. VISIBILITY REDUCTION BY HELICOPTERS NA.**

**ADDITIONAL FLIGHT DATA**

TDZE: 185.3	RWY: 31	TDZE:	RWY:
TDZE:	RWY:	TDZE:	RWY:

**FAS OBST**  
**RW31 - 399' TREE 335818N/0805557W**

QUALITY  
CHECKED

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

MAG VAR: 5W EPOCH YEAR: 1985

CITY AND STATE	ELEVATION:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
COLUMBIA, SC	193	CAE ASR	22 OCT 2009	AMDT: 1
	JIM HAMILTON L.B. OWENS		RADAR-1, AMDT 2	DATED: 05/30/1991

**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 22 OCT 2009

QUALITY  
1  
CHECKED

CITY AND STATE BROWNFIELD, TX	ELEVATION: 3264 TDZE: 3256 AIRPORT NAME:  TERRY COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 2, AMDT 1A, 10/08/1998	SUP
				AMDT 1
				DATE 10/08/1998

# 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: RW02	
MANIC	AYULU (FB)			173.29 / 18.99	5000	CLIMB TO 5200 DIRECT ZAGDO AND VIA TRACK 092.98 TO SLIDE AND HOLD.	
WELCH	VIHCO (FB)			266.61 / 8.39	5000		
AYULU (IAF)	WOGFE (FB)			106.88 / 5.00	4900		
VIHCO (IAF)	WOGFE (FB)			286.98 / 5.00	4900		
WOGFE (IF)	FATYO (FB)			016.93 / 6.10	4900		
ADDITIONAL FLIGHT DATA: HOLD S, LT, 356.92 INBOUND. CHART FAS OBST: 3334 TREE 330818N/1021346W FATYO TO RW02: 3.04/43 CHART SEMINOLE AWOS-3.							
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT WOGFE 3. FAC: 016.96 FAF: FATYO DIST FAF TO MAP: 4.97 THLD: 4.97 4. MIN. ALT: WOGFE 4900, FATYO 4900 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: RW02 5200							
MAG VAR: 9E EPOCH YEAR: 1995							
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	3680 1 424	3680 1 424	3680 1 1/4 424	3680 1 1/4 424			
CIRCLING	3760 1 496	3760 1 496	3780 1 1/2 516	3920 2 656			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE SEMINOLE ALTIMETER SETTING. WHEN NOT RECEIVED, USE LUBBOCK ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MANIC VIA V102 NORTHEAST BOUND.							
CITY AND STATE  BROWNFIELD, TX		ELEVATION: 3264 TDZE: 3256 AIRPORT NAME:  TERRY COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 22 OCT 2009	
SUP: AMTD: 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 KBFEK4FR02	AMANIC	010MANICK4EA0E	IF							18000		B JS	
SUSAP KBFEK4FR02	AMANIC	020AYULUK4EA0E	A 020TF				17330190	+ 05000				B JS	
SUSAP KBFEK4FR02	AMANIC	030WOGFEK4EA0EE	010TF				10690050	+ 04900				B JS	
SUSAP KBFEK4FR02	AWELCH	010WELCHK4EA0E	IF							18000		B JS	
SUSAP KBFEK4FR02	AWELCH	020VIHCOK4EA0E	A 020TF				26660084	+ 05000				B JS	
SUSAP KBFEK4FR02	AWELCH	030WOGFEK4EA0EE	010TF				28700050	+ 04900				B JS	
SUSAP KBFEK4FR02	R	010WOGFEK4EA0E	I IF							18000		B JS	
SUSAP KBFEK4FR02	R	020FATYOK4EA1E	F 051TF				01690061	+ 04900			RW02	K4PGB JS	
SUSAP KBFEK4FR02	R	020FATYOK4EA2WN		N		ALNAV						JS	
SUSAP KBFEK4FR02	R	030RW02 K4PGOGY	M 031TF				01700050		03296		-304	B JS	
SUSAP KBFEK4FR02	R	040ZAGDOK4EA0E	M 010DF									B JS	
SUSAP KBFEK4FR02	R	050SLIDEK4EA0EY	010TF				0930	+ 05200				B JS	
SUSAP KBFEK4FR02	R	060SLIDEK4EA0EE	L020HM				35690050	+ 05200				B JS	

[illegible]

QUALITY  
1  
CHECKED

PAGE 2 OF 4 PAGES

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[illegible]

QUALITY  
CHECKED

CITY AND STATE  BROWNFIELD, TX	ELEVATION: 3264      TDZE: 3256	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 2, ORIG	AMDT:      NONE
	TERRY COUNTY		22 OCT 2009	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
	MANIC	MANIC	010		IF		FB				
	MANIC	AYULU	020	IAF	TF		FB	2.0	173.3 (182T)	019.0	05000
	MANIC	WOGFE	030		TF		FB	1.0	106.9 (116T)	005.0	04900
	WELCH	WELCH	010		IF		FB				
	WELCH	VIHCO	020	IAF	TF		FB	2.0	266.6 (276T)	008.4	05000
	WELCH	WOGFE	030		TF		FB	1.0	287.0 (296T)	005.0	04900
		WOGFE	010	PACF	IF		FB				04900
		FATYO	020	FAF	TF		FB	0.5	016.9 (026T)	006.1	04900
		RW02	030	MAP	TF		FO	0.3	017.0 (026T)	005.0	03296

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZAGDO	040		DF		FB	1.0			
	SLIDE	050		TF		FO	1.0	093.0 (102T)		05200
	SLIDE	060		HM	L	FO	2.0	356.9 (006T)	005.0	05200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AYULU	N330209.76	W1022255.94	N3302.163	W10222.932
	FATYO	N330528.33	W1021424.46	N3305.472	W10214.408
	MANIC	N332110.63	W1022201.77	N3321.177	W10222.030
	SLIDE	N331331.43	W1015936.15	N3313.524	W10159.603
	VIHCO	N325746.89	W1021214.34	N3257.782	W10212.239
	WELCH	N325658.00	W1020218.85	N3256.967	W10202.314
	WOGFE	N325958.44	W1021735.01	N3259.974	W10217.584
	ZAGDO	N331510.09	W1020847.37	N3315.168	W10208.790
	RW02	N330956.81	W1021149.05	N3309.947	W10211.818

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW02	03253 43

QUALITY  
1  
CHECKED

CITY AND STATE <b>BROWNFIELD, TX</b>	ELEVATION: 3264 TDZE: 3256	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG</b> <b>22 OCT 2009</b>	SUP:
	AIRPORT NAME: <b>TERRY COUNTY</b>			AMDT: <b>NONE</b>
	DATED:			

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
<b>TERMINAL ROUTES</b>								<b>MISSED APPROACH</b>							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW20							
MANIC		ROGDE (FB)		070.69 / 9.42		5100		CLIMBING LEFT TURN TO 5200 DIRECT SLIDE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, LT, 356.92 INBOUND. CHART FAS OBST: 3354 TREE 331100N/1021146W CHART 3384 TREE 331448N/1020856W. ZAGDO TO RW20: 3.04/41 CHART SEMINOLE AWOS-3.							
SLIDE		VISOIY (FB)		344.85 / 4.96		5100									
ROGDE (IAF)		LEBDE (FB)		106.98 / 5.00		5100									
VISOIY (IAF)		LEBDE (FB)		287.08 / 5.00		5100									
LEBDE (IF)		ZAGDO (FB)		197.03 / 6.10		4900									
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 LEBDE 3. FAC: <u>197.00</u> FAF: <u>ZAGDO</u> DIST FAF TO MAP: <u>4.94</u> THLD: <u>4.94</u> 4. MIN. ALT: <u>LEBDE 5100, ZAGDO 4900</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>RW20 5200</u>								MAG VAR: <u>9E</u> EPOCH YEAR: <u>1995</u>							
<b>MINIMUMS</b>															
TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: NA	<input checked="" type="checkbox"/>									
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	3700	1	436	3700	1	436	3700	1 1/4	436	3700	1 1/2	436			
CIRCLING	3760	1	496	3760	1	496	3780	1 1/2	516	3920	2	656			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE SEMINOLE ALTIMETER SETTING. WHEN NOT RECEIVED, USE LUBBOCK ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SLIDE VIA V76-81 SOUTHBOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 3264 TDZE: 3264		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BROWNFIELD, TX		AIRPORT NAME:				RNAV (GPS) RWY 20, ORIG				AMDT: NONE					
		TERRY COUNTY				22 OCT 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MANIC VIA V102 SOUTHWEST BOUND.

CITY AND STATE

BROWNFIELD, TX

ELEVATION: 3264 TDZE: 3264

AIRPORT NAME:

TERRY COUNTY

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, ORIG

22 OCT 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 KBFEK4FR20	AMANIC	010MANICK4EA0E	IF						18000			B JS	
SUSAP KBFEK4FR20	AMANIC	020ROGDEK4EA0E	A 020TF			07070094		+ 05100				B JS	
SUSAP KBFEK4FR20	AMANIC	030LEBDEK4EA0EE	010TF			10700050		+ 05100				B JS	
SUSAP KBFEK4FR20	ASLIDE	010SLIDEK4EA0E	IF						18000			B JS	
SUSAP KBFEK4FR20	ASLIDE	020VISQYK4EA0E	A 020TF			34490050		+ 05100				B JS	
SUSAP KBFEK4FR20	ASLIDE	030LEBDEK4EA0EE	010TF			28710050		+ 05100				B JS	
SUSAP KBFEK4FR20	R	010LEBDEK4EA0E	I IF					+ 05100	18000			B JS	
SUSAP KBFEK4FR20	R	020ZAGDOK4EA1E	F 051TF			19700061		+ 04900			RW20	K4PGB JS	
SUSAP KBFEK4FR20	R	020ZAGDOK4EA2WN		N		ALNAV						JS	
SUSAP KBFEK4FR20	R	030RW20 K4PG0GY	M 031TF			19700049		03305		-304		B JS	
SUSAP KBFEK4FR20	R	040SLIDEK4EA0EYM	L010DF					+ 05200				B JS	
SUSAP KBFEK4FR20	R	050SLIDEK4EA0EE	L020HM			35690050		+ 05200				B JS	

[illegible]

QUALITY  
CHECKED

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]

QUALITY  
CHECKED

CITY AND STATE  BROWNFIELD, TX	ELEVATION: 3264      TDZE: 3264  AIRPORT NAME:  TERRY COUNTY	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 20, ORIG  22 OCT 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
	MANIC	MANIC	010		IF		FB				
	MANIC	ROGDE	020	IAF	TF		FB	2.0	070.7 (080T)	009.4	05100
	MANIC	LEBDE	030		TF		FB	1.0	107.0 (116T)	005.0	05100
	SLIDE	SLIDE	010		IF		FB				
	SLIDE	VISOY	020	IAF	TF		FB	2.0	344.9 (354T)	005.0	05100
	SLIDE	LEBDE	030		TF		FB	1.0	287.1 (296T)	005.0	05100
		LEBDE	010	FACF	IF		FB				05100
		ZAGDO	020	FAF	TF		FB	0.5	197.0 (206T)	005.1	04900
		RW20	030	MAP	TF		FO	0.3	197.0 (206T)	004.9	03305

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SLIDE	040		DF	L	FO	1.0			05200
	SLIDE	050		HM	L	FO	2.0	356.9 (006T)	005.0	05200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LEBDE	N332039.66	W1020535.79	N3320.661	W10205.597
	MANIC	N332110.63	W1022201.77	N3321.177	W10222.030
	ROGDE	N332251.44	W1021057.71	N3322.857	W10210.962
	SLIDE	N331331.43	W1015936.15	N3313.524	W10159.603
	VISOY	N331827.64	W1020014.14	N3318.461	W10200.236
	ZAGDO	N331510.09	W1020847.37	N3315.168	W10208.790
	RW20	N331043.20	W1021122.17	N3310.720	W10211.370

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	03264	41

QUALITY  
CHECKED

CITY AND STATE  
BROWNFIELD, TX

ELEVATION: 3264 TDZE: 3264  
 AIRPORT NAME:  
 TERRY COUNTY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 20, ORIG  
 22 OCT 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 2, 13, 20, 31 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 2, AIRCRAFT ON TAXIWAY BEGINNING AT DER, 188' LEFT OF CENTERLINE, UP TO 17' AGL/3281' MSL. VEHICLE ON ROADWAY, 121' FROM DER, 519' RIGHT OF CENTERLINE, 15' AGL/3269' MSL. HANGAR 591' FROM DER, 333' LEFT OF CENTERLINE, 30' AGL/3289' MSL. TREE 950' FROM DER, 179' RIGHT OF CENTERLINE, 34' AGL/3299' MSL.**

**NOTE: RWY 13, VEHICLES ON ROADWAY BEGINNING 71' FROM DER, 61' LEFT OF CENTERLINE, UP TO 15' AGL/3269' MSL.**

**NOTE: RWY 20, TREE 2937' FROM DER, 1108' RIGHT OF CENTERLINE, 75' AGL/3329' MSL. (CONT'D)**

**(4) CONTROLLING OBSTACLES:**

(5) City, State

**BROWNFIELD, TX**

(6) Airport

**TERRY COUNTY**

(7) Effective Date

**22 OCT 2009**

(8) Amdt. No.

