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	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
3004	2980	RNAV (GPS) RWY 29	ORIG-B	11/04/2021	8E	2000

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
RNAV			ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OHARA		WAGVO		TF	FB	1.00	060.96	10.90	5000
WAGVO	IAF	JEMBI		TF	FB	1.00	022.81	6.37	5000
JOKES	IAF	JEMBI		TF	FB	1.00	249.21	17.71	5000
JEMBI	IF	FODGA		TF	FB	1.00	292.84	6.02	4700
FODGA	FAF	HUDUP/2.01 NM TO RW29		TF	FB	0.30	292.79	3.27	
HUDUP/2.01 NM TO RW29		RW29	MAP	TF	FO	0.30	292.79	2.01	
RW29	MAP	3230 MSL		CA			292.79		
3230 MSL		KIMTE		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT KIMTE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. PROFILE STARTS AT JEMBI
3. **FAC:** 292.79 **FAF:** FODGA **DIST FAF TO MAP:** 5.28 **DIST FAF TO THLD:** 5.28
4. **MIN ALT:** JEMBI 5000, FODGA 4700, HUDUP/2.01 NM TO RW29 3660
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.66 **GS ANT:**
6. **MIN GP INCPT:** 4700 **GP ALT AT PFAF:** FODGA 4700 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 40.0
8. **MSA FROM:** RW29 5500

QUALITY 8 CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART NOTE: CIRCLING NA E OF RWY 02 AND W OF RWY 34.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OHARA ON V81 SOUTHWEST BOUND
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JOKES ON V68 SOUTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 112.63 INBOUND.
CHART FAS OBST: 3144 TOWER (48-010099) 315506N/1022206W.
CHART VDP AT 1.19 NM TO RW29.
WAAS CHANNEL # 86318
REFERENCE PATH ID: W29A
LTP HAE: 884.2 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	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	3230	3/4	250	3230	3/4	250	3230	3/4	250	3230	3/4	250			
LNAV/VNAV DA	3414	1	434	3414	1	434	3414	1	434	3414	1	434			
LNAV MDA	3400	3/4	420	3400	3/4	420	3400	1	420	3400	1	420			
CIRCLING	3460	1	456	3460	1	456	3600	1 1/2	596	3600	2	596			

CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED RNP VALUE FOR FEEDER SEGMENT FROM OHARA TO WAGVO FROM “2.00 RNP” TO “1.00 RNP.” – UPDATED TO CURRENT CRITERIA. IAW 8260.58C 3-1-2.
2. TERMINAL ROUTES: CHANGED RNP VALUE FOR INTERMEDIATE SEGMENT FROM JEMBE TO FODGA FROM “0.50 RNP” TO “1.00 RNP.”– UPDATED TO CURRENT CRITERIA. IAW 8260.58C 3-1-4.
3. TERMINAL ROUTES: OHARA TO WAGVO COURSE CHANGED FROM "056.91" TO "060.96." LENGTH CHANGED FROM “12 NM” TO “10.90 NM.” WAGVO WAS MOVED 8324.19 FT SOUTHWEST FROM "314457.38N/1021411.36W" TO "314346.63N/102150.73W." - MOVED WAGVO TO SUPPORT ATC VECTORS PER CURRENT CRITERIA.
4. TERMINAL ROUTES: WAGVO TO JEMBI LENGTH CHANGED FROM “5.00 NM” TO “6.37 NM.” WAGVO WAS MOVED 8324.19 FT SOUTHWEST FROM "314457.38N/1021411.36W" TO "314346.63N/102150.73W" - WAGVO MOVED TO SUPPORT ATC VECTORS PER CURRENT CRITERIA.
5. TERMINAL ROUTES: JEMBI TO FODGA LENGTH CHANGED FROM “6.10” TO “6.02.” FODGA WAS MOVED 452.70 FT SOUTHEAST FROM “315223.37N/1021719.92W” TO “315221.06N/1021715.42W” – LENGTH CHANGED DUE TO NEW PFAF LOCATION.
6. TERMINAL ROUTES: FODGA TO HUDUP LENGTH CHANGED FROM “3.20” TO “3.27.” FODGA WAS MOVED 452.70 FT SOUTHEAST FROM “315223.37N/1021719.92W” TO “315221.06N/1021715.42W” - FODGA MOVED TO REALIGN TO 3.0 GPA.
7. TERMINAL ROUTES: HUDUP TO RW29 LENGTH CHANGED FROM “2.00” TO “2.01.” HUDUP WAS MOVED 67.24 FT SOUTHEAST FROM “315401.87N/1022033.79” TO “315401.52N/1022033.13W” – HUDUP MOVED TO REALIGN TO RETAIN STEPDOWN FIX AT 3660.
8. MINIMUMS: RAISED LPV DA/HAT FROM “3180/200” TO “3230/250” - NEW CONTROLLING OBSTACLE 3009 POLE (48-205219) 315453.7700N/1022223.4500W (4D).
9. MINIMUMS: LOWERED LNAV/VNAV VISIBILITIES ALL CATS FROM “1 1/2” TO “1” – 8260.3G TABLE 3-3-1 APPLIED.
10. MINIMUMS: LOWERED LNAV VISIBILITIES CAT A AND B FROM “1" TO “3/4” AND CAT C AND D FROM “1 1/4” TO “1” - 8260.3G TABLE 3-3-1 APPLIED.
11. PROFILE LINE 4: REMOVED ASTERISK FROM STEPDOWN ALTITUDE. - NOT REQUIRED PER CURRENT CRITERIA.
12. CHART NOTE: CHANGED “BARO-VNAV NA WHEN USING MIDLAND INTL ALTIMETER SETTING” TO “BARO-VNAV NA WHEN USING MAF.” – CURRENT DOCUMENTATION STANDARDS.
13. CHART NOTE: CHANGED FROM “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 43°C” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C.” - IAW 8260.19J, 8-6-9 (R).
14. CHART NOTE: BACKUP ALTIMETER NOTE CHANGED FROM “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MIDLAND INTL AIR AND SPACE PORT ALTIMETER SETTING AND INCREASE ALL DAS 41 FEET AND ALL MDAS 60 FEET AND INCREASE LNAV CATS C AND D VISIBILITY 1/8 SM, CIRCLING CAT C VISIBILITY 1/4 SM” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAF ALTIMETER SETTING AND INCREASE LPV DA TO 3271 FEET INCREASE LNAV/VNAV DA TO 3455 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.” - FORMAT PER 8260.19J 8-6-11 F(4).
15. CHART NOTE: ADDITIONAL FLIGHT DATA: REMOVED "*LNAV ONLY." - NOT REQUIRED PER CURRENT CRITERIA.
16. NOTES: CHANGED CHART PLANVIEW NOTE: FROM “PROCEDURE NA FOR ARRIVALS AT OHARA ON V81 SOUTHWEST BOUND AND ARRIVALS AT JOKES ON V68 SOUTHEAST BOUND” TO “PROCEDURE NA FOR ARRIVALS AT OHARA ON V81 SOUTHWEST BOUND” AND TO “PROCEDURE NA FOR ARRIVALS AT JOKES ON V68 SOUTHEAST BOUND” - SEPARATED NOTES IAW 8260.19K AND MEMO #290 ATTACHMENT 4 PARA 8.
17. NOTES: RELOCATED BACKUP ALTIMETER, AND ASSOCIATED NOTES TO 8260-9 IN GENERAL REMARKS - FOR CONTINGENCY PURPOSES IAW 8260.19K, 8-6-9 (F)(3).
18. FAS DATA: UPDATED CRC REMAINDER CHANGED FROM “7F958A2B” TO “9142CB18”– DUE TO FPAP LAT/LONG UPDATE FROM “315548.9800N/1022404.9400W” TO “315548.9850N/1022404.9340W” – NEW SURVEY DATA/NEW TARGETS EVALUATION.
19. FAS DATA: VERTICAL ALERT LIMIT CHANGED FROM “35.0” TO “50.0” – DUE TO A CHANGE IN DOCUMENTATION CRITERIA FOR LPV WITH A HAT OF 250 FT OR GREATER AS SPECIFIED IN IAW 8260.19K APPENDIX K 4.W.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, MAF APP CON, AMGR.

