

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> AQO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> LLANO	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 1102	<u>TDZE</u> 1102	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 02/23/2023
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 5E
				<u>EPOCH YEAR</u> 2010
				<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>
AGJ VORTAC	IAF	AKEY	NOPT	TF	FB	1.00	244.02	28.93	3300
AKEY	IF/IAF	HIWGO		TF	FB	1.00	174.21	8.31	2700
HIWGO	FAF	FEPNI/2.61 NM TO RW17		TF	FB	0.30	174.21	2.36	
FEPNI/2.61 NM TO RW17		RW17	MAP	TF	FO	0.30	174.21	2.61	
RW17	MAP	1502 MSL		CA			174.21		
1502 MSL		IYMUD		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT IYMUD AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|---|--------------------|----------------|-----------------------|------------------------|-------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD N AKEY, RT, 174.21 INBOUND, 3300 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 174.21 | FAF: HIWGO | | DIST FAF TO MAP: 4.98 | DIST FAF TO THLD: 4.98 | |
| 4. MIN ALT: AKEY 3300, HIWGO 2700, FEPNI/2.61 NM TO RW17 1960 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | GS ANT: | |
| 6. MIN GP INCPT: | GP ALT AT FAF: | | | OM: | MM: |
| 7. GP ANGLE: | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: | | IM: |
| 8. MSA FROM: RW17 3700 | | | | | |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AGJ VORTAC AIRWAY RADIALS 185 CW 202.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 354.21 INBOUND.
CHART FAS OBST: 1264 TREE 304918N/0983912W.
CHART 1400 TREE (48-057033) 305011N/0984046W.
CHART VDP AT 1.29 NM TO RW17.
HIWGO TO RW17: 2.95/40.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LNAV MDA	1520	1	418	1520	1	418		NA			NA				

CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAMS 8/1774 AND 9/5874 FOR AMDT ORIG-A AND ORIG-B INTO FORM - IAW 8260.19J PARA 8-3-4.C(3).
2. TERMINAL ROUTES: DELETED LLO VORTAC TO AKEY FEEDER ROUTE - VOR MON DECOMMISSIONING LLO VORTAC.
3. DELETED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT LLO VORTAC AIRWAY RADIALS 018 CW 103 - VOR MON DECOMMISSIONING LLO VORTAC.
4. ADDITIONAL FLIGHT DATA: DELETED "1720 AAO 305234N/0983750W" - IAW 8260.19J PARA 8-6-11.E.(2).

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZHU, 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

DATE

Digitally signed by
ROBERT G HAMILTON
Jun 20, 2024

DEVELOPED BY

ROBERT G HAMILTON (JILL M. SUPPES)

Digitally signed by
ROBERT G HAMILTON
Jun 20, 2024

OFFICE

AJV-A433

DATE

02/26/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
Jun 20, 2024

OFFICE

AJV-A433

DATE

TITLE
MANAGER