**ORIG**

QUALITY  
&  
CLERICAL

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: (CONT'D)**

NOTE: RWY 31, VEHICLES ON ROADWAY BEGINNING AT DER, 198' LEFT OF CENTERLINE, UP TO 15' AGL/3284' MSL. AIRCRAFT ON TAXIWAY BEGINNING AT DER, 253' RIGHT OF CENTERLINE, UP TO 17' AGL/3281' MSL. VEHICLES ON ROADWAY BEGINNING 299' FROM DER, 14' RIGHT OF CENTERLINE UP TO 15' AGL/3284' MSL. HANGAR 572' FROM DER, 597' RIGHT OF CENTERLINE, 30' AGL/3299' MSL. TREE 1832' FROM DER, 233' RIGHT OF CENTERLINE, 75' AGL/3344' MSL.

City, State <b>BROWNFIELD, TX</b>		Airport <b>TERRY COUNTY</b>			Effective Date <b>22 OCT 2009</b>	Amdt. No. <b>ORIG</b>
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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CRP VORTAC	CEVUS INT/I-CRP 6.39 DME/RADAR	231.55 / 8.17	2100	ILS: DA LOC: 4.48 MILES AFTER CEVUS INT/CRP 6.39 DME/RADAR OR AT HALVU/I-CRP 1.91 DME FIX  CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 VIA HEADING 130.00 AND CRP R-169 TO POGOE INT/CRP 16.00 DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, LT, 349.18 INBOUND. CHART FAS OBST: 76 POLE 274654N/0973057W CHART VDP AT 2.62 DME; DISTANCE VDP TO THLD 1.21 MILES. CHART AIRPORT ELEV 44.
ATHIS INT/I-CRP 26.19 DME (IAF)	JAGRU INT/I-CRP 12.41 DME (NOPT)	128.81 / 13.78 (I-CRP)	1700	
JAGRU INT/I-CRP 12.41 DME (IF)	CEVUS INT/I-CRP 6.39 DME/RADAR	128.81 / 6.02 (I-CRP)	1700	

- PT L SIDE OF COURSE 308.81 OUTBOUND 2100 FT WITHIN 15 MILES OF CEVUS (IAF)
- 
- FAC: 128.81 FAF: CEVUS INT/I-CRP 6.39 DME/RADAR DIST FAF TO MAP: 4.48 THLD: 4.98
- MIN. ALT: CEVUS 1700, DOMIW INT/I-CRP 3.41 DME 720\*\*
- DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 989
- MIN GS INCPT: 1700 GS ALT AT: CEVUS INT/I-CRP 6.39 DME/RADAR CONT. OM: - MM: - IM: -
- GS ANGLE: 3.00 TCH: 51.0
- MSA FROM: CRP VORTAC 2100

MAG VAR: 7E

EPOCH YEAR: 1985

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 13		* 243	2400	200	* 243	2400	200	* 243	2400	200	* 243	2400	200	* 243	2400	200
S-LOC 13		480	2400	437	480	2400	437	480	4000	437	480	5000	437	480	5000	437
CIRCLING		500	1	456	520	1	476	580	1 1/2	536	740	2 1/4	696	860	3	816

NOTES:

CHART NOTE: \*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

\*\*LOC ONLY.

CHART PROFILE NOTE: USE I-CRP DME WHEN ON THE LOCALIZER COURSE.

CHART NOTE: FOR INOPERATIVE MALSIR INCREASE S-ILS CAT E VISIBILITY 1/4 MILE AND S-LOC CAT E

VISIBILITY 1/2 MILE.

# CAT D 700-2 1/4, CAT E 900-3  
@ CAT D 800-2 1/4, CAT E 900-3

CITY AND STATE	ELEVATION: 44 TDZE: 43	FACILITY IDENTIFIER: I-CRP	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 27 22 OCT 2009	SUP:
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL			AMDT: 26C
				DATED 04/10/2008

## ILS - STANDARD

## INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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LINE 6 GS ALT AT CONT. 1700



CITY AND STATE

CORPUS CHRISTI, TX

ELEVATION: 44 TDZE: 43

AIRPORT NAME:

CORPUS CHRISTI INTL

FACILITY  
IDENTIFIER:  
I-CRP

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 13, AMDT 27

22 OCT 2009

SUP:

AMDT: 26C

DATED: 04/10/2008



<b>ILS - STANDARD</b> <b>INSTRUMENT APPROACH PROCEDURE</b> <b>FAR PART 97.29</b>				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>ILS: DA</b> <b>LOC: 5.38 MILES AFTER OSSOE INT/OYC 7.06 DME/RADAR OR AT TENUH/I-OYC 1.68 DME FIX</b>  <b>CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 VIA HEADING 335 AND CRP R-287 TO ATHIS INT/CRP 23.26 DME AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD W, RT, 106.98 INBOUND. CHART FAS OBST: 65 ANT ON OL DME 274535N/0972944W CHART 90 TOWER 274330N/0972938W. CHART NALF CABANISS AIRPORT. CHART CUDDIHY (PRIVATE) AIRPORT. CHART AIRPORT ELEV 44. CHART (CELUC) AT INTERSECTION OF JETTY DR LEG AND INTERMEDIATE COURSE. CHART (HASAB) AT INTERSECTION OF SOLON DR LEG AND INTERMEDIATE COURSE.				
SOLON INT (IAF)	CIMTI INT/I-OYC 13.06 DME	307.11 / 4.69 (HDG) & 352.11 / 4.42 (I-OYC)	2000					
JETTY INT (IAF)	CIMTI INT/I-OYC 13.06 DME	052.00 / 3.65 (HDG) & 352.11 / 2.17 (I-OYC)	2000					
CIMTI INT/I-OYC 13.06 DME (IF)	OSSOE INT/I-OYC 7.06 DME/RADAR	352.11 / 6.00 (I-OYC)	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 CIMTI 3. FAC: <u>352.11</u> FAF: <u>OSSOE INT/I-OYC 7.06 DME/RADAR</u> DIST FAF TO MAP: <u>5.38</u> THLD: <u>5.88</u> 4. MIN. ALT: <u>CIMTI 2000, OSSOE 2000, ALKOJ INT/I-OYC 3.18 DME 720*</u> 5. DIST TO THLD FROM OM: <u>          </u> MM: <u>          </u> IM: <u>          </u> 150 HAT: <u>          </u> 100 HAT: <u>          </u> GS ANT: <u>1080</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>OSSOE INT/I-OYC 7.06 DME/RADAR CONT.</u> OM: <u>          </u> MM: <u>          </u> IM: <u>          </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.1</u> 8. MSA FROM: <u>CRP VORTAC 2100</u>				MAG VAR: 7E EPOCH YEAR: 1985				
<b>MINIMUMS</b>								
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @		
CATEGORY ==>	A		B		C		D	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 35	240	2400	200	240	2400	200	240	2400
S-LOC 35	380	2400	340	380	2400	340	380	2400
CIRCLING	500	1	456	520	1	476	580	1 1/2
NOTES: *LOC ONLY CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 35 CAT E VISIBILITY TO RVR 4000 AND S-LOC 35 CAT D VISIBILITY TO RVR 5000, CAT E TO RVR 6000. CHART PROFILE NOTE: USE I-OYC DME WHEN ON THE LOCALIZER COURSE. SEE 8260-10								
CITY AND STATE			ELEVATION: 44 TDZE: 40		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
CORPUS CHRISTI, TX			AIRPORT NAME:		I-OYC		ILS OR LOC RWY 35, AMDT 12	
			CORPUS CHRISTI INTL				22 OCT 2009	
							SUP: ILS RWY 35	
							AMDT: 11A	
							DATED 03/06/2002	

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: ILS UNUSABLE INSIDE DA. LOC UNUSABLE FROM I-OYC 1.6 DME INBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOLON VIA V13-20-163 SOUTHBOUND AND ARRIVALS AT JETTY VIA V70-407 SOUTHBOUND.



CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 40 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: I-OYC	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 35, AMDT 12 22 OCT 2009	SUP: ILS RWY 35
				AMDT: 11A
				DATED: 03/06/2002

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	LPV: DA LNAV/VNAV: DA LNAV: RW13
ATHIS (IAF)	JAGRU (FB)	128.64 / 13.78	1700	CLIMB TO 2000 DIRECT KIBLE AND VIA TRACK 153.29 TO POGOE AND HOLD.
JAGRU (IF)	CEVUS (FB)	128.74 / 6.02	1700	
				ADDITIONAL FLIGHT DATA: HOLD S, LT, 351.18 INBOUND. CHART FAS OBST: 164 TOWER 274703N/0973040W CHART FAS OBST: 370 TOWER 274852N/0973135W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. WAAS CHANNEL # 97515 REFERENCE PATH ID: W13A CHART: NALF CABANISS AIRPORT. CHART: CUDDIHY (PRIVATE) AIRPORT.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT JAGRU
- FAC: 128.78 FAF: CEVUS DIST FAF TO MAP: 4.98 THLD: 4.98
- MIN. ALT: JAGRU 1700, CEVUS 1700, DOMIW/2.00 NM TO RW13 720\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 1700 GS ALT AT: CEVUS OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 51.0 34:1 IS CLEAR
- MSA FROM: RW13 2100

MAG VAR: 7E 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		243	2400	200	243	2400	200	243	2400	200	243	2400	200	243	2400	200
LNAV/VNAV DA		480	5000	437	480	5000	437	480	5000	437	480	5000	437	480	5000	437
LNAV MDA		660	2400	617	660	2400	617	660	6000	617	660	1 1/2	617	660	1 3/4	617
CIRCLING		660	1	616	660	1	616	660	1 3/4	616	740	2 1/4	696	860	3	816

NOTES:  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/4, CAT E 900-3  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATHIS VIA V568 WESTBOUND.  
\*LNAV ONLY  
SEE 8260-10

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 22 OCT 2009	SUP: AMDT: ORIG DATED 07/10/2003
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E VISIBILITY 1/4 MILE, LNAV/VNAV AND LNAV CAT E VISIBILITY 1/2 MILE.**

QUALITY  
9  
CHECK

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

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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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	274637.2000N
LTP/FTP LONGITUDE	0973048.2000W
LTP/FTP ELLIPSOIDAL HEIGHT	-00135
FPAP LATITUDE	274543.3600N
FPAP LONGITUDE	0972949.3700W
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	0024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER B4F0F29C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00130
FPAP ORTHOMETRIC HEIGHT	+00130

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCRPK4FR13	AATHIS	010ATHISK4EA0E	A	IF						18000		A JS	
SUSAP KCRPK4FR13	AATHIS	020JAGRUK4EA0EE		010TF			12860138	+	01700			A JS	
SUSAP KCRPK4FR13	R	010JAGRUK4EA0E	I	IF				+	01700	18000		A JS	
SUSAP KCRPK4FR13	R	020CEVUSK4EA1E	F	051TF			12870060	+	01700		RW13	K4PGA JS	
SUSAP KCRPK4FR13	R	020CEVUSK4EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KCRPK4FR13	R	021DOMIWK4EA0E	S	031TF			12880030	V	0072000734		-300	A JS	
SUSAP KCRPK4FR13	R	030RW13	K4PGOGY	M	031TF		12880020		00094		-300	A JS	
SUSAP KCRPK4FR13	R	040KIBLEK4EA0E	M	010DF								A JS	
SUSAP KCRPK4FR13	R	050POGOEK4EA0EY		010TF			1533	+	02000			A JS	
SUSAP KCRPK4FR13	R	060POGOEK4EA0EE		L020HM			35120060	+	02000			A JS	

[illegible][illegible]

QUALITY  
CHECKED

DATED: 07/10/2003

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[illegible]

