

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

<u>AIRPORT</u> MC CURTAIN COUNTY RGNL	<u>AIRPORT ID</u> K4O4	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> IDABEL	<u>STATE</u> OK
<u>AIRPORT ELEVATION</u> 472	<u>TDZE</u> 472	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 06/10/2004	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2005

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 290/30 CW 110/30	NOPT	RUVOC	IF/IAF	2500
2. 110/30 CW 200/30		110/20 CW 200/20		2800
3. 110/20 CW 200/20		TIPUC	IAF	2500
4. 200/30 CW 290/30		200/20 CW 290/20		2600
5. 200/20 CW 290/20		PIVIE	IAF	2500

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
TIPUC	IAF	RUVOC	NOPT	TF	FB	1.00	110.06	5.00	2500
PIVIE	IAF	RUVOC	NOPT	TF	FB	1.00	290.16	5.00	2500
RUVOC	IF/IAF	WOSAT		TF	FB	1.00	020.11	6.01	2100
WOSAT	FAF	FANOD/1.60 NM TO RW02		TF	FB	0.30	020.14	3.40	
FANOD/1.60 NM TO RW02		RW02	MAP	TF	FO	0.30	020.14	1.60	
RW02	MAP	800 MSL		CA			020.14		
800 MSL		ZUTEM		DF	FO	1.00			3000



MISSED APPROACH

MAP:

LP: RW02
LNAV: RW02

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ZUTEM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)			
2. HOLD S RUVOC, RT, 020.11 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.							
3. FAC:	020.14	FAF: WOSAT	DIST FAF TO MAP: 4.99	DIST FAF TO THLD: 4.99			
4. MIN ALT: RUVOC 2500, WOSAT 2100, FANOD/1.60 NM TO RW02 1020							
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:			
6. MIN GP INCPT:	GP ALT AT FAF :			OM:	MM:	IM:	
7. GP ANGLE:	34:1: IS CLEAR	20:1: IS CLEAR	TCH:				
8. MSA FROM:							

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PLANVIEW NOTE AT PIVIE: MAX 200 KIAS.
CHART PLANVIEW NOTE AT TIPUC: MAX 200 KIAS.
CHART PLANVIEW NOTE AT RUVOC: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
WOSAT TO RW02: 3.00/40.
CHART VDP AT 0.90 NM TO RW02
WAAS CHANNEL #63042
REFERENCE PATH ID: W02A
CHART FAS OBST: 534 TREE 335408N/0945157W, 565 TREE 335405N/0945112W.
HOLD N, RT, 200.22 INBOUND
LTP HAE: 116.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD



CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LP MDA	800	1	328	800	1	328	800	1	328		NA				
LNAV MDA	820	1	348	820	1	348	820	1	348		NA				
CIRCLING	1020	1	548	1020	1	548	1100	1 3/4	628		NA				