FLIGHT CHECKED BY	OFFICE	DATE

DEVELOPED BY	OFFICE	DATE
ALLAN WILL (LISA DUDZINSKI)	AJV-A33	07/03/2025

APPROVED BY	OFFICE	DATE	TITLE
KYLE THOMPSON	AJV-A33		MANAGER

QUALITY 8 CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KODO
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	315503.3500N
LTP/FTP LONGITUDE	1022234.9500W
LTP/FTP ELLIPSOIDAL HEIGHT	+08842
FPAP LATITUDE	315548.9850N
FPAP LONGITUDE	1022404.9340W
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	0864
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	9142CB18

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+09082
FPAP ORTHOMETRIC HEIGHT	+09082

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX	3004	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM	TO
OHARA	WAGVO

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	10.90				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-012457)	314035.47N/1022133.51W	3447	500	50	5D	1000				AT553	5000
TERRAIN	314124.00N/1022648.00W	3018 (3000)								AS1500	4500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM	TO
WAGVO	JEMBI

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	6.37				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-003969)	314740.44N/1021044.99W	3246	20	10	1B	1000				AT754	5000
TERRAIN	314521.00N/1021633.00W	2913 (2900)								AS1500	4400

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX	3004	RNAV

INITIAL

FROM	TO
JOKES	JEMBI

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	17.71				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-003969)	314740.44N/1021044.99W	3246	20	10	1B	1000				AT754	5000
TERRAIN	314718.00N/1021124.00W	2903 (2900)								AS1500	4400

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM	TO
JEMBI	FODGA

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	6.02				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-003969)	314740.44N/1021044.99W	3246	20	10	1B	500				AT954	4700
TERRAIN	315209.00N/1021609.00W	2906 (2900)								AS1500	4400

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX	3004	RNAV

FINAL: LPV

FROM	TO
FODGA	RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.28		DA	250	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
POLE (48-205219)	315453.77N/1022223.45W	3009	250	50	4D		34.00:1			AC50	3230

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM	TO
FODGA	RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.28		DA	434	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-010099)	315506.36N/1022205.88W	3144	20	10	1B	161				AC10 XP99	3414

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP ADJUSTMENT ADDED TO MAINTAIN PREVIOUS MINIMUMS.

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX	3004	RNAV

FINAL: LNAV

FROM	TO
FODGA	HUDUP/2.01 NM TO RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	3.27				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-011335)	315350.37N/1022015.51W	3285	20	10	1B	250				RA60 DG65	3660

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM	TO
HUDUP/2.01 NM TO RW29	RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	2.01		RW29	420	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-010099)	315506.36N/1022205.88W	3144	20	10	1B	250					3400

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX	3004	RNAV

MISSED APPROACH: LPV

FROM	TO
DA	KIMTE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					3043

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (48-185589)	320027.50N/1023040.20W	3390	250	50	4D	1000					4400
TERRAIN	315936.00N/1023609.00W	3149 (3100)								AS1500	4600

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM	TO
DA	KIMTE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					3253

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (48-185589)	320027.50N/1023040.20W	3390	250	50	4D	1000					4400
TERRAIN	315936.00N/1023609.00W	3149 (3100)								AS1500	4600

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX	3004	RNAV

MISSED APPROACH: LNAV

FROM	TO
RW29	KIMTE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					3300

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (48-185589)	320027.50N/1023040.20W	3390	250	50	4D	1000					4400
TERRAIN	315936.00N/1023609.00W	3149 (3100)								AS1500	4600

