

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> SAN ANGELO RGNL/MATHIS FIELD	<u>AIRPORT ID</u> KSJT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> SAN ANGELO	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 1919	<u>TDZE</u> 1917	<u>SUPERSEDED</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 09/01/2005	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
SJT VORTAC		HEXPE		TF	FO	1.00	220.72	14.70	4400
TANKR		APDOW		TF	FB	1.00	204.20	11.33	4400
CHILD		ESOBY		TF	FB	1.00	300.55	5.80	4400
APDOW	IAF	HEXPE	NOPT	TF	FB	1.00	128.02	7.00	4400
ESOBY	IAF	HEXPE	NOPT	TF	FB	1.00	308.13	7.50	4400
HEXPE	IF/IAF	ILIMY		TF	FB	1.00	038.07	5.93	3900
ILIMY	FAF	ANTHY/3.24 NM TO RW03		TF	FB	0.30	038.11	2.83	
ANTHY/3.24 NM TO RW03		RW03	MAP	TF	FO	0.30	038.11	3.24	
RW03	MAP	2117 MSL		CA			038.11		
2117 MSL		LITAZ		DF	FO	1.00			3800

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW03

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3800 DIRECT LITAZ AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SW HEXPE, RT, 038.07 INBOUND, 4400 FT. IN LIEU OF PT (IAF), MAX 8000.

3. FAC: 038.11FAF: ILIMYDIST FAF TO MAP: 6.07DIST FAF TO THLD: 6.07

4. MIN ALT: HEXPE 4400, ILIMY 3900, ANTHY/3.24 NM TO RW03 3000*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.47GS ANT:

6. MIN GP INCPT: 3900GP ALT AT FAF : ILIMY 3900OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 50.8

8. MSA FROM: RW03 4300

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, AND LNAV/VNAV CAT E AND LNAV CAT E VISIBILITY TO RVR 6000.
CHART NOTE: CIRCLING NA FOR CAT E W OF RWY 18-36.
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

2380 AAO 311706N/1003500W
CHART: ASR.
CHART CIRCLING ICON.
CHART VDP AT 1.04 NM TO RW03*
*LNAV ONLY
WAAS CHANNEL #77517
REFERENCE PATH ID: W03A
CHART FAS OBST: 2043 TANK 312128N/1003019W.
HOLD NE, RT, 218.21 INBOUND
LTP HAE: 560.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, CAT E 800-2 3/4



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**	2117	2400	200	2117	2400	200	2117	2400	200	2117	2400	200	2117	2400	200
LNAV/VNAV DA	2296	3500	379	2296	3500	379	2296	3500	379	2296	3500	379	2296	3500	379
LNAV MDA	2300	2400	383	2300	2400	383	2300	3500	383	2300	3500	383	2300	3500	383
CIRCLING	2360	1	441	2380	1	461	2500	1 1/2	581	2700	2 1/2	781	2700	2 3/4	781