**PAGE 5 OF 6 PAGES**

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ATHIS	ATHIS	010	IAF	IF		FB				
	ATHIS	JAGRU	020		TF		FB	1.0	128.6 (136T)	013.8	01700
		JAGRU	010	FACF	IF		FB				01700
		CEVUS	020	FAF	TF		FB	0.5	128.7 (136T)	006.0	01700
		DOMIW	021	SDF	TF		FB	0.3	128.8 (136T)	003.0	0072000734
		RW13	030	MAP	TF		FO	0.3	128.8 (136T)	002.0	00094

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KIBLE	040		DF		FB	1.0			
	POGOE	050		TF		FO	1.0	153.3 (160T)		02000
	POGOE	060		HM	L	FO	2.0	351.2 (358T)	006.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATHIS	N280424.46	W0975019.74	N2804.408	W09750.329
	CEVUS	N275011.78	W0973442.91	N2750.196	W09734.715
	DOMIW	N274803.47	W0973222.52	N2748.058	W09732.375
	JAGRU	N275431.46	W0973927.48	N2754.524	W09739.458
	KIBLE	N274445.08	W0972845.58	N2744.751	W09728.760
	POGOE	N273811.41	W0972607.22	N2738.190	W09726.120
	RW13	N274637.20	W0973048.20	N2746.620	W09730.803

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00043	51

QUALITY  
1  
CHECKED

CITY AND STATE  
CORPUS CHRISTI, TX

ELEVATION: 44 TDZE: 43  
 AIRPORT NAME:  
 CORPUS CHRISTI INTL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 13, AMDT 1  
 22 OCT 2009

SUP:  
 AMDT: ORIG  
 DATED: 07/10/2003



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	<b>RNAV: RW17</b>  <b>CLIMB TO 5000 DIRECT ASACI AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD S, RT, 352.36 INBOUND.</b> <b>CHART FAS OBST: 3299 TREE 340218N/1012035W</b> <b>3527 AAO 340439N/1012051W.</b> <b>CHART 3388 TOWER 340323N/1011922W.</b> <b>COSAG TO RW17: 3.04/40.</b>
SHOES	BIGPE (FB)	013.51 / 22.41	5300	
PVW VOR/DME	BIGPE (FB)	063.62 / 18.83	5000	
EXONE	CESUM (FB)	261.84 / 26.23	5000	
BIGPE (IAF)	ANERY (FB)	082.30 / 5.00	5000	
CESUM (IAF)	ANERY (FB)	262.42 / 5.00	5000	
ANERY (IF)	COSAG (FB)	172.36 / 6.10	4800	

1. PT NA SIDE OF COURSE OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT ANERY
3. FAC: 172.36 FAF: COSAG DIST FAF TO MAP: 4.87 THLD: 4.87
4. MIN. ALT: ANERY 5000, COSAG 4800, EHOVI/2.80 NM TO RW17 4120
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 5300

MAG VAR: 7E

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	3720	1	533	3720	1	533	3720	1 1/2	533		NA				
CIRCLING	3840	1	653	3840	1	653	3920	2	733		NA				

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PVW VOR/DME VIA V278 WESTBOUND.  
CHART NOTE: USE PLAINVIEW ALTIMETER SETTING; WHEN NOT RECEIVED, USE LUBBOCK ALTIMETER SETTING.

CITY AND STATE <b>FLOYDADA, TX</b>	ELEVATION: 3187 TDZE: 3187 AIRPORT NAME: <b>FLOYDADA MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, ORIG</b> <b>22 OCT 2009</b>	SUP: AMDT: <b>NONE</b> DATED
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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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP K41FK4FR17	AEXONE	010EXONEK4EA0E	IF						18000			B JS	
SUSAP K41FK4FR17	AEXONE	020CESUMK4EA0E	A 020TF			26180262		+ 05000				B JS	
SUSAP K41FK4FR17	AEXONE	030ANERYK4EA0EE	010TF			26240050		+ 05000				B JS	
SUSAP K41FK4FR17	APVW	010PVW K4D 0V	IF						18000			B JS	
SUSAP K41FK4FR17	APVW	020BIGPEK4EA0E	A 020TF			06360188		+ 05000				B JS	
SUSAP K41FK4FR17	APVW	030ANERYK4EA0EE	010TF			08230050		+ 05000				B JS	
SUSAP K41FK4FR17	ASHOES	010SHOESK4EA0E	IF						18000			B JS	
SUSAP K41FK4FR17	ASHOES	020BIGPEK4EA0E	A 020TF			01350224		+ 05300				B JS	
SUSAP K41FK4FR17	ASHOES	030ANERYK4EA0EE	010TF			08230050		+ 05000				B JS	
SUSAP K41FK4FR17	R	010ANERYK4EA0E	I IF					+ 05000	18000			B JS	
SUSAP K41FK4FR17	R	020COSAGK4EA1E	F 051TF			17240061		+ 04800			RW17 K4PGB	JS	
SUSAP K41FK4FR17	R	020COSAGK4EA2WN		N		ALNAV						JS	
SUSAP K41FK4FR17	R	021EHOVIK4EA0E	3 031TF			17240021		V 0412004138		-304		B JS	
SUSAP K41FK4FR17	R	030RW17 K4PGOGY	M 031TF			17240028		03227		-304		B JS	

CITY AND STATE  FLOYDADA, TX	ELEVATION: 3187 TDZE: 3187 AIRPORT NAME:  FLOYDADA MUNI	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 17, ORIG 22 OCT 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.

SUSAP K41FK4FR17 R 040ASACIK4EA0EYM 010DF + 05000 B JS  
SUSAP K41FK4FR17 R 050ASACIK4EA0EE HR020HM 35240050 + 05000 B JS

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

SUSAP K41FK4GRW17 0046001724 N34002823W101194921+0000 +0944803187000040060R

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

SUSAP K41FK4SRW17 K4PG 0 18018005325 M

CITY AND STATE

FLOYDADA, TX

ELEVATION: 3187 TDZE: 3187

AIRPORT NAME:

FLOYDADA MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

22 OCT 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
	EXONE	EXONE	010		IF		FB				
	EXONE	CESUM	020	IAF	TF		FB	2.0	261.8 (269T)	026.2	05000
	EXONE	ANERY	030		TF		FB	1.0	262.4 (269T)	005.0	05000
	PVW	PVW	010		IF		FB				
	PVW	BIGPE	020	IAF	TF		FB	2.0	063.6 (071T)	018.8	05000
	PVW	ANERY	030		TF		FB	1.0	082.3 (089T)	005.0	05000
	SHOES	SHOES	010		IF		FB				
	SHOES	BIGPE	020	IAF	TF		FB	2.0	013.5 (021T)	022.4	05300
	SHOES	ANERY	030		TF		FB	1.0	082.3 (089T)	005.0	05000
		ANERY	010	FACF	IF		FB				05000
		COSAG	020	FAF	TF		FB	0.5	172.4 (179T)	006.1	04800
		EHOVI	021	SDF	TF		FB	0.3	172.4 (179T)	002.1	0412004138
		RW17	030	MAP	TF		FO	0.3	172.4 (179T)	002.8	03227

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	ASACI	040		DF		FO	1.0			05000
	ASACI	050		HM	R	FO	2.0	352.4 (359T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PVW	N340510.29	W1014724.67	N3405.172	W10147.411
	ANERY	N341127.55	W1011958.07	N3411.459	W10119.968
	ASACI	N334842.79	W1011939.77	N3348.713	W10119.663
	BIGPE	N341124.05	W1012559.69	N3411.401	W10125.995
	CESUM	N341130.76	W1011356.44	N3411.513	W10113.941
	COSAG	N340521.10	W1011953.14	N3405.352	W10119.886
	EHOVI	N340316.52	W1011951.47	N3403.275	W10119.858
	EXONE	N341206.81	W1004219.84	N3412.114	W10042.331
	SHOES	N335022.69	W1013527.59	N3350.378	W10135.460
	RW17	N340028.23	W1011949.21	N3400.471	W10119.820

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17	03187		40

CITY AND STATE FLOYDADA, TX	ELEVATION: 3187 TDZE: 3187	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: FLOYDADA MUNI			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	
SHOES	FIKUR (FB)	094.86 / 8.34	5000	LNAV: RW35  CLIMBING LEFT TURN TO 5000 DIRECT ASACI AND HOLD.  ADDITIONAL FLIGHT DATA: CHART FAS OBST: 3479 TOWER 335822N/1012043W CINAV TO RW35: 3.04/39.
FLOYD	ASACI (FO)	191.98 / 10.40	5000	
FIKUR (IAF)	ASACI (NOPT) (FB)	082.30 / 5.00	5000	
ASACI (IF/IAF)	CINAV (FB)	352.36 / 6.10	4800	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD S ASACI, RT, 352.36 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
- FAC: 352.36 FAF: CINAV        DIST FAF TO MAP: 4.88 THLD: 4.88
- MIN. ALT: ASACI 5000, CINAV 4800
- 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 5300

MAG VAR: 7E EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	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	3840	1	653	3840	1	653	3840	1 3/4	653		NA					
CIRCLING	3840	1	653	3840	1	653	3920	2	733		NA					

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
CHART NOTE: USE PLAINVIEW ALTIMETER SETTING; WHEN NOT RECEIVED, USE LUBBOCK ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET, INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE FLOYDADA, TX	ELEVATION: 3187 TDZE: 3187 AIRPORT NAME: FLOYDADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED
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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][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
	FLOYD	FLOYD	010		IF		FB				
	FLOYD	ASACI	020		TF		FO	2.0	192.0 (199T)	010.4	05000
	FLOYD	ASACI	030		HF	R	FO		352.4 (359T)	005.0	05000
	SHOES	SHOES	010		IF		FB				
	SHOES	FIKUR	020	IAF	TF		FB	2.0	094.9 (102T)	008.3	05000
	SHOES	ASACI	030		TF		FB	1.0	082.3 (089T)	005.0	05000
		ASACI	010	FACF	IF		FB				05000
		CINAV	020	FAF	TF		FB	0.5	352.4 (359T)	006.1	04800
		RW35	030	MAP	TF		FO	0.3	352.4 (359T)	004.9	03224

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ASACI	040		DF	L	FO	1.0			05000
	ASACI	050		HM	R	FO	2.0	352.4 (359T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ASACI	N334842.79	W1011939.77	N3348.713	W10119.663
	CINAV	N335449.26	W1011944.67	N3354.821	W10119.745
	FIKUR	N334839.29	W1012539.79	N3348.655	W10125.663
	FLOYD	N335834.19	W1011536.06	N3358.570	W10115.601
	SHOES	N335022.69	W1013527.59	N3350.378	W10135.460
	RW35	N335942.73	W1011948.60	N3359.712	W10119.810

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW35	03185	39

CITY AND STATE  
FLOYDADA, TX

ELEVATION: 3187 TDZE: 3187  
 AIRPORT NAME:  
 FLOYDADA MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 35, ORIG  
 22 OCT 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.

CITY AND STATE FLOYDADA, TX	ELEVATION: 3187    TDZE: 3187 AIRPORT NAME: FLOYDADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 22 OCT 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:**

**(3) TAKEOFF OBSTACLE NOTES:** NOTE: RWY 17, SILO 3320 FT FROM DER, 355 FT RIGHT OF CENTERLINE, 149 FT AGL/3329 FT MSL. BUILDING 3648 FT FROM DER, 248 FT RIGHT OF CENTERLINE, 108 AGL/3289 MSL. NOTE: RWY 35, ROAD AND VEHICLE BEGINNING 525 FT FROM DER, 19 FT LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/3202 FT MSL.

**(4) CONTROLLING OBSTACLES:**

(5) City, State

**FLOYDADA, TX**

(6) Airport

**FLOYDADA MUNI**

(7) Effective Date

**22 OCT 2009**

(8) Amdt. No.

**ORIG**

QUALITY  
2  
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 15, 33 STANDARD**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:** NOTE: RWY 15, VEHICLES ON ROADWAY BEGINNING ABEAM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15' AGL/124' MSL. BUILDING 177' FROM DER, 398' LEFT OF CENTERLINE, 18' AGL/126' MSL. TREES BEGINNING 178' FROM DER, 289' RIGHT OF CENTERLINE, UP TO 100' AGL/209' MSL.  
NOTE: RWY 33, BUILDING 265' FROM DER, 364' LEFT OF CENTERLINE, 33' AGL/143' MSL. TREES BEGINNING 2706' FROM DER, 700' LEFT OF CENTERLINE, UP TO 100' AGL/214' MSL. TREES BEGINNING 3159' FROM DER, 747' RIGHT OF CENTERLINE, UP TO 100' AGL/216' MSL.

