

**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.

AIRPORT ID 404	PROCEDURE NAME RNAV (GPS) RWY 20	ORIGINAL/AMENDMENT 2	CITY IDABEL	STATE OK
AIRPORT ELEVATION 472	TDZE 463	SUPERSEDED RNAV (GPS) RWY 20	DATED 08/11/2022	MAG VAR 3E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 12 JUNE 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2005
				CANCEL/SUSPEND

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
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

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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	200.19	2.45	
GRECO/3.20 NM TO RW20		RW20	MAP	TF	FO	0.30	200.19	3.20	
RW20	MAP	713 MSL		CA			200.19		
713 MSL		RUVOC		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
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: | 200.19 | FAF: | WIRED | DIST FAF TO MAP: | 5.65 | DIST FAF TO THLD: | 5.65 | |
| 4. MIN ALT: | ZUTEM 3000, WIRED 2300, GRECO/3.20 NM TO RW20 1520 | | | | | | | |
| 5. DIST TO THLD FROM OM: | | MM: | | IM: | | 150 HAT: | | 250 HAT: 0.66 |
| 6. MIN GP INCPT: | 2300 | GP ALT AT PFAF: | WIRED 2300 | | | OM: | | GS ANT: |
| 7. GP ANGLE: | 3.00 | 34:1: | IS NOT CLEAR | 20:1: | IS CLEAR | TCH: | 41.0 | MM: |
| 8. MSA FROM: | | | | | | | | IM: |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
 CHART SPEED ICON IN PLANVIEW AT YIDNU: MAX 200 KIAS.
 CHART SPEED ICON IN PLANVIEW AT WANIL: MAX 200 KIAS.
 CHART SPEED ICON IN PLANVIEW AT ZUTEM: MAX 180 KIAS.
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, AND LNAV CAT A AND B.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT C VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 020.11 INBOUND.
 CHART FAS OBST: 660 TANK (40-086536) 335437N/0945049W.
 CHART VDP AT 1.43 NM TO RW20.
 WAAS CHANNEL # 69442
 REFERENCE PATH ID: W20A
 CHART CIRCLING ICON.
 LTP HAE: 112.6 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	713	1	250	713	1	250	713	1	250		NA					
LNAV/VNAV DA	913	1 1/8	450	913	1 1/8	450	913	1 1/8	450		NA					
LNAV MDA	960	1	497	960	1	497	960	1 1/4	497		NA					
CIRCLING	1020	1	548	1020	1	548	1100	1 3/4	628		NA					



CHANGES - REASONS

1. MINIMUMS:REMOVED LP MINIMUMS.- PER ATC REQUEST
2. MINIMUMS:ADDED LPV, LNAV/VNAV MINIMA - PER ATC REQUEST
3. MINIMUMS: LNAV CHANGED VIS CAT C FROM 1 3/8 TO 1 1/4 - PER 8260.3F, TABLE 3-3-1.
4. PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" - PER 8260.19J, 8-6-8
5. VDP CHANGED FROM VDP 1 DME TO VDP AT 1.43 DME - CHANGED POINT OF INTERSECTION PER 8260.3F.
6. ADDITIONAL FLIGHT DATA: CHANGED FROM CHART FAS OBST: "564 PWR LINE 335530N/0945053W" TO "660 TANK (04-0866536) 335437N/0945049W" - NEW CONTROLLING OBSTACLE.
7. ADDITIONAL FLIGHT DATA: DELETED CHART 750 TOWER 335957N/0944727W - NO LONGER A FACTOR.
ADDITIONAL FLIGHT DATA: REMOVED WIRED TO RW20: 3.00/41 - LPV AND LNAV/VNAV MINS ADDED
8. CHART NOTE: ADDED FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C. - ADDED LNAV/VNAV MINIMUMS TO PROCEDURE.
9. TERMINAL ROUTES: CHANGED LNAV FINAL DISTANCE FROM WIRED TO GRECO FROM 2.44 TO 2.45 – PFAF RELOADED DUE TO NEW TARGETS EVALUATION.
10. TERMINAL ROUTES: CHANGED CA FROM 960 MSL TO 713 MSL - BASED ON ADDING LPV MINIMUMS.
11. MAP: REMOVED LP: RW02 AND ADDED LPV:DA, LNAV/VNAV: DA - REMOVED LP AND ADDED LNAV/VNAV LINE OF MINS.
ADDED.
12. PROFILE LINE 3: CHANGED FAC FROM 200.20 TO 200.19 -- PFAF ALIGNED TO FAC/RELOCATED BASED ON RS (TARGETS)EVALUATION.
13. PROFILE LINE 3: CHANGED DIST PFAF TO THLD FROM 5.64 TO 5.65 -- PFAF RELOCATED DUE TO TARGETS EVALUATION.
14. PROFILE LINE 5: ADDED 250 HAT 0.66 - LPV AND LNAV/VNAV MINS ADDED.
15. PROFILE LINE 6: ADDED MIN GP INCPT 2300 AND GP ALT AT PFAF WIRED 2300 - ADDED LPV AND LNAV/VNAV LINE OF MINS
16. FAS DATA BLOCK INFORMATION: LENGTH OFFSET CHANGED FROM "1232" TO "1224", VERTICAL ALERT LIMIT (VAL) CHANGED FROM "0.0" TO "50". – ADDED LPV LINE OF MINIMA.
17. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM 473AF0BA TO 33B2180D. – FPAP LAT/LONG CHANGED FROM "335334.3880N/0945204.1475W" TO "335334.3840N/0945204.1370W", AND REMOVED LP MINIMUMS, ADDED LPV, LNAV/VNAV MINIMA. PER ATC/FPT CHECKLIST
18. ALTERNATE MINIMUMS: ADDED NA WHEN LOCAL WEATHER NOT AVAILBLE - PER 8260.19J

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZFW, AMGR,

FLIGHT CHECKED BY

Digitally signed by

ERIC N SUSKI

Mar 19, 2025

OFFICE

AJF

DATE

03/18/2025

EDWARD W MESA

DEVELOPED BY

Digitally signed by

ERIC N SUSKI

Mar 19, 2025

OFFICE

AJV-33

DATE

LIAM DONAHUE (RONI SECAIDA)

APPROVED BY

Digitally signed by

ERIC N SUSKI

Mar 19, 2025

OFFICE

AJV-33

DATE

TITLE
MANAGER

JOHN BORDY



AIRPORT ID
404

PROCEDURE NAME
RNAV (GPS) RWY 20

ORIGINAL/AMENDMENT
2

CITY
IDABEL

STATE
OK

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	404
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	335334.3840N
FPAP LONGITUDE	0945204.1370W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 33B2180D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01403
FPAP ORTHOMETRIC HEIGHT	+01403

