

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH		
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA	LNAV/VNAV: DA	LNAV: RW21
WINNS	ZUBAG (FB)	147.15 / 8.05	6000	CLIMB TO 6000 DIRECT ZAPNA AND HOLD.		
ZUBAG (IAF)	CONOG (NOPT) (FB)	147.86 / 7.04	6000			
RUKTE (IAF)	CONOG (NOPT) (FB)	303.01 / 11.26	6000	ADDITIONAL FLIGHT DATA: HOLD SW, RT, 033.20 INBOUND. CHART FAS OBST: 3790 TOWER 331400N/1024805W CHART HOBBS AWOS-3 DISTANCE TO THLD FROM 342 HATH: 0.95 NM. WAAS CHANNEL # 99533 REFERENCE PATH ID: W21A CHART CIRCLING ICON. LTP HAE: 1106.8 M		
CONOG (IF/IAF)	ODNEE (FB)	213.36 / 6.13	5300			
ODNEE (FAF)	YOKGU/2.00 NM TO RW21 (FB)	213.31 / 2.88				
YOKGU/2.00 NM TO RW21	RW21 (MAP) (FO)	213.31 / 2.00				
RW21 (MAP)	4047 MSL	213.31				
4047 MSL	ZAPNA (FO)		6000			

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE CONOG, RT, 213.36 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
- FAC: 213.31 FAF: ODNEE DIST FAF TO MAP: 4.88 THLD: 4.88
- MIN. ALT: CONOG 6000, ODNEE 5300, YOKGU/2.00 NM TO RW21 4380*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 5300 GS ALT AT: ODNEE 5300 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM: RW21 5500

MAG VAR: 7E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A | X |

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4047	1 1/8	342	4047	1 1/8	342		NA			NA				
LNAV/VNAV DA	4047	1 1/8	342	4047	1 1/8	342		NA			NA				
LNAV MDA	4140	1	435	4140	1	435		NA			NA				
CIRCLING	4200	1	495	4260	1	555		NA			NA				

NOTES:

CHART NOTE: BARO-VNAV NA.

CHART NOTE: USE HOBBS ALTIMETER SETTING; WHEN NOT RECEIVED, USE SEMINOLE ALTIMETER SETTING;
INCREASE LPV AND LNAV/VNAV DA TO 4088 AND CATS A/B VISIBILITY TO 1 3/8 MILE; INCREASE ALL MDAS 60 FT.

(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 3705 THRE: 3705	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 21, AMDT 1	AMDT: ORIG
	YOAKUM COUNTY		22 AUGUST 2013	DATED 09/25/2008

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

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

NOTES, (CONT.):
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WINNS ON V14 WESTBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RUTKE ON V102 NORTHEAST BOUND.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 *LNAV ONLY
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



CITY AND STATE PLAINS, TX	ELEVATION: 3705 THRE: 3705	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	SUP:
	AIRPORT NAME: YOAKUM COUNTY			AMDT: ORIG
				DATED: 09/25/2008

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	F98
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	331321.9355N
LTP/FTP LONGITUDE	1024917.8930W
LTP/FTP ELLIPSOIDAL HEIGHT	+11068
FPAP LATITUDE	331213.8270N
FPAP LONGITUDE	1025026.5465W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER CC595777

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+11292
FPAP ORTHOMETRIC HEIGHT	+11292



CITY AND STATE PLAINS, TX	ELEVATION: 3705	THRE: 3705	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	SUP:
	AIRPORT NAME: YOAKUM COUNTY				AMDT: ORIG
					DATED: 09/25/2008

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

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

	SUSAP F98 K4SRW21 K4PG	0	18018005525	M									

CITY AND STATE PLAINS, TX	ELEVATION: 3705 THRE: 3705	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: YOAKUM COUNTY		RNAV (GPS) RWY 21, AMDT 1	AMDT: ORIG
			22 AUGUST 2013	DATED: 09/25/2008

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CONOG	CONOG	010	IAF	HF	R	FO		213.4 (220.4T)	005.0	AA 06000	
	RUKTE	RUKTE	010	IAF	IF		FB					
	RUKTE	CONOG	020		TF		FB	1.0	303.0 (310.0T)	011.3	AA 06000	
	WINNS	WINNS	010		IF		FB					
	WINNS	ZUBAG	020	IAF	TF		FB	2.0	147.2 (154.2T)	008.1	AA 06000	
	WINNS	CONOG	030		TF		FB	1.0	147.9 (154.9T)	007.0	AA 06000	
		CONOG	010	FACF	IF		FB				AA 06000	
		ODNEE	020	FAF	TF		FB	0.5	213.4 (220.4T)	006.1	AA 05300	
		YOKGU	021	SDF	TF		FB	0.3	213.3 (220.3T)	002.9	AA 04380 GS 04382	
		RW21	030	MAP	TF		FO	0.3	213.3 (220.3T)	002.0	AT 03745	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		213.3 (220.3T)		AA 04047	
	ZAPNA	050		DF		FO				AA 06000	
	ZAPNA	060		HM	R	FO		033.2 (040.2T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CONOG	N332146.57	W1024047.96	N3321.776	W10240.799
	ODNEE	N331705.84	W1024531.92	N3317.097	W10245.532
	RUKTE	N331431.86	W1023030.10	N3314.531	W10230.502
	WINNS	N333524.92	W1024833.77	N3335.415	W10248.563
	YOKGU	N331453.65	W1024745.38	N3314.894	W10247.756
	ZAPNA	N330412.54	W1025830.65	N3304.209	W10258.511
	ZUBAG	N332809.54	W1024422.12	N3328.159	W10244.369
	RW21	N331321.94	W1024917.89	N3313.366	W10249.298

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	03705	40

CITY AND STATE PLAINS, TX	ELEVATION: 3705	THRE: 3705	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: YOAKUM COUNTY		RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG
					DATED: 09/25/2008