**(4) CONTROLLING OBSTACLES:**

(5) City, State

HOUSTON, TX

(6) Airport

WEST HOUSTON

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

3

QUALITY  
CHECKED

## 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 AIRPORTALTERNATE: N A ☐

CATEGORY =====&gt;

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 22 OCT 2009

CITY AND STATE

ORANGE, TX

ELEVATION: 13

TDZE:

AIRPORT NAME:

ORANGE COUNTY

FACILITY

IDENTIFIER:

ORG

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB OR GPS-A, AMDT 1, 04/04/1991

SUP

AMDT

ORIG

DATE

11 APR 85

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									
WLYMS (IAF)	WARES (FB)	130.21 / 5.00	2000	LPV: DA LNAV/VNAV: DA LNAV: RW22  CLIMB TO 2000 DIRECT KEDKY AND LEFT TURN VIA TRACK 116.12 TO POPEY AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 296.24 INBOUND. CHART FAS OBST: 298 TOWER 300525N/0934714W DISTANCE TO THLD FROM 316 HAT: 0.85 NM. CHART VDP AT 1.78 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 56614 REFERENCE PATH ID: W22A								
SAHAJ (IAF)	WARES (FB)	310.29 / 5.00	2000									
WARES (IF)	IBCED (FB)	220.25 / 6.04	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 <u>WARES</u> 3. FAC: <u>220.21</u> FAF: <u>IBCED</u> DIST FAF TO MAP: <u>6.00</u> THLD: <u>6.00</u> 4. MIN. ALT: <u>WARES 2000, IBCED 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>IBCED</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>RW22 2400</u>				MAG VAR: 2E 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	329	1	316	329	1	316	329	1	316	NA		
LNAV/VNAV DA	674	2 1/4	661	674	2 1/4	661	674	2 1/4	661	NA		
LNAV MDA	600	1	587	600	1	587	600	1 1/2	587	NA		
CIRCLING	660	1	647	660	1	647	660	1 3/4	647	NA		
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: RADAR REQUIRED SEE 8260-10												
CITY AND STATE		ELEVATION: 13 TDZE: 13		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
ORANGE, TX		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 22, ORIG		AMDT: NONE				
		ORANGE COUNTY				22 OCT 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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTHEAST TEXAS RGNL ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY****1/4 MILE, AND LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.****CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SOUTHEAST TEXAS RGNL ALTIMETER SETTING.****CHART NOTE: CIRCLING NA TO RWY 13/31.**

CITY AND STATE <b>ORANGE, TX</b>	ELEVATION: 13 TDZE: 13 AIRPORT NAME: <b>ORANGE COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 22, ORIG</b> <b>22 OCT 2009</b>	SUP:
				AMDT: <b>NONE</b>
				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 INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORG
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	300425.1570N
LTP/FTP LONGITUDE	0934746.4855W
LTP/FTP ELLIPSOIDAL HEIGHT	-00234
FPAP LATITUDE	300318.9600N
FPAP LONGITUDE	0934855.4200W
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

1B547255

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00040
FPAP ORTHOMETRIC HEIGHT	+00040

CITY AND STATE ORANGE, TX	ELEVATION: 13 TDZE: 13 AIRPORT NAME: ORANGE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 22 OCT 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 KORGK4FR22	ASAH	010	ASAH	JK4EA0E	A	IF				18000		A	JS
SUSAP KORGK4FR22	ASAH	020	WARE	SK4EA0EE	010	TF	31030050	+	02000			A	JS
SUSAP KORGK4FR22	AWLY	010	WLYM	SK4EA0E	A	IF				18000		A	JS
SUSAP KORGK4FR22	AWLY	020	WARE	SK4EA0EE	010	TF	13020050	+	02000			A	JS
SUSAP KORGK4FR22	R	010	WARE	SK4EA0E	I	IF		+	02000	18000		A	JS
SUSAP KORGK4FR22	R	020	IBCE	DK4EA1E	F	051TF	22030060	+	02000		RW22	K4PGA	JS
SUSAP KORGK4FR22	R	020	IBCE	DK4EA2W	ALPV	ALNAV/VNAV	ALNAV						JS
SUSAP KORGK4FR22	R	030	RW22	K4PG	OGY	M 031TF	22020060		00058	-300		A	JS
SUSAP KORGK4FR22	R	040	KEDK	YK4EA0E	M	010DF						A	JS
SUSAP KORGK4FR22	R	050	POPE	YK4EA0EY	L	010TFY	1161	+	02000			A	JS
SUSAP KORGK4FR22	R	060	POPE	YK4EA0EE	R	020HM	29620040	+	02000			A	JS

[illegible][illegible]

QUALITY  
CHECKED

CITY AND STATE  ORANGE, TX	ELEVATION: 13      TDZE: 13  AIRPORT NAME:  ORANGE COUNTY	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
			RNAV (GPS) RWY 22, ORIG	AMDT:      NONE
			22 OCT 2009	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:

**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
	SAHAJ	SAHAJ	010	IAF	IF		FB				
	SAHAJ	WARES	020		TF		FB	1.0	310.3 (312T)	005.0	02000
	WLYMS	WLYMS	010	IAF	IF		FB				
	WLYMS	WARES	020		TF		FB	1.0	130.2 (132T)	005.0	02000
		WARES	010	FACF	IF		FB				02000
		IBCED	020	FAF	TF		FB	0.5	220.3 (222T)	006.0	02000
		RW22	030	MAP	TF		FO	0.3	220.2 (222T)	006.0	00058

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	KEDKY	040		DF		FB	1.0			
	POPEY	050		TF	L	FO	1.0	116.1 (118T)		02000
	POPEY	060		HM	R	FO	2.0	296.2 (298T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IBCED	N300852.44	W0934307.84	N3008.874	W09343.131
	KEDKY	N300019.84	W0935201.75	N3000.331	W09352.029
	POPEY	N295327.72	W0933718.57	N2953.462	W09337.310
	SAHAJ	N300959.26	W0933410.54	N3009.988	W09334.176
	WARES	N301321.52	W0933826.71	N3013.359	W09338.445
	WLYMS	N301643.64	W0934243.18	N3016.727	W09342.720
	RW22	N300425.16	W0934746.49	N3004.419	W09347.775

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW22	00013	45

QUALITY  
1  
CHECKED

CITY AND STATE  ORANGE, TX	ELEVATION: 13 TDZE: 13	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 22, ORIG  22 OCT 2009	SUP:
	AIRPORT NAME:  ORANGE COUNTY			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 13/31, NA - ENVIRONMENTAL

RWY 22, STANDARD

RWY 4, 400-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 425 FEET PER NM TO 500

### (2) TEXTUAL DEPARTURE PROCEDURE:

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREES BEGINNING 893' FROM DER, 513' RIGHT OF CENTERLINE, UP TO 30' AGL/87' MSL. TREES BEGINNING 1856' FROM DER, 550' LEFT OF CENTERLINE, UP TO 30' AGL/66' MSL. TRANSMISSION POLES BEGINNING 2518' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 73' AGL/83' MSL. TOWER 6401' FROM DER, 1900' LEFT OF CENTERLINE, 283' AGL/298' MSL.

NOTE: RWY 22, TREES BEGINNING AT DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30' AGL/39' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 4: 298 MSL TOWER 300524.75N-0934713.60W.

(5) City, State

ORANGE, TX

(6) Airport

ORANGE COUNTY

(7) Effective Date  
22 OCT 2009

(8) Amdt. No.  
ORIG



<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>		<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>												
FROM	TO	COURSE AND DISTANCE	ALTITUDE	<b>LNAV: RW15</b>  <b>CLIMB TO 2000 DIRECT XETTY AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD SE, RT, 335.47 INBOUND. CHART FAS OBST: 229 TREE 364247N/0773059W RUSHS TO RW15: 3.04/31												
WAKS	VASPY (FB)	256.87 / 24.23	2000													
LVL VORTAC	CITAD (FB)	107.81 / 9.76	2000													
VASPY (IAF)	EYUGO (FB)	245.36 / 5.00	2000													
CITAD (IAF)	EYUGO (FB)	065.26 / 5.00	2000													
EYUGO (IF)	POCAB (FB)	155.31 / 3.98	1800													
POCAB	RUSHS (FB)	155.34 / 2.22	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 EYUGO 3. FAC: <u>155.36</u> FAF: RUSHS <u>      </u> DIST FAF TO MAP: <u>4.78</u> THLD: <u>4.78</u> 4. MIN. ALT: <u>EYUGO 2000, POCAB 1800, RUSHS 1700, JFRSN/2.40 NM TO RW15 920</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</u> IS NOT CLEAR 8. MSA FROM: <u>RW15 1900</u>																
				MAG VAR: 10W EPOCH YEAR: 2000												
<b>MINIMUMS</b>																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	@											
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	
LNAV MDA	480	1	353	480	1	353		NA			NA					
CIRCLING	560	1	433	580	1	453		NA			NA					
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AHOSKIE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LVL VORTAC AIRWAY RADIALS 059 CW 106.																
CITY AND STATE		ELEVATION: 127 TDZE: 127		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
EMPORIA, VA		AIRPORT NAME: EMPORIA-GREENSVILLE REGIONAL				RNAV (GPS) RWY 15, ORIG 22 OCT 2009				AMDT: NONE						
										DATED						

QUALITY  
3  
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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KEMVK6FR15	ALVL	010LVL	K6D	OV	IF					18000		B	JS
SUSAP KEMVK6FR15	ALVL	020CITADK6EA0E	A	020TF			10780098	+	02000			B	JS
SUSAP KEMVK6FR15	ALVL	030EYUGOK6EA0EE		010TF			06530050	+	02000			B	JS
SUSAP KEMVK6FR15	AWA	010WAIKSK6EA0E		IF						18000		B	JS
SUSAP KEMVK6FR15	AWA	020VASPYK6EA0E	A	020TF			25690242	+	02000			B	JS
SUSAP KEMVK6FR15	AWA	030EYUGOK6EA0EE		010TF			24540050	+	02000			B	JS
SUSAP KEMVK6FR15	R	010EYUGOK6EA0E	I	IF				+	02000	18000		B	JS
SUSAP KEMVK6FR15	R	011POCABK6EA0E	S	051TF			15530040	+	01800			B	JS
SUSAP KEMVK6FR15	R	020RUSHSK6EA1E	F	051TF			15530022	+	01700		RW15	K6PGB	JS
SUSAP KEMVK6FR15	R	020RUSHSK6EA2WN			N	ALNAV							JS
SUSAP KEMVK6FR15	R	021JFRSNK6EA0E	S	031TF			15540024	V	0092000928	-304		B	JS
SUSAP KEMVK6FR15	R	030RW15	K6PG0GY	M	031TF		15540024		00158	-304		B	JS
SUSAP KEMVK6FR15	R	040XETIYK6EA0EYM		010DF				+	02000			B	JS
SUSAP KEMVK6FR15	R	050XETIYK6EA0EE		R020HM			33550040	+	02000			B	JS

QUALITY  
1  
CHECKED

CITY AND STATE  EMPORIA, VA	ELEVATION: 127 TDZE: 127  AIRPORT NAME:  EMPORIA-GREENSVILLE REGIONAL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 15, ORIG  22 OCT 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.