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING ☐ ALL CATS ☒ CAT A ☒ CAT B ☒ CAT C ☒ CAT D ☐ CAT E ☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (48-010099)	315506.36N/1022205.88W	1.35	456	3144	20	10	1B	300			3460
CATEGORY B											
TOWER (48-010099)	315506.36N/1022205.88W	1.92	456	3144	20	10	1B	300			3460
CATEGORY C											
TOWER (48-011335)	315350.37N/1022015.51W	3.02	596	3285	20	10	1B	300			3600
CATEGORY D											
TOWER (48-011335)	315350.37N/1022015.51W	3.96	596	3285	20	10	1B	300			3600

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW29	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (48-000653)	315917.57N/1025242.12W	272	26.0	4472	250	50	4D	1000			5500

MSA REMARKS:

QUALITY 8 CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX	3004	RNAV

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

USED 20 FT. TREE HEIGHT PER FPT.

TAA NOT DEVELOPED PER FPT REQUEST.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZFW ARTCC, MAF APP CON, SJT FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	ODO	FULL-TIME	ODO		Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	MAF	FULL-TIME	MAF	9.52	Y	41

WX REMARKS:

RASS PRESSURE PATTERNS SAME
KODO 3004, KMAF 2872
RA = 40.4

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW02 - MIRL (PCL), PAPI-2L	NPI-G	
RW11 - MALS (PCL), MIRL (PCL), PAPI-4L	NPI-G	
RW16 - MIRL (PCL), PAPI-2L	NPI-G	
RW20 - MIRL (PCL), PAPI-2L	NPI-G	
RW29 - MALS (PCL), MIRL (PCL), PAPI-4L	NPI-G	
RW34 - MIRL (PCL), PAPI-2L	NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	2979.5	40.0			3.00	40.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	[X]	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	[X]	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-20C	+54C	-20C	+9.05C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 996 HIGH TEMP 1314.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING KODO: RW16
20:1	
2999 TRAVERSE_WAY (48-045979) 315543.4900N/1022326.0100W (10.26)	2996 TRAVERSE_WAY (48-038900) 315542.3200N/1022329.3900W (9.11)
3001 TRAVERSE_WAY (48-038885) 315544.7200N/1022325.6500W (6.68)	2997 TRAVERSE_WAY (48-038884) 315543.7800N/1022329.7600W (2.57)
FINAL TYPE	CIRCLING KODO: RW20
20:1	
3013 TRAVERSE_WAY (48-122958) 315542.4200N/1022258.8600W (3.01)	
PENETRATIONS REMARKS:	
RWY 16 AND RWY 20 CIRCLING VISUAL AREA PENETRATIONS NO LONGER APPLY DUE TO THE ROADS THE VEHICLES WERE SURVEYED ON ARE NO LONGER ACTIVE PER THE AMGR.	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAF ALTIMETER SETTING AND INCREASE LPV DA TO 3271 FEET; INCREASE LNAV/VNAV DA TO 3455 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

CONTINGENCY NOTE: BARO-VNAV NA WHEN USING MAF ALTIMETER SETTING.

STANDARD TERMPERATURE USED - RECENT 3 YEAR STUDY MISSING MONTHLY DATA FOR 2023.

APPLIED AFS WAIVER TO ORDER 8260-58, UNITED STATES STANDARD FOR PBN INSTRUMENT PROCEDURE DESIGN, ON APPENDIX C PBN TRANSITION TO ILS/GLS/LPV.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ODO	RNAV (GPS) RWY 29	1	ODESSA	TX	3004	RNAV

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	**TO 1000FT POINT**	3.08
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.20
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	300.79
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	3000
DISTANCE FROM	THLD	**TO 1500FT POINT**	4.88
WIDTH OF	FINAL	**SEGMENT AT 1500FT POINT**	1.76
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1500FT POINT**	300.79
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1500FT POINT**	3000

THRESHOLD COORDINATES (IF STR-IN)	315503.35N/1022234.95W
ARP COORDINATES	315517.09N/1022313.68W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 29 DISTANCE 0.60 NM
FAF COORDINATES	315221.06N/1021715.42W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ALLAN WILL (LISA DUDZINSKI)	AJV-A33	07/03/2025	AERONAUTICAL INFORMATION SPECIALIST

QUALITY 8 CHECKED