CHANGES - REASONS

1. CAT E MINIMA ADDED TO PROCEDURE - FPT REQUEST
2. CHANGED INTERMEDIATE FIX TO PFAF DISTANCE FROM 6.04 TO 5.93 NM - FIX ILIMY MOVED 627 FT SW - IAW 8260.3C 2-6-4, D
3. CHART NOTE: RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA- RVR AVAILABLE AND NEW VIS CHECK.
4. UPDATED CIRCLING RADII TO NEW CRITERIA, CHARTED CIRCLING ICON - IAW 8260.3C, 2-7-1
5. INCREASED CIRCLING CAT C MDA/HAA FROM 2460/541 TO 2500/581 - CONTROLLING OBS CHANGED FROM 2043 ROD TO 2183 TOWER, IPDS EVALUATION FOR NEW CIRCLING RADII.
6. INCREASED CIRCLING CAT D MDA/HAA FROM 2480/561 TO 2700/781 - CONTROLLING OBS CHANGED FROM 2039 ANT TO 2391 AAO, IPDS EVALUATION FOR NEW CIRCLING RADII.
7. REMOVED EDWAR FEEDER- NA FROM V68 NW BOUND SERVES NO PURPOSE, PER FPT REQUEST.
8. CHANGED SJT FEEDER CRS FROM 216.72M TO 220.72M - UPDATED MAGVAR E9/1980 TO E5/2020.
9. CHANGED TANKR FEEDER CRS/DISTANCE FROM 190.86M/11.97 NM TO 204.20M/11.33 NM - UPDATED MAGVAR E9/1980 TO E5/2020, APDOW FIX MOVED.
10. CHANGED IAF APDOW CRS/DISTANCE HEADING FROM 124.03M/5.0 NM TO 128.02M/7.00 NM - APDOW FIX MOVED 2.00NM NW, UPDATED MAGVAR E9/1980 TO E5/2020.
11. CHANGED IAF ESOBY CRS HEADING/DISTANCE FROM 304.11M/5.0 NM TO 308.13M/7.5 NM - ESOBY FIX MOVED 2.50 NM SE, UPDATED MAGVAR E919/80 TO E5/2020.
12. CHANGED HEXPE INTERMEDIATE CRS HEADING/DISTANCE FROM 034.07M/6.04 TO 038.07M/5.93 NM - PFAF MOVED, UPDATED MAGVAR E9/1980 TO E5/2020.
13. FINAL CRS/DISTANCE CHANGES FROM 034.11M/5.96 NM TO 038.11M/ 6.07 NM - PFAF MOVED, UPDATED MAGVAR E9/1980 TO E5/2020.
14. LOWERED LPV HAT FROM 250 TO 200 - NO OCS PENETRATIONS IDENTIFIED.
15. ADDED ALTERNATE MINS - NEW VISCHECK.
16. INCREASED LNAV/VNAV DA/HAT FROM 2301/384 TO 2296/379 - NEW OBSTACLE EVALUATION.
17. NEW CRC REMAINDER CHANGED FROM ED990A21 TO F51982AC - NEW FAS DATA.
18. CHANGED FAS DATA LTP/FTP LATITUDE/LONGITUDE FROM 312058.9300N/1002959.5200W TO 312058.9345N/1002959.5230W - NEW FAS DATA.
19. CHANGED FPAP LATITUDE/LONGITUDE FROM 312141.8100N/1002912.5700N TO 312204.0700N/1002848.3500W - NEW FAS DATA.
20. CHANGED VISIBILITY FROM SM TO FT - VISCHECK FOR RVR.
21. CHANGED CAT A CIRCLING MDA/HAA FROM 2460/541 TO 2360/441 - NEW OBSTACLE EVALUATION.
22. CHANGED CAT B CIRCLING MDA/HAA FROM 2460/541 TO 2380/461 - NEW OBSTACLE EVALUATION.
23. CHANGED BARO TEMP NOTE FROM: BARO-VNAV NA BELOW -18C (0F).TO: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C OR ABOVE 54C. - USED 5 YEAR AVERAGE (2013-2017).
- 24 ADDED STEPDOWN FIX ANTHY TO LNAV FINAL- TO GET LOWER MDA.
25. CHANGED LITAZ MISSED APPROACH HOLDING PATTERN SIZE FROM 5 TO 9- CAT-E 265KT AIRSPEED.
26. CHANGED HEXPE HIL HOLDING PATTERN SIZE FROM 6 TO 10- CAT-E 265KT AIRSPEED.
27. ADDED FEEDER FROM CHILD TO ESOBY- PER FPT REQUEST.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZFW, ZHU, MAF APP CON, SJT ATCT, AMGR, ST. AV. DIR.

FLIGHT CHECKED BY

BRIAN HARRELSON

Digitally signed by
WARDELL HENNING
Jan 16, 2019

OFFICE

FICO

DATE

11/19/18

DEVELOPED BY

LONNIE EVERHART (KEITH CTR MCKAY)

Digitally signed by
WARDELL HENNING
Jan 16, 2019

OFFICE

AJV-5400

DATE

04/23/2018

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Jan 16, 2019

OFFICE

AJV-5400

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSJT
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	312058.9345N
LTP/FTP LONGITUDE	1002959.5230W
LTP/FTP ELLIPSOIDAL HEIGHT	+05602
FPAP LATITUDE	312204.0700N
FPAP LONGITUDE	1002848.3500W
THRESHOLD CROSSING HEIGHT (TCH)	00050.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0944
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	F51982AC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+05842
FPAP ORTHOMETRIC HEIGHT	+05842