QUALITY  
CHECKED

CITY AND STATE  EMPORIA, VA	ELEVATION: 127      TDZE: 127  AIRPORT NAME:  EMPORIA-GREENSVILLE REGIONAL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 15, ORIG  22 OCT 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
	LVL	LVL	010		IF		FB				
	LVL	CITAD	020	IAP	TF		FB	2.0	107.8 (098T)	009.8	02000
	LVL	EYUGO	030		TF		FB	1.0	065.3 (055T)	005.0	02000
	WAIKS	WAIKS	010		IF		FB				
	WAIKS	VASPY	020	IAP	TF		FB	2.0	256.9 (247T)	024.2	02000
	WAIKS	EYUGO	030		TF		FB	1.0	245.4 (235T)	005.0	02000
		EYUGO	010	FACF	IF		FB				02000
		POCAB	011	SDF	TF		FB	0.5	155.3 (145T)	004.0	01800
		RUSHS	020	FAP	TF		FB	0.5	155.3 (145T)	002.2	01700
		JFRSN	021	SDF	TF		FB	0.3	155.4 (145T)	002.4	0092000928
		RW15	030	MAP	TF		FO	0.3	155.4 (145T)	002.4	00158

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	XETIY	040		DF		FO	1.0			02000
	XETIY	050		HM	R	FO	2.0	335.5 (326T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LVL	N364904.93	W0775410.69	N3649.082	W07754.178
	CITAD	N364744.68	W0774208.66	N3647.745	W07742.144
	EYUGO	N365035.76	W0773701.54	N3650.596	W07737.026
	JFRSN	N364331.74	W0773057.11	N3643.529	W07730.952
	POCAB	N364719.11	W0773412.36	N3647.319	W07734.206
	RUSHS	N364529.27	W0773237.98	N3645.488	W07732.633
	VASPY	N365326.61	W0773154.04	N3653.444	W07731.901
	WAIKS	N370301.72	W0770407.68	N3703.029	W07704.128
	XETIY	N363259.33	W0772156.20	N3632.989	W07721.937
	RW15	N364133.08	W0772915.37	N3641.551	W07729.256

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	RW15	00127
		31

QUALITY  
1  
CHECKED

CITY AND STATE  
EMPORIA, VA

ELEVATION: 127 TDZE: 127  
 AIRPORT NAME:  
 EMPORIA-GREENSVILLE REGIONAL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 15, ORIG  
 22 OCT 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												
HIGDA	ZUNAD (FO)	248.36 / 27.35	3000	LPV: DA LNAV/VNAV: DA LNAV: RW06  CLIMB TO 2900 DIRECT LAMMB AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 241.04 INBOUND. CHART FAS OBST: 380 TREE 465901N/1235844W CHART FAS OBST: 323 TREE 465912N/1235724W DISTANCE TO THLD FROM 290 HAT: 0.75 NM. WAAS CHANNEL # 82015 REFERENCE PATH ID: W06A											
OZALU	ZUNAD (FO)	230.30 / 22.37	2900												
WAVLU	ZUNAD (FO)	308.76 / 7.40	2600												
ZUNAD (IF/IAF)	JUDSA (FB)	060.64 / 6.10	1600												
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD SW ZUNAD, RT, 060.64 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: <u>060.75</u> FAF: JUDSA <u>      </u> DIST FAF TO MAP: <u>4.74</u> THLD: <u>4.74</u> 4. MIN. ALT: ZUNAD 2600, JUDSA 1600 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>1600</u> GS ALT AT: JUDSA 1600 <u>      </u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: RW06 4300				MAG VAR: 19E 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	308	1	290	308	1	290	308	1	290	308	1	290			
LNAV/VNAV DA	758	2 1/2	740	758	2 1/2	740	758	2 1/2	740	758	2 1/2	740			
LNAV MDA	620	1	602	620	1	602	620	1 3/4	602	620	2	602			
CIRCLING	620	1	602	620	1	602	620	1 3/4	602	620	2	602			
NOTES: CHART NOTE: CIRCLING NA NW OF RWY 6-24. 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. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.															
CITY AND STATE		ELEVATION: 18 TDZE: 18		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
HOQUIAM, WA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 6, AMDT 1				AMDT: ORIG					
		BOWERMAN				22 OCT 2009				DATED 08/30/2007					

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

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KHQM  
RUNWAY RW06  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W06A  
LTP/FTP LATITUDE 465811.9500N  
LTP/FTP LONGITUDE 1235647.1100W  
LTP/FTP ELLIPSOIDAL HEIGHT -00185  
FPAP LATITUDE 465827.6600N  
FPAP LONGITUDE 1235439.0400W  
THRESHOLD CROSSING HEIGHT (TCH) 00052.0  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 1224  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

3FE2D46D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1  
LTP ORTHOMETRIC HEIGHT +00053  
FPAP ORTHOMETRIC HEIGHT +00053

CITY AND STATE

HOQUIAM, WA

ELEVATION: 18

TDZE: 18

AIRPORT NAME:

BOWERMAN

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG

DATED: 08/30/2007



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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHQMK1FR06	AHIGDA	010HIGDAK1EA0E	IF							18000		A JS	
SUSAP KHQMK1FR06	AHIGDA	020ZUNADK1EA0EY	020TF			24840274		+ 03000				A JS	
SUSAP KHQMK1FR06	AHIGDA	030ZUNADK1EA0EE	AR HF			06060040		+ 02600				A JS	
SUSAP KHQMK1FR06	AOZALU	010OZALUK1EA0E	IF							18000		A JS	
SUSAP KHQMK1FR06	AOZALU	020ZUNADK1EA0EY	020TF			23030224		+ 02900				A JS	
SUSAP KHQMK1FR06	AOZALU	030ZUNADK1EA0EE	AR HF			06060040		+ 02600				A JS	
SUSAP KHQMK1FR06	AWAVLU	010WAVLUK1EA0E	IF							18000		A JS	
SUSAP KHQMK1FR06	AWAVLU	020ZUNADK1EA0EY	020TF			30880074		+ 02600				A JS	
SUSAP KHQMK1FR06	AWAVLU	030ZUNADK1EA0EE	AR HF			06060040		+ 02600				A JS	
SUSAP KHQMK1FR06	R	010ZUNADK1EA0E	I IF					+ 02600		18000		A JS	
SUSAP KHQMK1FR06	R	020JUDSAK1EA1E	F 051TF			06060061		+ 01600			RW06	K1PGA	JS
SUSAP KHQMK1FR06	R	020JUDSAK1EA2WALFV		ALNAV/VNAV	ALNAV								JS
SUSAP KHQMK1FR06	R	030RW06	K1PGOGY M 031TF			06080047		00070		-300		A JS	
SUSAP KHQMK1FR06	R	040LAMBK1EA0EYM	010DF					+ 02900				A JS	
SUSAP KHQMK1FR06	R	050LAMBK1EA0EE	R020HM			24100040		+ 02900				A JS	

[illegible]

QUALITY  
CHECKED

CITY AND STATE  HOQUIAM, WA	ELEVATION: 18      TDZE: 18  AIRPORT NAME:  BOWERMAN	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 6, AMDT 1  22 OCT 2009	SUP:
				AMDT:      ORIG
				DATED:      08/30/2007

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]

QUALITY  
CHECKED

CITY AND STATE  HOQUIAM, WA	ELEVATION: 18      TDZE: 18  AIRPORT NAME:  BOWERMAN	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 6, AMDT 1  22 OCT 2009	SUP:
				AMDT:      ORIG
				DATED:      08/30/2007

## 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
	HIGDA	HIGDA	010		IF		FB				
	HIGDA	ZUNAD	020		TF		FO	2.0	248.4 (267T)	027.4	03000
	HIGDA	ZUNAD	030	IAF	HF	R	FO		060.6 (080T)	004.0	02600
	OZALU	OZALU	010		IF		FB				
	OZALU	ZUNAD	020		TF		FO	2.0	230.3 (249T)	022.4	02900
	OZALU	ZUNAD	030	IAF	HF	R	FO		060.6 (080T)	004.0	02600
	WAVLU	WAVLU	010		IF		FB				
	WAVLU	ZUNAD	020		TF		FO	2.0	308.9 (328T)	007.4	02600
	WAVLU	ZUNAD	030	IAF	HF	R	FO		060.6 (080T)	004.0	02600
		ZUNAD	010	FACF	IF		FB				02600
		JUDSA	020	FAP	TF		FB	0.5	060.6 (080T)	006.1	01600
		RW06	030	MAP	TF		FO	0.3	060.8 (080T)	004.7	00070

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LAMMB	040		DF		FO	1.0			02900
	LAMMB	050		HM	R	FO	2.0	241.0 (260T)	004.0	02900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIGDA	N465738.74	W1233228.89	N4657.646	W12332.482
	JUDSA	N465721.52	W1240336.07	N4657.359	W12403.601
	LAMMB	N470023.49	W1233844.06	N4700.392	W12338.734
	OZALU	N470414.49	W1234149.07	N4704.242	W12341.818
	WAVLU	N465000.90	W1240635.70	N4650.015	W12406.595
	ZUNAD	N465616.10	W1241221.35	N4656.268	W12412.356
	RW06	N465811.95	W1235647.11	N4658.199	W12356.785

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
	RW06	00018 52

CITY AND STATE  
HOQUIAM, WAELEVATION: 18 TDZE: 18  
AIRPORT NAME:  
BOWERMANFACILITY  
IDENTIFIER:  
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 6, AMDT 1  
22 OCT 2009SUP:  
AMDT: ORIG  
DATED: 08/30/2007QUALITY  
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: RW24  CLIMB TO 2600 DIRECT ZUNAD AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.64 INBOUND. CHART FAS OBST: 546 TREE 465926N/1235215W DISTANCE TO THLD FROM 200 HAT: 0.39 NM. WAAS CHANNEL # 86902 REFERENCE PATH ID: W24A											
PUGIC	LAMMB (FO)	014.40 / 28.80	3400												
SOUPY (IAF)	LAMMB (NOPT) (FB)	266.79 / 9.64	2900												
ULESS (IAF)	LAMMB (NOPT) (FB)	204.81 / 10.41	2900												
LAMMB (IF/IAF)	NEYDI (FB)	241.04 / 6.33	2100												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE LAMMB, RT, 241.04 INBOUND, 2900 FT. IN LIEU OF PT (IAF) 3. FAC: 240.94 FAF: NEYDI _____ DIST FAF TO MAP: 5.39 THLD: 5.39 4. MIN. ALT: LAMMB 2900, NEYDI 2100, FODUL/2.40 NM TO RW24 960 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: NEYDI _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.50 TCH: 54.7 34:1 IS NOT CLEAR 8. MSA FROM: RW24 4600				MAG VAR: 19E 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	216	3/4	200	216	3/4	200	286	1	270		NA				
LNAV/VNAV DA	1029	2 1/2	1013	1029	2 1/2	1013	1029	2 1/2	1013		NA				
LNAV MDA	800	3/4	784	800	3/4	784	800	1 3/4	784		NA				
CIRCLING	800	1	782	800	1 1/4	782	800	2 1/4	782		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F). @ CAT C 800-2 1/4 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 18 TDZE: 16		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
HOQUIAM, WA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 24, AMDT 1				AMDT: ORIG					
		BOWERMAN				22 OCT 2009				DATED 08/30/2007					

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

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## NOTES CONT.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A VISIBILITY TO 1 MILE.

CHART NOTE: CIRCLING NA NW OF RWY 6-24.

CHART NOTE: PROCEDURE NA FOR ARRIVALS AT ULESS VIA V27 NORTHEAST BOUND AND SOUPY VIA V204 EASTBOUND AND PUGIC VIA V27 SOUTH BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CITY AND STATE

HOQUIAM, WA

ELEVATION: 18 TDZE: 16

AIRPORT NAME:

BOWERMAN

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG

DATED: 08/30/2007

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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHQM
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	465820.6600N
LTP/FTP LONGITUDE	1235536.1500W
LTP/FTP ELLIPSOIDAL HEIGHT	-00191
FPAP LATITUDE	465811.9500N
FPAP LONGITUDE	1235647.1100W
THRESHOLD CROSSING HEIGHT (TCH)	00054.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	87.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 17C8AFF6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00046
FPAP ORTHOMETRIC HEIGHT	+00046

CITY AND STATE  
HOQUIAM, WA

ELEVATION: 18 TDZE: 16  
AIRPORT NAME:  
BOWERMAN

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 24, AMDT 1  
22 OCT 2009

SUP:	
AMDT:	ORIG
DATED:	08/30/2007

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 KHQMK1FR24	APUGIC	010PUGICK1EA0E	IF						18000			A JS	
SUSAP KHQMK1FR24	APUGIC	020LAMMBK1EA0EY	020TF			01440288	+ 03400					A JS	
SUSAP KHQMK1FR24	APUGIC	030LAMMBK1EA0EE	AR HF			24100040	+ 02900					A JS	
SUSAP KHQMK1FR24	ASOUPY	010SOUPYK1EA0E	A IF						18000			A JS	
SUSAP KHQMK1FR24	ASOUPY	020LAMMBK1EA0EE	010TF			26680096	+ 02900					A JS	
SUSAP KHQMK1FR24	AULESS	010ULESSK1EA0E	A IF						18000			A JS	
SUSAP KHQMK1FR24	AULESS	020LAMMBK1EA0EE	010TF			20480104	+ 02900					A JS	
SUSAP KHQMK1FR24	R	010LAMMBK1EA0E	I IF				+ 02900		18000			A JS	
SUSAP KHQMK1FR24	R	020NEYDIK1EA1E	F 051TF			24100063	+ 02100				RW24	K1PGA JS	
SUSAP KHQMK1FR24	R	020NEYDIK1EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KHQMK1FR24	R	021FODULK1EA0E	S 031TF			24090030	V 0096000968			-350		A JS	
SUSAP KHQMK1FR24	R	030RW24 K1PG0GY	M 031TF			24090024	00070			-350		A JS	
SUSAP KHQMK1FR24	R	040ZUNADK1EA0EYM	010DF				+ 02600					A JS	
SUSAP KHQMK1FR24	R	050ZUNADK1EA0EE	R020HM			06060040	+ 02600					A JS	