CHANGES - REASONS

1. ADDED 20:1 SURFACE CLEAR NOTE - IAW 8260.19H 8-6-7 (G(3)). RNAV PROCEDURES WILL STATE WHETHER THE 34:1/20:1 SURFACES ARE CLEAR.
2. MISSED APPROACH CLEARANCE LIMIT ALTITUDE WAS RAISED FROM 2900 TO 3000 - APPROACH TO RUNWAY 20 RAISED THE HOLD-IN-LIEU ALTITUDE AND CAUSED THE MISSED APPROACH TO RISE TOO.
3. ADDED WAAS CHANNEL/REFERENCE PATH ID IN ADDITIONAL DATA - IAW 8260.19H 8-6-10 (J(2)) REQUIRED RNAV DATA FOR LPV/LP PROCEDURES.
4. ADDED CHART CIRCLING ICON - IAW 8260.19H 8-6-10 (T) DOCUMENTATION FOR CHARTING THE NEW CIRCLING CRITERIA IN 8260.3C.
5. CHANGED VDP DISTANCE FROM 1.16NM TO 0.90NM - UPDATED CALCULATION.
6. CHANGED INTERMEDIATE RNP VALUE FROM 0.5 TO 1.0 - IAW 8260.58A TABLE 1-2-1 NAVIGATION ACCURACY BY PHASE OF FLIGHT.
7. ADDED STEPDOWN SEGMENT IN FINAL - IAW 8260.3C 2-9-9 (C(4B)) STEPDOWN FIX USED TO ACHIEVE A DECREASE IN MDA OF AT LEAST 60 FT.
8. ADDED CHART PLANVIEW NOTES FOR SPEED RESTRICTIONS AT THE WPS PIVIE, TIPUC AND RUVOC - PREVENT THE NEED FOR AN ENVIRONMENTAL STUDY AT AN AIRPORT REMAINING CAT A-C ONLY.
9. CHANGED LNAV CAT A/B MINS FROM 880 MDA / 408 HAT TO 820 MDA / 348 HAT, LNAV CAT C FROM 880 MDA /1 1/4 SM / 408 HAT TO 820 MDA /1 SM / 348 HAT - IMPROVED AIRPORT OBSTACLE SURVEY.
10. CHANGED CIRCLING CAT C MINS FROM 1020 CMDA/ 1 1/2 VIS TO 1100 CMDA/ 1 3/4 VIS - INCREASED CIRCLING RADIUS APPLIED.
11. DELETED CHART NOTES: "GPS OR RNP-0.3 REQUIRED" AND "DME/DME RNP-0.3 NA" - IAW 8260.19H 8-6-8 (A).
12. ADDED PBN REQUIREMENTS NOTE "RNP APCH" - IAW 8260.19H 8-6-8 (B(1)).
13. ADDED ALTERNATE MINIMUMS - AIRPORT INFORMATION UPDATED WITH A WMSCR WEATHER SOURCE.
14. ADDED LP LINE OF MINIMA - PER AIRPORT REQUEST FOR WAAS CABABILITY.
15. DELETED BACK-UP ALTIMETER NOTE AND VDP NA NOTE - IAW 8260.19H 8-6-9 (E(9)) & (F(3))
16. CHANGED FAS OBSTACLE FROM 609 TREE TO 534 AND 565 TREE - NEW OBSTACLE EVALUATION/IMPROVED OBSTACLE SURVEY/LP MINIMUMS ADDED.

09/05/2018: THIS IS AN UPDATE COPY OF THE FORM DEVELOPED ON 06/08/2018

1. UPDATED FPAP COORDINATES FROM 335333.0175N-0945103.2655W TO 335533.0165N-0945103.2630W

2. CRC REMAINDER UPDATED FROM 1BD90076 TO 37A8A80A



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<u>COORDINATED WITH:</u>					
A4A ☐ ALPA ☐ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZFW, ST. AV. DIR., AMGR					
<u>FLIGHT CHECKED BY</u> GREGORY MILLS		Digitally signed by DAVID TEFFETELLER Sep 05, 2018	<u>OFFICE</u> FICO	<u>DATE</u> 10/2/18	
<u>DEVELOPED BY</u> SCOTT BAGENSIE		Digitally signed by DAVID TEFFETELLER Sep 05, 2018	<u>OFFICE</u> AJV-5433	<u>DATE</u> 06/08/2018	
<u>APPROVED BY</u> PATRICK MULQUEEN		Digitally signed by DAVID TEFFETELLER Sep 05, 2018	<u>OFFICE</u> AJV-5430	<u>DATE</u>	<u>TITLE</u> MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4O4
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	335410.9530N
LTP/FTP LONGITUDE	0945145.3780W
LTP/FTP ELLIPSOIDAL HEIGHT	+01161
FPAP LATITUDE	335533.0165N
FPAP LONGITUDE	0945103.2630W
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	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	37A8A80A
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01437
FPAP ORTHOMETRIC HEIGHT	+01437

