

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> GRK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1E	<u>CITY</u> FORT HOOD (KILLEEN)	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 1015	<u>TDZE</u> 995	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>DATED</u> 11/30/2023	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 9 JULY 2026	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 4E
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
REDDA		HINSI		TF	FB	1.00	268.94	11.80	3000
KALLA		ROYOB		TF	FB	1.00	054.13	15.02	4200
ROYOB	IAF	TIXFO		TF	FB	1.00	063.34	5.00	3000
HINSI	IAF	TIXFO		TF	FB	1.00	243.44	5.00	3000
TIXFO	IF	RUBUF		TF	FB	1.00	333.39	6.11	2600
RUBUF	FAF	RW33	MAP	TF	FO	0.30	333.37	4.88	
RW33	MAP	1195 MSL		CA			337.37		
1195 MSL		FIXUL		DF	FB	1.00			
FIXUL		AGJ VORTAC		TF	FO	1.00	282.51	15.64	3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT FIXUL AND ON TRACK 282.51 TO AGJ VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT TIXFO
3. FAC: 333.37 FAF: RUBUF DIST FAF TO MAP: 4.88 DIST FAF TO THLD: 4.88
4. MIN ALT: TIXFO 3000, RUBUF 2600
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.54 GS ANT: MM: IM:
6. MIN GP INCPT: 2600 GP ALT AT PFAF: RUBUF 2600
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 50.1
8. MSA FROM: RW33 4100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA W OF RWY 15-33.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 5/8 SM AND LNAV CATS C, D AND E VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 190.00 INBOUND.
CHART FAS OBST: 1194 TOWER (48-028842) 310154N/0974922W.
CHART GRAY MOA.
CHART R-6302 A/B/C.
CHART VDP AT 1.48 NM TO RW33.
WAAS CHANNEL # 82399
REFERENCE PATH ID: W33A
CHART: ASR/PAR.
LTP HAE: 270.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT E 800-2 1/2

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	1195	1	200	1195	1	200	1195	1	200	1195	1	200	1195	1	200
LNAV/VNAV DA	1552	1 1/8	557	1552	1 1/8	557	1552	1 1/8	557	1552	1 1/8	557	1552	1 1/8	557
LNAV MDA	1460	1	465	1460	1	465	1460	1	465	1460	1	465	1460	1	465
CIRCLING	1540	1	525	1540	1	525	1560	1 1/2	545	1620	2	605	1740	2 1/2	725

CHANGES - REASONS

- CITY NAME CHANGED FROM FORT CAVAZOS (KILLEEN) TO FORT HOOD (KILLEEN) - PER UPDATED AIRNAV DATA.
- PROFILE LINE 5: ADDED "200 HAT: 0.54" - PER 8260.19K, PARA 8-6-7E(3).
- REMOVED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - DIFFERENCE BETWEEN VGSI TCH DATA AND THE TCH USED FOR PROCEDURE IS 0.1.
- ADDED "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B" - PER 8260.19K, PARA 8-6-12O(3)(A) AND PER UPDATED 8260.3G UPDATED VIS TABLES.
- CHANGED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO 3/4 SM, LNAV/VNAV CAT E VISIBILITY TO 2 SM, AND LNAV CAT E VISIBILITY TO 1 1/2 SM" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 5/8 SM AND LNAV CATS C, D AND E VISIBILITY TO 1 3/8 SM" - PER 8260.3G UPDATED VIS TABLES.
- ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST DATA FROM "1194 ANT 310154N/0974922W" TO "1194 TOWER (48-028842) 310154N/0974922W" - SAME OBSTACLE, UPDATED OE DATA.
- ADDITIONAL FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 200 HAT: 0.54 NM" - NOW DOCUMENTED ON PROFILE LINE 5.
- ADDITIONAL FLIGHT DATA: REMOVED "*LNAV ONLY" AND "*" FROM "CHART VDP AT 1.48 NM TO RW33" - NO LONGER REQUIRED.
- ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - NO LONGER REQUIRED.
- CHANGED LPV ALL CATS VISIBILITY FROM 1/2 SM TO 1 SM - PER 8260.3G UPDATED VIS TABLES.
- CHANGED LNAV/VNAV ALL CATS VISIBILITY FROM 1 1/2 SM TO 1 1/8 SM - PER 8260.3G UPDATED VIS TABLES.
- CHANGED LNAV CATS A AND B VISIBILITY FROM 1/2 SM TO 1 SM - PER 8260.3G UPDATED VIS TABLES.
- CRC REMAINDER CHANGED FROM "E1A735EE" TO "F921E408" - LTP/FTP COORDINATES CHANGED FROM "310318.1700N/0974922.8650W" TO "310318.1700N/0974922.8640W".
- INCORPORATED P-NOTAM 3/4156 - REQUIRED IAW 8260.19K, 8-3-4C(3).



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☒

HAI

☐

NBAA

☒

OTHER: ZHU, GRK APP CON, GRK ATCT, AMGR, ATA

FLIGHT CHECKED BY

JOHN KEARBY

Digitally signed by

CASIMIR L TABAKA

Mar 27, 2026

OFFICE

AJF

DATE

03/26/2026

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by

CASIMIR L TABAKA

Mar 27, 2026

OFFICE

AJV-A432

DATE

10/29/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Mar 27, 2026

OFFICE

AJV-A432

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGRK
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	310318.1700N
LTP/FTP LONGITUDE	0974922.8640W
LTP/FTP ELLIPSOIDAL HEIGHT	+02701
FPAP LATITUDE	310447.9500N
FPAP LONGITUDE	0975006.4000W
THRESHOLD CROSSING HEIGHT (TCH)	00050.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	F921E408

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02967
FPAP ORTHOMETRIC HEIGHT	+02967

