

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> GILLESPIE COUNTY	<u>AIRPORT ID</u> T82	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> FREDERICKSBURG	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 1695	<u>TDZE</u> 1685	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 11/12/2015	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 231/30 CW 051/30	NOPT	CIRIX	IF/IAF	4500
2. 051/30 CW 231/30		CIRIX	IF/IAF	4500

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>
CIRIX	IF/IAF	REYOS		TF	FB	1.00	320.81	7.00	3300
REYOS	FAF	WODAB/2.60 NM TO RW32		TF	FB	0.30	320.76	2.35	
WODAB/2.60 NM TO RW32		RW32	MAP	TF	FO	0.30	320.76	2.60	
RW32	MAP	1935 MSL		CA			320.76		
1935 MSL		UCETI		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT UCETI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE CIRIX, RT, 320.81 INBOUND, 4500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 320.77FAF: REYOSDIST FAF TO MAP: 4.95DIST FAF TO THLD: 4.95

4. MIN ALT: CIRIX 4500, REYOS 3300, WODAB/2.60 NM TO RW32 2540*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.64GS ANT:

6. MIN GP INCPT: 3300GP ALT AT FAF : REYOS 3300OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 45.3

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
*LNAV ONLY

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.21 NM TO RW32*
*LNAV ONLY
WAAS CHANNEL #81930
REFERENCE PATH ID: W32A
CHART FAS OBST: 1849 TREE 301200N/0985319W.
HOLD NW, RT, 140.66 INBOUND
LTP HAE: 488.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4

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	1935	1	250	1935	1	250	1935	1	250		NA				
LNAV/VNAV DA	1967	1	282	1967	1	282	1967	1	282		NA				
LNAV MDA	2100	1	415	2100	1	415	2100	1 1/4	415		NA				
CIRCLING	2200	1	505	2340	1	645	2480	2 1/4	785		NA				



CHANGES - REASONS

1. REMOVED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KERRVILLE ALTIMETER SETTING AND INCREASE ALL LNAV MDA TO 2160 FEET AND INCREASE ALL CAT C VISIBILITY 1/4 MILE." - REMOVED FOR CONTINGENCY PURPOSES.
2. REMOVED "CHART NOTE: BARO-VNAV NA WHEN USING KERRVILLE ALTIMETER SETTING." - REMOVED FOR CONTINGENCY PURPOSES.
3. REMOVED CHART NOTE "DME/DME RNP-0.3 NA" REMOVED - 8260.19H 4-6-10.E.
4. ADDED "CHART NOTE PBN REQUIREMENTS NOTE: RNP APCH" ADDED - 8260.19H 8-6-8.
5. ADDED 20:1 IS CLEAR - INCLUDED ON NEW FORM.
6. ADDED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})." - TCH VALUES DIFFER.
7. CHANGES FROM P-NOTAMS FOR AMDT 1A-1C INCORPORATED INTO FORM - IAW 8260.19H PARA 8-3-4(C)(3).
8. CHANGED NOTE FROM: "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F)." TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 54C." - IAWQ 8260.19H PARA 8-6-9.S.
- UPDATED HELICOPTER NOTE...
9. REMOVED ALTERNATE MINIMUMS NOTE - TO PART C - REMARKS - LOCAL ALTIMETER SOURCE ON WMSCR AND DEEMED RELIABLE.
10. ADDED VDP - 20:1 SURFACE CLEAR.
11. ADDED MAX HOLDING 6000 AT CIRIX - 8260-19H, 8-5-1H(2)J2.
12. CHANGED HELICOPTER NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA." TO "RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA." - 20:1 SURFACE CLEAR.

PDF EDITING USED TO REMOVE "ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED." - OLD CIRCLING CRITERIA USED. ALSO TO REMOVE LPV AND LNAV/VNAV MISSED APPROACH PENETRATIONS.
PDF EDITING USED TO UPDATE FCNR NOTE.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZHU, ST.AV.DIR, AIRPORT MANAGER

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DAVID TEFFETELLER

Jan 28, 2019

DATE

DEVELOPED BY

FRANK MOORE

OFFICE

AJV-5433

DATE

07/30/2018

APPROVED BY

PATRICK MULQUEEN

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FRANK MOORE

Jan 17, 2019

Digitally signed by

DAVID TEFFETELLER

Jan 28, 2019

OFFICE

AJV-5430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	T82
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	301414.9780N
LTP/FTP LONGITUDE	0985417.4395W
LTP/FTP ELLIPSOIDAL HEIGHT	+04889
FPAP LATITUDE	301529.6600N
FPAP LONGITUDE	0985513.8600W
THRESHOLD CROSSING HEIGHT (TCH)	00045.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	E7157E79
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+05112
FPAP ORTHOMETRIC HEIGHT	+05112

