

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: RW22 CLIMB TO 5000 DIRECT TOKRE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 044.56 INBOUND. CHART FAS OBST: 3039 TOWER 315720N/1020926W CHART: ASR DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.30 NM TO RW22* *LNAV ONLY. WAAS CHANNEL # 50429 REFERENCE PATH ID: W22A LTP HAE: 845.8 M						
AYUPA (IF/IAF)		KITLE (TF) (FB) (RNP 1.00)			224.76 / 7.24			4500								
KITLE (FAF)		FONAX/2.50 NM TO RW22 (TF) (FB) (RNP 0.30)			224.70 / 2.51											
FONAX/2.50 NM TO RW22		RW22 (MAP) (TF) (FO) (RNP 0.30)			224.68 / 2.50											
RW22 (MAP)		3055 MSL (CA)			224.68											
3055 MSL		TOKRE (DF) (FO) (RNP 1.00)						5000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE AYUPA, RT, 224.76 INBOUND, 4700 FT. IN LIEU OF PT (IAF) 3. FAC: 224.70 FAF: KITLE DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: AYUPA 4700, KITLE 4500, FONAX/2.50 NM TO RW22 3700* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4500 GS ALT AT: KITLE 4500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 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	3055	3/4	200	3055	3/4	200	3055	3/4	200	3055	3/4	200				
LNAV/VNAV DA	3134	7/8	279	3134	7/8	279	3134	7/8	279	3134	7/8	279				
LNAV MDA	3320	1	465	3320	1	465	3320	1 3/8	465	3320	1 3/8	465				
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 22 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: 2855 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1B 22 JUNE 2017					SUP:				
												AMDT: 1A				
												DATED 04/02/2015				



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.	135/30 CW 315/30 (NOPT)	AYUPA (IF/IAF) (FB)	4700
2.	315/30 CW 135/30	AYUPA (IF/IAF) (FO)	5100

QUALITY
16
CHECKED

CITY AND STATE
MIDLAND, TX

ELEVATION: 2872 TDZE: 2855
AIRPORT NAME:
MIDLAND INTL AIR AND SPACE PORT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 1B
22 JUNE 2017

SUP:
AMDT: 1A
DATED: 04/02/2015

**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	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	315621.1255N
LTP/FTP LONGITUDE	1021130.4595W
LTP/FTP ELLIPSOIDAL HEIGHT	+08458
FPAP LATITUDE	315528.2100N
FPAP LONGITUDE	1021254.7900W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
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>	AC2DE8E2
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+08702
FPAP ORTHOMETRIC HEIGHT	+08702

QUALITY
16
CHECKED

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