

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 ID</u> 50R	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> LOCKHART	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 532	<u>TDZE</u> 530	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 11/07/2019	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 DECEMBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
BETTI		MIRIN		TF	FB	1.00	141.07	22.08	3500
SEEDS		SINAR		TF	FB	1.00	259.28	14.55	3500
MIRIN	IAF	KENEH		TF	FB	1.00	084.87	8.00	3000
SINAR	IAF	KENEH		TF	FB	1.00	265.03	8.00	3000
KENEH	IF	HIPAR		TF	FB	1.00	354.95	7.00	2100
HIPAR	FAF	JOREN/1.60 NM TO RW36		TF	FB	0.30	354.95	3.22	
JOREN/1.60 NM TO RW36		RW36	MAP	TF	FO	0.30	354.95	1.60	
RW36	MAP	1000 MSL		CA			354.95		1000
1000 MSL		CRAYS		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000, THEN CLIMBING RIGHT TURN TO 3000 DIRECT CRAYS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
35
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT KENEH

3. FAF: 354.95 FAF: HIPAR DIST FAF TO MAP: 4.82 DIST FAF TO THLD: 4.82

4. MIN ALT: KENEH 3000, HIPAR 2100, JOREN/1.60 NM TO RW36 1060

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 283 HAT: 0.76 GS ANT:

6. MIN GP INCPT: 2100 GP ALT AT PFAF : HIPAR 2100 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0

8. MSA FROM: RW36 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BETTI ON V222, T466 WESTBOUND AND V17 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SEEDS ON T256 AND T466 EASTBOUND.
CHART NOTE: USE SAN MARCOS ALTIMETER SETTING; WHEN NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING: INCREASE LPV DA TO 830 FEET; INCREASE LNAV/VNAV DA TO 880 FEET; INCREASE ALL MDAS 20 FEET AND VISIBILITY CAT C 1/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 058.00 INBOUND.
CHART FAS OBST: 654 TREE 294951N/0974103W.
WAAS CHANNEL # 53323
REFERENCE PATH ID: W36A
LTP HAE: 133.5 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	813	1	283	813	1	283	813	1	283		NA				
LNAV/VNAV DA	863	1 1/8	333	863	1 1/8	333	863	1 1/8	333		NA				
LNAV MDA	940	1	410	940	1	410	940	1 1/8	410		NA				



CHANGES - REASONS

1. UPDATED FEEDER BETTI TO MIRIN, SEEDS TO SINAR RNP FROM 2.00 TO 1.00. - 8260.58B TABLE 1-2-1; WITHIN 30NM OF ARP.
2. UPDATED INTERMEDIATE KENEH TO HIPAR RNP FROM 0.50 TO 1.00. - IAW 8260.58A TABLE 1-2-1.
3. LINE 4: REMOVED *, AND *LNAV ONLY FROM ADDITIONAL FLIGHT DATA. - NO LONGER REQUIRED.
4. LINE 5: ADDED DISTANCE TO THLD FROM 283 HAT: 0.76. REMOVED "DISTANCE TO THLD FROM 283 HAT: 0.76 NM" FROM ADDITIONAL FLIGHT DATA. - FORMS UPDATED.
5. LINE 7: ADDED 20:1 IS CLEAR. - NO 20:1 PENETRATIONS PER P-NOTAM AMDT ORIG-B; REMOVAL OF HELICOPTER VISIBILITY NOTE.
6. UPDATED PBN REQUIREMENTS NOTES: FROM RNP APCH TO RNP APCH - GPS. - IAW 8260.19I 8-6-8 B(2).
7. UPDATED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH TO CURRENT FORMAT. - IAW 8260.19I 8-6-9 M(1).
8. UPDATED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BETTI FROM "ON V222-558 WESTBOUND AND V17 NORTHEAST BOUND" TO "ON V222, T466 WESTBOUND, AND V17 NORTHEAST BOUND." - IAW 8260.19I 8-2-5 E(2); V558 STOPS AT STONEWALL (STV) VORTAC.
9. UPDATED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SEEDS FROM "ON V198-212 AND V556 EASTBOUND" TO "ON T256 AND T466 EASTBOUND." - IAW 8260.19I 8-2-5 E(2); V198-212, V556 CANCELLED AT SEEDS.
10. UPDATED CHART NOTE: FROM "USE SAN MARCOS ALTIMETER SETTING, WHEN NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING AND INCREASE ALL DA 16 FEET, ALL MDA 20 FEET AND INCREASE LNAV CAT C VISIBILITY 1/8 MILE" TO "USE SAN MARCOS ALTIMETER SETTING; WHEN NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING: INCREASE LPV DA TO 830 FEET; INCREASE LNAV/VNAV DA TO 880 FEET; INCREASE ALL MDAS 20 FEET AND VISIBILITY CAT C 1/8 SM." - IAW 8260.19I 8-6-9 F(6).
11. REMOVED ADDITIONAL FLIGHT DATA: CHART 734 TOWER 294734N/0973952W. - IAW 8260-19H 8-6-10 C; ONLY STEPDOWN NON-PRECISION OBSTACLE IS DOCUMENTED.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZHU, AUS APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by

DATE

CASIMIR L TABAKA

Jul 28, 2023

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by

CASIMIR L TABAKA

Jul 28, 2023

OFFICE

AJV-A432

DATE

06/27/2023

APPROVED BY
CASIMIR TABAKA

Digitally signed by

CASIMIR L TABAKA

Jul 28, 2023

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	50R
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	295041.3920N
LTP/FTP LONGITUDE	0974021.4620W
LTP/FTP ELLIPSOIDAL HEIGHT	+01335
FPAP LATITUDE	295210.6500N
FPAP LONGITUDE	0974017.9700W
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	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5920C008

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01597
FPAP ORTHOMETRIC HEIGHT	+01597