[illegible]

QUALITY  
CHECKED

CITY AND STATE  HOQUIAM, WA	ELEVATION: 18      TDZE: 16  AIRPORT NAME:  BOWERMAN	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 24, AMDT 1  22 OCT 2009	SUP:
				AMDT:      ORIG
				DATED:      08/30/2007

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[illegible]

QUALITY  
CHECKED

CITY AND STATE  HOQUIAM, WA	ELEVATION: 18      TDZE: 16  AIRPORT NAME:  BOWERMAN	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 24, AMDT 1  22 OCT 2009	SUP:
				AMDT:      ORIG
				DATED:      08/30/2007



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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PUGIC	PUGIC	010		IF		FB				
	PUGIC	LAMMB	020		TF		FO	2.0	014.4 (033T)	028.8	03400
	PUGIC	LAMMB	030	IAF	HF	R	FO		241.0 (260T)	004.0	02900
	SOUPY	SOUPY	010	IAF	IF		FB				
	SOUPY	LAMMB	020		TF		FB	1.0	266.8 (286T)	009.6	02900
	ULESS	ULESS	010	IAF	IF		FB				
	ULESS	LAMMB	020		TF		FB	1.0	204.8 (224T)	010.4	02900
		LAMMB	010	FACF	IF		FB				02900
		NEYDI	020	FAF	TF		FB	0.5	241.0 (260T)	006.3	02100
		FODUL	021	SDF	TF		FB	0.3	240.9 (260T)	003.0	0096000968
		RW24	030	MAP	TF		FO	0.3	240.9 (260T)	002.4	00070

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZUNAD	040		DF		FO	1.0			02600
	ZUNAD	050		HM	R	FO	2.0	060.6 (080T)	004.0	02600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FODUL	N465846.00	W1235209.14	N4658.767	W12352.152
	LAMMB	N470023.49	W1233844.06	N4700.392	W12338.734
	NEYDI	N465917.45	W1234750.88	N4659.291	W12347.848
	PUGIC	N463623.90	W1240154.16	N4636.398	W12401.903
	SOUPY	N465747.07	W1232511.13	N4657.785	W12325.186
	ULESS	N470754.58	W1232812.15	N4707.910	W12328.203
	ZUNAD	N465616.10	W1241221.35	N4656.268	W12412.356
	RW24	N465820.66	W1235536.15	N4658.344	W12355.603

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW24	00015	47

QUALITY  
1  
CHECKED

CITY AND STATE <b>HOQUIAM, WA</b>	ELEVATION: 18 TDZE: 16	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 24, AMDT 1</b> <b>22 OCT 2009</b>	SUP:
	AIRPORT NAME: <b>BOWERMAN</b>			AMDT: <b>ORIG</b>
				DATED: <b>08/30/2007</b>

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	
CKB VOR/DME	FONTZ INT/CKB 15.96 DME	029.32 / 15.96	4400	<b>ILS: DA</b> <b>LOC: 5.03 MILES AFTER ARCAT OR AT CKB 3.76 DME FIX</b>  <b>CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3200 DIRECT CKB VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3200; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3800 VIA HEADING 038 AND I-CKB LOC NE COURSE TO FONTZ INT AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD SW, RT, 042.00 INBOUND.</b> <b>CHART: ALTERNATE MA HOLDING, HOLD NE FONTZ INT/15.96 DME, RT, 210.84 INBOUND.</b> <b>CHART FAS OBST: 1473 TREE 392006N/0801233W</b> <b>CHART 1717 TOWER 392247N/0801119W.</b> <b>CHART MGW VORTAC 12.67 DME AT FONTZ</b>
EKN VORTAC	FONTZ INT/CKB 15.96 DME	005.34 / 34.74	4400	
MGW VORTAC (IAF)	FONTZ INT/CKB 15.96 DME (NOPT)	257.76 / 12.67	3800	
FONTZ INT/CKB 15.96 DME (IF/IAF)	ARCAT OM/CKB 8.75 DME/RADAR	210.84 / 7.22	2900	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NE FONTZ, RT, 210.84 INBOUND, 3800 FT. IN LIEU OF PT (IAF)
- FAC: 210.84 FAF: ARCAT OM/CKB 8.75 DME/RADAR DIST FAF TO MAP: 5.03 THLD: 5.03
- MIN. ALT: ARCAT OM 2900, PUYKO/CKB 6.33 DME/RADAR 2100
- DIST TO THLD FROM OM: 5.03 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1126
- MIN GS INCPT: 2900 GS ALT AT: GS INTCP OM: 2894 MM: - IM: -
- GS ANGLE: 3.00 TCH: 49.8
- MSA FROM: CKB VOR/DME 4800

MAG VAR: **8W** EPOCH YEAR: **1995**

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N/A			ILS: #			LOC: STANDARD @			
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 21		1417	2400	200	1417	2400	200	1417	2400	200	1417	2400	200			
S-LOC 21		1740	2400	523	1740	2400	523	1740	5000	523	1740	6000	523			
CIRCLING		1920	1	703	1920	1	703	1920	2	703	2060	2 3/4	843			

NOTES:  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MORGANTOWN ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET, AND INCREASE VISIBILITY S-LOC 21 CATS C AND D AND CIRCLING CATS B, C AND D 1/4 MILE.  
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MORGANTOWN ALTIMETER SETTING, SEE 8260-10

# CAT A, B, C 800-2, CAT D 900-2 3/4  
@ CAT D 900-2 3/4  
# @ NA WHEN CONTROL TOWER CLOSED.

QUALITY  
CHECKED

CITY AND STATE <b>CLARKSBURG, WV</b>	ELEVATION: 1217 TDZE: 1217 AIRPORT NAME: <b>NORTH CENTRAL WEST VIRGINIA</b>	FACILITY IDENTIFIER: <b>I-CKB</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 21, AMDT 2</b> <b>22 OCT 2009</b>	SUP: AMDT: <b>1A</b> DATED <b>09/25/2008</b>
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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.

INCREASE S-ILS 21 ALL CATS VISIBILITY TO RVR 5000.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MGW VORTAC AIRWAY RADIALS 201 CW 307.

CHART NOTE: DME OR RADAR REQUIRED FOR LOC ONLY MINIMUMS.

QUALITY  
CHECKED

CITY AND STATE

CLARKSBURG, WV

ELEVATION: 1217 TDZE: 1217

AIRPORT NAME:

NORTH CENTRAL WEST VIRGINIA

FACILITY  
IDENTIFIER:

I-CKB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 21, AMDT 2

22 OCT 2009

SUP:

AMDT: 1A

DATED: 09/25/2008

U.S. Department of Transportation  
Federal Aviation Administration

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

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA											
IDECA (40E)	UROCO (TF) (FB) (RNP 1.00) (40E)	258.00/25.00	14000	CLIMB TO 14000 VIA TRACK 006.51 TO QUIRT AND VIA TRACK 088.36 TO DNW VOR/DME AND HOLD. CONTINUE CLIMB-IN-HOLD TO 14000.											
UROCO (40E)	VUGUY (TF) (FB) (RNP 1.00) (40E) (43A)	318.57/14.32	14000												
OLNUE (40E)	VUGUY (TF) (FB) (RNP 1.00) (40E) (43A)	089.89/15.37	14000												
VUGUY (IAF) (40E) (43A)	LIYET (TF) (FB) (RNP 0.50) (40E)	006.34/12.00	11600	ADDITIONAL FLIGHT DATA: HOLD N, LT, 197.99 INBOUND CHART FAS OBST: 7219 TREE 433148N/1104722W CHART: 7751 TREE 433808N/1104134W CHART MAXIMUM 17500 AT IDECA AND OLNUE, MAXIMUM 15000 AT VUGUY. DIST TO THLD FROM 933 HAT: 2.83 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 6462.8 MSL (DO NOT CHART)											
LIYET (40E)	NECPI (TF) (FB) (RNP 0.50) (40E)	006.40/2.00	11100												
NECPI (40E)	YONUL (TF) (FB) (RNP 0.50) (40E)	006.41/2.40	10500												
YONUL (40E)	JEVIM (TF) (FB) (RNP 0.50) (40E) (41E)	006.42/2.40	9900												
CONTINUED ON PAGE 2															
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. PROFILE STARTS AT VUGUY															
3. FAC: 006.47 FAF: DIST FAF TO MAP: THLD:															
4. MIN. ALT: VUGUY 14000, LIYET 11600, NECPI 11100, YONUL 10500, JEVIM 9900, WIDGA 8600															
5. DIST TO THLD FROM OM: 6.59 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 8600 GS ALT AT: WIDGA 8600 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 50.0# 34:1 IS NOT CLEAR															
8. MSA FROM: RW01 15000				MAG VAR: 13E EPOCH YEAR: 2005											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	1000-4										
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 0.30 DA	7364	4	933	7364	4	933	7364	4	933		NA				
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -28C (-18F) OR ABOVE 36C (97F). INOPERATIVE TABLE DOES NOT APPLY. VISIBILITY REDUCTION BY HELICOPTERS NA. WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE AT IDECA AND OLNUE: (RNP 0.30).															
CITY AND STATE		ELEVATION: 6451 TDZE: 6431		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 22 OCT 2009 RNAV (RNP) Y RWY 1, ORIG-A				SUP: CRIG DATE 01/18/2007					
JACKSON, WY		JACKSON HOLE													

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

RNAV

## STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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

CONTINUED FROM PAGE 1

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEVIM (IF) (40E) (43I)	WIDGA (TF) (FB) (RNP 0.30) (40E) (43F)	006.43/8.00	8600
WIDGA (FAF) (40E) (43F)	RW01 (TF) (FB) (40G) (41Y) (43M)	006.47/6.59	
RW01 (MAP) (40G) (41Y) (43M)	QUIRT (TF) (FB) (RNP 1.00) (40E) (42M)	006.51/17.15	
QUIRT (40E) (42M)	DNW VOR/DME (TF) (FO) (RNP 1.00) (40V) (41Y)	088.36/12.15	14000

CITY AND STATE

JACKSON, WY

ELEVATION:

6451 TDZE:

6431

AIRPORT NAME:

JACKSON HOLE

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Y RWY 1, ORIG-A

SUP:

AMDT: ORIG

DATED: 01/18/2007

RNAV

## STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR 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
	IDECA	IDECA	010		IF		FB				17500 MAX
	IDECA	UROCO	020		TF		FB	1.0	258.0 (271T)	025.0	14000
	IDECA	VUGUY	030	IAF	TF		FB	1.0	318.6 (332T)	014.3	15000/14000 BLK
	IDECA	LIYET	040		TF		FB	0.5	006.3 (019T)	012.0	11600
	IDECA	NECPI	050		TF		FB	0.5	006.4 (019T)	002.0	11100
	IDECA	YONUL	060		TF		FB	0.5	006.4 (019T)	002.4	10500
	IDECA	JEVIM	070	IF	TF		FB	0.5	006.4 (019T)	002.4	09900
	OLNUE	OLNUE	010		IF		FB				17500 MAX
	OLNUE	VUGUY	020	IAF	TF		FB	1.0	089.9 (103T)	015.4	15000/14000 BLK
	OLNUE	LIYET	030		TF		FB	0.5	006.3 (019T)	012.0	11600
	OLNUE	NECPI	040		TF		FB	0.5	006.4 (019T)	002.0	11100
	OLNUE	YONUL	050		TF		FB	0.5	006.4 (019T)	002.4	10500
	OLNUE	JEVIM	060	IF	TF		FB	0.5	006.4 (019T)	002.4	09900
		JEVIM	010	FACF	IF		FB				09900
		WIDGA	020	FAF	TF		FB	0.3	006.4 (019T)	008.0	08600
		RW01	030	MAP	TF		FO	0.3	006.4 (019T)	006.6	06463 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	QUIRT	040		TF		FB	1.0	006.5 (020T)	017.2	
	DNW	050		TF		FO	1.0	088.4 (101T)	012.2	14000
	DNW	060		HM	L	FO	2.0	198.0 (211T)	008.0	14000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DNW	N434941.80	W1102007.71	N4349.697	W11020.129
	IDECA	N425131.06	W1101625.75	N4251.518	W11016.429
	JEVIM	N432211.62	W1105111.02	N4322.194	W11051.184
	LIYET	N431546.75	W1105416.80	N4315.779	W11054.280
	NECPI	N431739.96	W1105322.23	N4317.666	W11053.371
	OLNUE	N430755.05	W1112009.86	N4307.918	W11120.164
	QUIRT	N435206.61	W1103635.39	N4352.110	W11036.590
	UROCO	N425152.20	W1105025.10	N4251.870	W11050.418
	VUGUY	N430427.35	W1105943.07	N4304.456	W11059.718
	WIDGA	N432944.29	W1104731.61	N4329.738	W11047.527
	YONUL	N431955.79	W1105216.67	N4319.930	W11052.278
	RW01	N433557.10	W1104430.19	N4335.952	W11044.503

