

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 20	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> IDABEL	<u>STATE</u> OK
<u>AIRPORT ELEVATION</u> 472	<u>TDZE</u> 463	<u>SUPERSEDED</u> RNAV (GPS) RWY 20	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 10/13/2016	<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. 110/30 CW 290/30	NOPT	110/15 CW 290/15		3800
2. 110/15 CW 290/15		ZUTEM	IF/IAF	3000
3. 290/30 CW 020/30		WANIL	IAF	3000
4. 020/30 CW 110/30		YIDNU	IAF	3000

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>
WANIL	IAF	ZUTEM	NOPT	TF	FB	1.00	290.27	5.00	3000
YIDNU	IAF	ZUTEM	NOPT	TF	FB	1.00	110.17	5.00	3000
ZUTEM	IF/IAF	WIRED		TF	FB	1.00	200.22	6.00	2300
WIRED	FAF	GRECO/3.20 NM TO RW20		TF	FB	0.30	200.20	2.44	
GRECO/3.20 NM TO RW20		RW20	MAP	TF	FO	0.30	200.20	3.20	
RW20	MAP	820 MSL		CA	FO		200.20		
820 MSL		RUVOC		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LP: RW20
 LNAV: RW20

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT RUVOC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD N ZUTEM, RT, 200.22 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 200.20FAF: WIREDDIST FAF TO MAP: 5.64DIST FAF TO THLD: 5.64

4. MIN ALT: ZUTEM 3000, WIRED 2300, GRECO/3.20 NM TO RW20 1520

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:MM:IM:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE AT YIDNU: MAX 200 KIAS.
CHART PLANVIEW NOTE AT WANIL: MAX 200 KIAS.
CHART PLANVIEW NOTE AT ZUTEM: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

CHART 750 TOWER 335957N/0944727W
CHART CIRCLING ICON.
WIRED TO RW20: 3.00/41.
CHART VDP AT 1.00 NM TO RW20
WAAS CHANNEL #69442
REFERENCE PATH ID: W20A
CHART FAS OBST: 564 PWR LINE 335530N/0945053W, 582 TREE 335528N/0945031W.
HOLD S, RT, 020.11 INBOUND
LTP HAE: 112.6 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	820	1	357	820	1	357	820	1	357		NA				
LNAV MDA	840	1	377	840	1	377	840	1	377		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. CHANGED HOLD-IN-LIEU AND INITIALS ALTITUDE FROM 2900 TO 3000 - IAW 8260.19H 3-3-2 (B-NOTE) THE ROUNDING PROCESS FOR ROC WILL NOT BE LESS THAN THE REQUIRED.
- 3. ADDED WAAS CHANNEL AND REFERENCE PATH ID IN ADDITIONAL DATA - IAW 8260.19H 8-6-10 (J(2)) REQUIRED RNAV DATA FOR LPV/LP PROCEDURES.
- 4. CHANGED FINAL APPROACH COURSE FROM 200.19 TO 200.20 - UPDATED AIRPORT SURVEY.
- 5. ADDED CHART CIRCLING ICON NOTE - IAW 8260.19H 8-6-10 (T) DOCUMENTATION FOR CHARTING THE NEW CIRCLING CRITERIA IN 8260.3C.
- 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 YIDNU, WANIL AND ZUTEM - PREVENT THE NEED FOR AN ENVIRONMENTAL STUDY AT AN AIRPORT REMAINING CAT A-C ONLY.
- 9. CHANGED LNAV CAT A/B MINS FROM 960 MDA /496 HAT TO 840 MDA /377 HAT, LNAV CAT C FROM 960 MDA /1 1/4 SM/ 496HAT TO 840 MDA/ 1 SM/ 377HAT - 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. ADDED PBN REQUIREMENTS NOTE "RNP APCH" - IAW 8260.19H 8-6-8 (B(1)).
- 12. ADDED HELICOPTER VISIBILITY REDUCTION NA NOTE - UPDATED AIRPORT SURVEY IDENTIFIED 34:1 PENETRATIONS.
- 13. ADDED ALTERNATE MINIMUMS - AIRPORT INFORMATION UPDATED WITH WMSCR WEATHER SOURCE.
- 14. DELETED BACK-UP ALTIMETER AND VDP NA NOTES - IAW 8260.19H 8-6-9 (E(9)) & (F(4)) CONTINGENCY NOTES FOR WMSCR IDENTIFIED WEATHER REPORTING STATIONS.
- 15. ADDED LP LINE OF MINIMA - PER AIRPORT REQUEST TO ADD WAAS CAPABILITY.
- 16. CHANGED VDP FROM 1.44NM TO 1.00NM - UPDATED CALCULATIONS FROM LOWER MINIMUM.
- 17. CHANGED FAS OBSTACLES FROM 619 TREE TO 564 PWR LINE AND 582 TREE - NEW CONTROLLING OBSTACLES FROM UPDATED AIRPORT SURVEY AND ADDED LP LINE OF MINIMA.

6/27/18: D. TEFFETELLER - PDF EDIT IN ADDITIONAL FLIGHT DATA CHANGING VDP DISTANCE FROM 1 NM TO 1.00 NM



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<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> OTHER: ZFW, ST. AV. DIR., AMGR					
<u>FLIGHT CHECKED BY</u> GREGORY MILLS			<i>Digitally signed by</i> <u>OFFICE</u> DAVID TEFFETELLER <u>DATE</u> FICO Oct 10, 2018 10/2/18		
<u>DEVELOPED BY</u> SCOTT BAGENSIE			<i>Digitally signed by</i> SCOTT BAGENSIE Jun 25, 2018		
<u>APPROVED BY</u> PATRICK MULQUEEN			<i>Digitally signed by</i> DAVID TEFFETELLER Oct 10, 2018		
			<u>OFFICE</u> AJV-5433		
			<u>DATE</u> 06/08/2018		
			<u>TITLE</u> MANAGER		



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4O4
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	335456.4495N
LTP/FTP LONGITUDE	0945122.0325W
LTP/FTP ELLIPSOIDAL HEIGHT	+01126
FPAP LATITUDE	335334.3880N
FPAP LONGITUDE	0945204.1475W
THRESHOLD CROSSING HEIGHT (TCH)	00041.0
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	473AF0BA
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01403
FPAP ORTHOMETRIC HEIGHT	+01403

