

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: RW04 CLIMB TO 4700 DIRECT AYUPA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 224.76 INBOUND. CHART FAS OBST: 3050 TOWER 315349N/1021550W CHART: ASR DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.46 NM TO RW04* *LNAV ONLY. WAAS CHANNEL # 90529 REFERENCE PATH ID: W04A LTP HAE: 844.7 M									
TOKRE (IF/IAF)		DILBE (TF) (FB) (RNP 1.00)			044.56 / 7.24				4500											
DILBE (FAF)		RW04 (MAP) (TF) (FO) (RNP 0.30)			044.62 / 5.04															
RW04 (MAP)		3051 MSL (CA)			044.62				4700											
3051 MSL		AYUPA (DF) (FO) (RNP 1.00)																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW TOKRE, RT, 044.56 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: 044.62 FAF: DILBE DIST FAF TO MAP: 5.04 THLD: 5.04 4. MIN. ALT: TOKRE 5000, DILBE 4500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4500 GS ALT AT: DILBE 4500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: _____																	MAG VAR: 9E		EPOCH YEAR: 1985	
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD								
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	3051	3/4	200	3051	3/4	200	3051	3/4	200	3051	3/4	200								
LNAV/VNAV DA	3283	1 1/2	432	3283	1 1/2	432	3283	1 1/2	432	3283	1 1/2	432								
LNAV MDA	3360	1	509	3360	1	509	3360	1 3/8	509	3360	1 3/8	509								
CIRCLING	3440	1	568	3440	1	568	3440	1 1/2	568	3520	2	648								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 25C (77F). CHART NOTE: CIRCLING RWY 16L NA AT NIGHT. CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA.																				
CITY AND STATE MIDLAND, TX		ELEVATION: 2872 TDZE: 2851 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1C 22 JUNE 2017					SUP:								
												AMDT: 1B								
												DATED 04/28/2016								

QUALITY
16
CHECKED

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

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TAA

	FROM	TO	ALT
1.	315/30 CW 135/30 (NOPT) 315/12 CW 135/12	315/12 CW 135/12 TOKRE (IF/IAF) (FB)	5500 5000
2.	135/30 CW 315/30	TOKRE (IF/IAF) (FO)	5100

QUALITY
16
CHECKED

CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2851 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1C 22 JUNE 2017	SUP:
				AMDT: 1B
				DATED: 04/28/2016

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMAF
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	315554.1295N
LTP/FTP LONGITUDE	1021213.5030W
LTP/FTP ELLIPSOIDAL HEIGHT	+08447
FPAP LATITUDE	315647.0300N
FPAP LONGITUDE	1021049.1500W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1344
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 7F27D81A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+08691
FPAP ORTHOMETRIC HEIGHT	+08691

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