CONT. ON PAGE 4

CITY AND STATE

JACKSON, WY

ELEVATION: 6451 TDZE: 6431

AIRPORT NAME:  
JACKSON HOLEFACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Y RWY 1, ORIG-A

SUP:

AMDT: ORIG

DATED: 01/18/2007

RNAV

## STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18  
CONTINUED...

## RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW01	06413	50

CITY AND STATE

JACKSON, WY

ELEVATION: 6451 TDZE: 6431  
AIRPORT NAME:

JACKSON HOLE

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
22 OCT 2009

RNAV (RNP) Y RWY 1, ORIG-A

SUP:

AMDT: ORIG

DATED: 01/18/2007

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

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

TERMINAL ROUTES						MISSED APPROACH						
FROM	TO		COURSE AND DISTANCE		ALTITUDE	MAP: DA						
IDECA (40E)	UROCO (TF) (FB) (RNP 1.00) (40E)		258.00/25.00		14000	CLIMB TO 14000 VIA TRACK 006.51 TO UBEVE AND VIA TRACK 006.53 TO QUIRT AND VIA TRACK 088.36 TO DNW VOR/DME AND HOLD. CONTINUE CLIMB-IN-HOLD TO 14000.						
UROCO (40E)	VUGUY (TF) (FB) (RNP 1.00) (40E) (43A)		318.57/14.32		14000							
OLNUE (40E)	VUGUY (TF) (FB) (RNP 1.00) (40E) (43A)		089.89/15.37		14000							
VUGUY (IAF) (40E) (43A)	LIYET (TF) (FB) (RNP 0.50) (40E)		006.34/12.00		11600	ADDITIONAL FLIGHT DATA: HOLD N, LT, 197.99 INBOUND CHART FAS OBST: 7219 TREE 433148N/1104722W CHART: 7451 TREE 433903N/1104115W CHART MAXIMUM 17500 AT IDECA AND OLNUE, MAXIMUM 15000 AT VUGUY. DIST TO THLD FROM 380 HAT: 1.09 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 6462.8 MSL (DO NOT CHART)						
LIYET (40E)	NECPI (TF) (FB) (RNP 0.50) (40E)		006.40/2.00		11100							
NECPI (40E)	YONUL (TF) (FB) (RNP 0.50) (40E)		006.41/2.40		10500							
YONUL (40E)	JEVIM (TF) (FB) (RNP 0.50) (40E) (41E)		006.42/2.40		9900							
CONTINUED ON PAGE 2												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. PROFILE STARTS AT VUGUY 3. FAC: <u>006.47</u> FAF: <u>      </u> DIST FAF TO MAP: <u>      </u> THLD: <u>      </u> 4. MIN. ALT: VUGUY 14000, LIYET 11600, NECPI 11100, YONUL 10500, JEVIM 9900, WIDGA 8600 5. DIST TO THLD FROM OM: <u>6.59</u> MM: <u>      </u> IM: <u>150</u> HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>8600</u> GS ALT AT: WIDGA 8600 OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0# 34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW01 15000</u>						MAG VAR: 13E EPOCH YEAR: 2005						
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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED												
RNP 0.30 DA	6811	1	380	6811	1	380	6811	1	380	NA		
NOTES: CHART NOTES: GPS REQUIRED. FOR INOPERATIVE MALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -28C (-18F) OR ABOVE 36C (97F). VISIBILITY REDUCTION BY HELICOPTERS NA. WHEN VGSI INOP, PROCEDURE NA AT NIGHT. MISSED APPROACH REQUIRES RNP LESS THAN 1.0 AND MINIMUM CLIMB OF 280 FEET PER NM TO 8100; IF UNABLE, SEE RNAV (RNP) Y RWY 1. CHART PLANVIEW NOTE AT IDECA AND OLNUE: (RNP 0.30)												
CITY AND STATE		ELEVATION: 6451 TDZE: 6431		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 22 OCT 2009 RNAV (RNP) Z RWY 1, ORIG-B				SUP: ORIG-A		
JACKSON, WY		JACKSON HOLE								DATE 05/08/2008		



RNAV

## STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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

CONTINUED FROM PAGE 1

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEVIM (IF) (40E) (43I)	WIDGA (TF) (FB) (RNP 0.30) (40E) (43F)	006.43/8.00	8600
WIDGA (FAF) (40E) (43F)	RW01 (TF) (FB) (40G) (43M)	006.47/6.59	
RW01 (MAP) (40G)(40E) (43M)	UBEVE (TF) (FB) (RNP 0.30) (40E) (42M)	006.51/4.37	
UBEVE (40E) (42M)	QUIRT (TF) (FB) (RNP 1.00) (40E)	006.53/12.77	
QUIRT (40E)	DNW VOR/DME (TF) (FO) (RNP 1.00) (40V) (41Y)	088.36/12.15	14000

CITY AND STATE  JACKSON, WY	ELEVATION: 6451 TDZE: 6431	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  22 OCT 2009 RNAV (RNP) Z RWY 1, ORIG-B	SUP:
	AIRPORT NAME:  JACKSON HOLE, WY			AMDT: ORIG-A
	DATED: 05/08/2008			

RNAV

## STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR 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
	IDECA	IDECA	010		IF		FB				17500 MAX
	IDECA	UROCO	020		TF		FB	1.0	258.0 (271T)	025.0	14000
	IDECA	VUGUY	030	IAF	TF		FB	1.0	318.6 (332T)	014.3	15000/14000 BLK
	IDECA	LIYET	040		TF		FB	0.5	006.3 (019T)	012.0	11600
	IDECA	NECPI	050		TF		FB	0.5	006.4 (019T)	002.0	11100
	IDECA	YONUL	060		TF		FB	0.5	006.4 (019T)	002.4	10500
	IDECA	JEVIM	070	IF	TF		FB	0.5	006.4 (019T)	002.4	09900
	OLNUE	OLNUE	010		IF		FB				17500 MAX
	OLNUE	VUGUY	020	IAF	TF		FB	1.0	089.9 (103T)	015.4	15000/14000 BLK
	OLNUE	LIYET	030		TF		FB	0.5	006.3 (019T)	012.0	11600
	OLNUE	NECPI	040		TF		FB	0.5	006.4 (019T)	002.0	11100
	OLNUE	YONUL	050		TF		FB	0.5	006.4 (019T)	002.4	10500
	OLNUE	JEVIM	060	IF	TF		FB	0.5	006.4 (019T)	002.4	09900
		JEVIM	010	FACF	IF		FB				09900
		WIDGA	020	FAF	TF		FB	0.3	006.4 (019T)	008.0	08600
		RW01	030	MAP	TF		FB	0.3	006.4 (019T)	006.6	06463 MAN
MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	
	UBEVE	040		TF		FB	0.3	006.5 (020T)	004.4		
	QUIRT	050		TF		FB	1.0	006.5 (020T)	012.8		
	DNW	060		TF		FO	1.0	088.4 (101T)	012.2	14000	
	DNW	070		HM	L	FO	2.0	198.0 (211T)	008.0	14000	
POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS						
	DNW	N434941.80	W1102007.71	N4349.697	W11020.129						
	IDECA	N425131.06	W1101625.75	N4251.518	W11016.429						
	JEVIM	N432211.62	W1105111.02	N4322.194	W11051.184						
	LIYET	N431546.75	W1105416.80	N4315.779	W11054.280						
	NECPI	N431739.96	W1105322.23	N4317.666	W11053.371						
	OLNUE	N430755.05	W1112009.86	N4307.918	W11120.164						
	QUIRT	N435206.61	W1103635.39	N4352.110	W11036.590						
	UBEVE	N434004.30	W1104229.50	N4340.072	W11042.492						
	UROCO	N425152.20	W1105025.10	N4251.870	W11050.418						
	VUGUY	N430427.35	W1105943.07	N4304.456	W11059.718						
	WIDGA	N432944.29	W1104731.61	N4329.738	W11047.527						
	YONUL	N431955.79	W1105216.67	N4319.930	W11052.278						
	RW01	N433557.10	W1104430.19	N4335.952	W11044.503						

10000

10000

CONT. ON PAGE 4

CONT. ON PAGE 4

CITY AND STATE	ELEVATION: 6451 TDZE: 6431	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, WY	AIRPORT NAME: JACKSON HOLE	RNAV	22 OCT 2009 RNAV (RNP) Z RWY 1, ORIG-B	AMDT: ORIG-A
				DATED: 05/08/2008

RNAV

## STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR 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**  
**CONTINUED...****RUNWAY DATA**

RWY	THRESHOLD ELEVATION	TCH
RW01	06413	50

CITY AND STATE

JACKSON, WY

ELEVATION: 6451 TDZE: 6431  
AIRPORT NAME:

JACKSON HOLE

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 1, ORIG-B

SUP:

AMDT: ORIG-A

DATED: 05/08/2008

U.S. Department of Transportation Federal Aviation Administration		<b>RNAV - STANDARD</b> <b>INSTRUMENT APPROACH PROCEDURE</b> <b>TITLE 14 CFR PART 97.33</b>			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
<b>TERMINAL ROUTES</b>					<b>MISSED APPROACH</b>										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA  CLIMB TO 14000 VIA TRACK 186.52 TO NECPI AND VIA TRACK 096.41 TO VECUR AND VIA LEFT TURN ON TRACK 347.53 TO DNW VOR/DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, LT, 197.99 INBOUND CHART: 6739 TREE 433848N/1104215W, 9883 TWR 431632N/1105230W CHART MAXIMUM 17500 AT SABAT AND TOCUD. DIST TO THLD FROM 405 HAT: 1.11 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 6503.0 MSL (DO NOT CHART)											
SABAT (40E)	WEPRA (TF) (FB) (RNP 1.00) (40E)	061.77/37.57	13000												
WEPRA (40E)	YUGUS (TF) (FB) (RNP 1.00) (40E) (43A)	096.41/15.01	13000												
TOCUD (40E)	YUGUS (TF) (FB) (RNP 1.00) (40E) (43A)	263.68/15.66	13000												
YUGUS (IAF) (40E) (43A)	KECEV (TF) (FB) (RNP 1.00) (40E)	186.67/10.00	12000												
KECEV (40E)	JUTEG (TF) (FB) (RNP 1.00) (40E) (41E)	186.62/7.37	10700												
JUTEG (IF) (40E) (43I)	PIYIP (TF) (FB) (RNP 0.50) (40E) (43F)	186.58/7.87	8200												
PIYIP (FAF) (40E) (43F)	RW19 (TF) (FO) (40G) (41Y) (43M)	186.54/5.25													
CONTINUED ON PAGE 2															
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT JUTEG 3. FAC: 186.54 FAF: DIST FAF TO MAP: THLD: 4. MIN. ALT: JUTEG 10700, PIYIP 8200 5. DIST TO THLD FROM OM: 5.25 MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 8200 GS ALT AT: PIYIP 8200 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 52.5# 34:1 IS NOT CLEAR 8. MSA FROM: RW19 15000															
<b>MINIMUMS</b>															
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
<b>SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED</b>															
RNP 0.30 DA	6856	1 1/4	405	6856	1 1/4	405	6856	1 1/4	405		NA				
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -28C (-18F) OR ABOVE 35C (96F). FOR INOPERATIVE MALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2. VISIBILITY REDUCTION BY HELICOPTERS NA. WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SABAT ON V298 WESTBOUND. CHART PLANVIEW NOTE AT TOCUD AND SABAT: (RNP 0.50)															
CITY AND STATE		ELEVATION: 6451 TDZE: 6451		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 22 OCT 2009 RNAV (RNP) Z RWY 19, ORIG-A				SUP: AMDT: ORIG DATE 01/18/2007					
JACKSON, WY		JACKSON HOLE													

