

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> RYW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> LAGO VISTA	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 1230	<u>TDZE</u> 1230	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 01/05/2017
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 OCTOBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 4E
				<u>EPOCH YEAR</u> 2020
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CWK VORTAC		AWALT		TF	FO	1.00	301.58	32.92	4100
AWALT	IF/IAF	THARP		TF	FB	1.00	157.25	6.20	3200
THARP	FAF	CHIAP/2.90 NM TO RW15		TF	FB	0.30	157.27	3.16	
CHIAP/2.90 NM TO RW15		RW15	MAP	TF	FO	0.30	157.27	2.90	
RW15	MAP	1700 MSL		CA			157.27		1700
1700 MSL		AWALT		DF	FO	1.00			4100

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW15

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4100 DIRECT AWALT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD NW AWALT, RT, 157.25 INBOUND, 4100 FT. IN LIEU OF PT (IAF), MAX 8000.
3. FAC: 157.27

FAF: THARP

DIST FAF TO MAP: 6.06

DIST FAF TO THLD: 6.06
4. MIN ALT: AWALT 4100, THARP 3200, CHIAP/2.90 NM TO RW15 2180
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.66

GS ANT:
6. MIN GP INCPT: 3200

GP ALT AT PFAF: THARP 3200

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 40.0
8. MSA FROM: RW15 4100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CWK VORTAC AIRWAY RADIALS 222 CW 004.  
CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1340 TREE 303103N/0975918W.  
CHART VDP AT 0.78 NM TO RW15.  
WAAS CHANNEL # 81831  
REFERENCE PATH ID: W15A  
CHART CIRCLING ICON.  
LTP HAE: 349.8 M

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
LPV DA	1480	1	250	1480	1	250		NA			NA				
LNAV/VNAV DA	1641	1 1/8	411	1641	1 1/8	411		NA			NA				
LNAV MDA	1620	1	390	1620	1	390		NA			NA				
CIRCLING	1660	1	430	1860	1	630		NA			NA				

CHANGES - REASONS

1. TERMINAL ROUTES: DELETED FEEDER LEG "LLO VORTAC TO AWALT" – LLO VOR MON.
2. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4100 DIRECT AWALT AND HOLD" TO "CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4100 DIRECT AWALT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4100." - IAW 8260.19J, 8-6-6.G(1).
3. PROFILE LINE 2: UPDATED FROM "HOLD NW AWALT, RT, 157.25 INBOUND, 4100 FT. IN LIEU OF PT (IAF)" TO "HOLD NW AWALT, RT, 157.25 INBOUND, 4100 FT. IN LIEU OF PT (IAF), MAX 8000." – ADDED MAX 8000 IAW 9260.19J, 8-6-7.B(2).
4. PROFILE LINE 4: UPDATED FROM "AWALT 4100, THARP 3200, CHIAP/2.90 NM TO RW15 2180\*" TO "AWALT 4100, THARP 3200, CHIAP/2.90 NM TO RW15 2180" – REMOVED ASTERISK AND FORMAT IAW 8260.19J, 8-6-7.D.
5. PROFILE LINE 5: RELOCATED FROM ADDITIONAL FLIGHT DATA "250 HAT: 0.66" – IAW 8260.19J, 8-6-7.E.
6. PROFILE LINE 7: ADDED "20:1 IS CLEAR" – NO 20:1 PENETRATIONS EXIST AND IAW 8260.19J, 8-6-7.G(3).
7. DELETED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH – GPS" TO PBN REQUIREMENTS NOTE - IAW 8260.19J, 8-6-8.
8. NOTES: AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C (2°F) OR ABOVE 54°C (130°F)" TO " CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - IAW 8260.19J, 8-6-10.R.
9. NOTES: AMENDED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVAL ON LLO VORTAC AIRWAY RADIALS 018 CW 165 AND ON CWK VORTAC AIRWAY RADIALS 222 CW TO 004." TO "PROCEDURE NA FOR ARRIVAL ON CWK VORTAC AIRWAY RADIALS 222 CW 004." – LLO VOR MON.
10. ADDITIONAL FLIGHT DATA: DELETED "LNAV ONLY" – NO LONGER REQUIRED.
11. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "1359 TREE 303205N/0975938W" TO "1340 TREE 303103N/0975918W" – IAW 8260.19J, 8-6-11.C.
12. MINIMUMS: ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS - IAW 8260.19J 8-6-12.B(4).
13. MINIMUMS: DECREASED LNAV/VNAV VIS FROM "1 3/8" TO "1 1/8" – IAW 8260.3E, TABLE 3-3-1.
14. FAS DATA: AMENDED CRC REMAINDER FROM "7C39DB38" TO "0E6A1CDA" - UPDATED FPAP LAT/LONG FROM "302848.1735N/0975743.9600W" TO "302848.1715N/0975743.9655W.



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZHU, AUS APP CON, AMGR

FLIGHT CHECKED BY

RUSSELL ROSLEWSKI

Digitally signed by

ROBERT G HAMILTON

Aug 13, 2024

OFFICE

FPO

DATE

08/09/2024

DEVELOPED BY

ROBERT G HAMILTON (TODD A. RUSSELL)

Digitally signed by

CASIMIR L TABAKA

Jun 07, 2024

OFFICE

AJV-A433

DATE

03/15/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

CASIMIR L TABAKA

Jun 07, 2024

OFFICE

AJV-A433

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE  
SBAS SERVICE PROVIDER IDENTIFIER  
AIRPORT IDENTIFIER  
RUNWAY  
APPROACH PERFORMANCE DESIGNATOR  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR  
REFERENCE PATH IDENTIFIER (APPROACH ID)  
LTP/FTP LATITUDE  
LTP/FTP LONGITUDE  
LTP/FTP ELLIPSOIDAL HEIGHT  
FPAP LATITUDE  
FPAP LONGITUDE  
THRESHOLD CROSSING HEIGHT (TCH)  
TCH UNITS SELECTOR (METERS OR FEET USED)  
GLIDEPATH ANGLE (GPA)  
COURSE WIDTH AT THRESHOLD  
LENGTH OFFSET  
HORIZONTAL ALERT LIMIT (HAL)  
VERTICAL ALERT LIMIT (VAL)

DATA

0  
0  
KRYW  
RW15  
0  
0  
W15A  
303012.7625N  
0975817.0360W  
+03498  
302848.1715N  
0975743.9655W  
00040.0  
F  
03.00  
106.75  
1592  
40.0  
50.0

CRC REMAINDER

0E6A1CDA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE  
LTP ORTHOMETRIC HEIGHT  
FPAP ORTHOMETRIC HEIGHT

K4  
+03750  
+03750