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

RNAV

## STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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

CONTINUED FROM PAGE 1

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW19 (TF) (FO) (40G)(41Y) (43M)	NECPI (TF) (FB) (RNP 1.00) (40E (42M)	186.52/20.43	
NECPI (40E) (42M)	VECUR (TF) (FB) (RNP 1.00) (40E)	096.41/25.40	
VECUR (40E)	DNW VOR/DME (TF) (FO) (RNP 1.00) (40V) (41Y)	347.53/40.55	14000

CITY AND STATE

JACKSON, WY

ELEVATION:

6451 TDZE:

6451

AIRPORT NAME:

JACKSON HOLE

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 19, ORIG-A

SUP:

AMDT:

ORIG

DATED:

01/18/2007

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

RNAV

## STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR 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
	SABAT	SABAT	010		IF		FB				17500 MAX
	SABAT	WEPR	020		TF		FB	1.0	061.8 (075T)	037.6	13000
	SABAT	YUGUS	030	IAF	TF		FB	1.0	096.4 (109T)	015.0	13000
	SABAT	KECEV	040		TF		FB	1.0	186.7 (200T)	010.0	12000
	SABAT	JUTEG	050	IF	TF		FB	1.0	186.6 (200T)	007.4	10700
	TOCUD	TOCUD	010		IF		FB				17500 MAX
	TOCUD	YUGUS	020	IAF	TF		FB	1.0	263.7 (277T)	015.7	13000
	TOCUD	KECEV	030		TF		FB	1.0	186.7 (200T)	010.0	12000
	TOCUD	JUTEG	040	IF	TF		FB	1.0	186.6 (200T)	007.4	10700
		JUTEG	010	FACF	IF		FB				10700
		PIYIP	020	FAF	TF		FB	0.5	186.6 (200T)	007.9	08200
		RW19	030	MAP	TF		FO	0.3	186.5 (200T)	005.3	06503 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NECPI	040		TF		FB	1.0	186.5 (200T)	020.4	
	VECUR	050		TF	L	FB	1.0	096.4 (109T)	025.4	
	DNW	060		TF	L	FO	1.0	347.5 (001T)	040.6	14000
	DNW	070		HM	L	FO	2.0	198.0 (211T)	008.0	14000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DNW	N434941.80	W1102007.71	N4349.697	W11020.129
	JUTEG	N434918.01	W1103758.28	N4349.300	W11037.971
	KECEV	N435614.84	W1103433.09	N4356.247	W11034.552
	NECPI	N431739.96	W1105322.23	N4317.666	W11053.371
	PIYIP	N434152.78	W1104136.53	N4341.880	W11041.609
	SABAT	N440059.71	W1113955.04	N4400.995	W11139.917
	TOCUD	N440352.75	W1100818.40	N4403.879	W11008.307
	VECUR	N430908.70	W1102038.56	N4309.145	W11020.643
	WEPR	N441041.00	W1104932.25	N4410.683	W11049.538
	YUGUS	N440539.95	W1102953.53	N4405.666	W11029.892
	RW19	N433635.73	W1104401.60	N4336.929	W11044.027

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	
TCH		
RW19	06451	53

CITY AND STATE

JACKSON, WY

ELEVATION:

6451 TDZE: 6451

AIRPORT NAME:

JACKSON HOLE

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 19, ORIG-A

SUP:

AMDT: ORIG

DATED: 01/18/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <b>NDB      STANDARD INSTRUMENT APPROACH PROCEDURE</b> FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE				ALTITUDE	MAP:								
							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
NOTES:															
PROCEDURE CANCELED EFFECTIVE    22 OCT 2009															
CITY AND STATE		ELEVATION:		7086		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP		
PINEDALE, WY		RALPH WENZ FIELD		PNA		NDB RWY 29, AMDT 1A, 03/15/2007						AMDT    1			
												DATE    12/22/2005			

**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**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BPI VOR/DME	PNA NDB	030.26 / 18.54	10000

**MISSED APPROACH**

**MAP: PNA NDB**

**CLIMBING LEFT TURN TO 10000 DIRECT BPI VOR/DME AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
 HOLD SE, RT, 298.00 INBOUND.  
 CHART FAS OBST: 7504 TREE 424626N/1094926W  
 FAC CROSSES MID POINT OF RWY 11-29

1. PT R SIDE OF COURSE 128.64 OUTBOUND 9400 FT WITHIN 10 MILES OF PNA NDB (IAF)

2. \_\_\_\_\_

3. FAC 308.64 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_

4. MIN. ALT \_\_\_\_\_

8. MSA FROM: PNA NDB 034-124 14100, 124-214 9100, 214-304 10000, 304-034 15100

MAG VAR: 13E

EPOCH YEAR: 2005

**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
CIRCLING		7900	1	798	7900	1 1/4	798	7900	2 1/4	798	7900	2 1/2	798			

**NOTES:**

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILEY MEMORIAL FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND VISIBILITY CAT C/D 1/4 MILE

@ CAT C 800-2 1/4, CAT D 800-2 1/2  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE PINEDALE, WY	ELEVATION: 7102 TDZE: AIRPORT NAME:  PINEDALE/RALPH WENZ FIELD	FACILITY IDENTIFIER: PNA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, ORIG  22 OCT 2009	SUP AMDT NONE DATE
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## 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 11, STANDARD

RWY 29, STANDARD WITH MINIMUM CLIMB OF 310 FEET PER NM TO 8300, OR 4900-3 FOR CLIMB IN VISUAL CONDITIONS.

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 11: CLIMBING RIGHT TURN TO 10000 VIA HEADING 190 AND BPI R-040 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE.

RWY 29: CLIMBING LEFT TURN TO 10000 VIA HEADING 230 AND BPI R-020 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS PINEDALE/RALPH WENZ FIELD AT OR ABOVE 11800 BEFORE PROCEEDING ON COURSE.

### (3) TAKEOFF OBSTACLE NOTES:

### (4) CONTROLLING OBSTACLES:

RWY 11: 14004 MSL AAO 431057.60N/1093912.50W.

RWY 29: 14004 MSL AAO 431057.60N/1093912.50W, 7950 MSL AAO 424913.10N/1095429.70W.

VCOA: 13945 MSL AAO 430741.40N/1093627.00W, 7950 MSL AAO 424913.10N/1095429.70W.

QUALITY  
2  
CHECKED

(5) City, State <b>PINEDALE, WY</b>	(6) Airport <b>PINEDALE/RALPH WENZ FIELD</b>	(7) Effective Date <b>22 OCT 2009</b>	(8) Amdt. No. <b>2</b>
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[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30688 ; Amdt. No. 3341 ]

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](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](http://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.

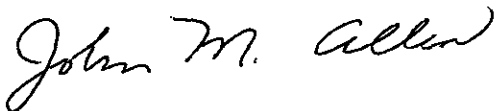
## CONCLUSION

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 September 18, 2009.

A handwritten signature in cursive script that reads "John M. Allen".

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, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows:  
 .....EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
22-Oct-09	TX	LLANO	LLANO MUNI	9/7728	9/3/2009	VOR-A, AMDT 3
22-Oct-09	NY	SARATOGA SPRINGS	SARATOGA COUNTY	9/8985	9/10/2009	RNAV (GPS) RWY 23, AMDT 1
22-Oct-09	AK	KOTLIK	KOTLIK	9/8994	9/10/2009	RNAV (GPS) RWY 2, ORIG-A
22-Oct-09	CA	LONG BEACH	LONG BEACH/DAUGHERTY FIELD	9/9048	9/10/2009	VOR OR TACAN RWY 30, AMDT 8A
22-Oct-09	CA	LONG BEACH	LONG BEACH/DAUGHERTY FIELD	9/9049	9/10/2009	ILS OR LOC RWY 30, AMDT 32D
22-Oct-09	OR	NEWPORT	NEWPORT MUNI	9/9058	9/10/2009	VOR/DME RWY 34, AMDT 1
22-Oct-09	CA	GRASS VALLEY	NEVADA COUNTY AIRPARK	9/9062	9/10/2009	GPS RWY 7, ORIG
22-Oct-09	CA	GRASS VALLEY	NEVADA COUNTY AIRPARK	9/9064	9/10/2009	VOR OR GPS-A, AMDT 1



***AIRAC Date: 22-Oct-2009***

FDC 9/7728 AQO FI/P LLANO MUNI, LLANO, TX. VOR A, AMDT 3...DELETE  
NOTE: USE BURNET MUNI KATE CRADDOCK FIELD ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE  
BURNET ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND  
CIRCLING CAT B VISIBILITY 1/4 MILE. CHART TAKEOFF MINIMUMS  
SYMBOL. THIS IS VOR A, AMDT 3A.

FDC 9/8985 5B2 FI/P SARATOGA COUNTY, SARATOGA SPRINGS, NY. RNAV  
(GPS) RWY 23, AMDT 1...CHART VDP AT 1.22 MILES TO RW23 (ASTERISK).  
CHART NOTE: VDP NA WHEN USING ALBANY ALTIMETER SETTING.  
DELETE NOTE: CIRCLING TO RWY 5/23 NA AT NIGHT. THIS IS RNAV (GPS)  
RWY 23, AMDT 1A.

FDC 9/8994 2A9 FI/P KOTLIK, KOTLIK, AK. RNAV (GPS) RWY 2, ORIG-A...LNAV  
CAT A/B MDA 500/HAT 485. CIRCLING CAT A/B MDA 560/HAA 545. THIS IS  
RNAV (GPS) RWY 2, ORIG-B.

FDC 9/9048 LGB FI/P LONG BEACH/DAUGHERTY FIELD, LONG BEACH, CA.  
VOR OR TACAN RWY 30, AMDT 8A...MISSED APPROACH: CLIMBING LEFT  
TURN TO 2500 VIA HEADING 200 AND LAX R-145 TO PADDR INT/LAX 22 DME  
AND HOLD. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
DELETE VDP. SLI VORTAC TO RW30: 2.80/70. THIS IS VOR OR TACAN RWY  
30, AMDT 8B.

FDC 9/9049 LGB FI/P LONG BEACH/DAUGHERTY FIELD, LONG BEACH, CA.  
ILS OR LOC RWY 30, AMDT 32D...S-ILS 30 DA 250/HAT 212 ALL CATS. S-LOC  
30 MDA 520/HAT 482 ALL CATS. MISSED APPROACH: CLIMB TO 800 THEN  
CLIMBING LEFT TURN TO 2600 VIA HEADING 200 AND LAX R-145 TO PADDR  
INT/LAX 22 DME AND HOLD. THIS IS ILS OR LOC RWY 30,, AMDT 32E.

FDC 9/9058 ONP FI/P NEWPORT MUNI, NEWPORT, OR. VOR/DME RWY 34,  
AMDT 1...TERMINAL ROUTE FROM JANAS/17.00 DME TO TULBE/17.00 DME:  
MINIMUM ALTITUDE 3700. THIS IS VOR/DME RWY 34, AMDT 1A.

FDC 9/9062 GOO FI/P NEVADA COUNTY AIR PARK, GRASS VALLEY, CA. GPS  
RWY 7, ORIG...DELETE CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING  
ON CTAF, WHEN NOT RECEIVED, USE BLUE CANYON ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE  
EMIGRANT GAP ALTIMETER SETTING. CHART VDP AT 0.86 NM TO OGLUY.  
S-7 MDA 3540/HAT 412 CATS A/B/C. VIS CAT C 1 1/4. CHANGE BLUE CANYON  
ALTIMETER SETTING MINIMUMS TO EMIGRANT GAP ALTIMETER SETTING  
MINIMUMS. EMIGRANT GAP ALTIMETER SETTING: S-7 MDA 3880/HAT 752.  
VIS CAT A 1, CAT B 1 1/4, CAT C 2 1/4. THIS IS GPS RWY 7, ORIG-A.

FDC 9/9064 GOO FI/P NEVADA COUNTY AIR PARK, GRASS VALLEY, CA. VOR OR GPS A, AMDT 1...DELETE CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BLUE CANYON ALTIMETER SETTING; WHEN NEITHER IS RECEIVED, PROCEDURE NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EMIGRANT GAP ALTIMETER SETTING. THIS IS VOR OR GPS A, AMDT 1A.