

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> KHYI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> AUSTIN	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 595	<u>TDZE</u> 593	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 06/23/2016	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 036/30 CW 216/30	NOPT	036/10 CW 216/10		4100
2. 036/10 CW 216/10		ORALE	IF/IAF	3500
3. 216/30 CW 036/30		ORALE	IF/IAF	3500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ORALE	IF	JISGO		TF	FB	1.00	125.78	7.20	2700
JISGO	FAF	YOYTU/3.30 NM TO RW13		TF	FB	0.30	125.83	3.14	
YOYTU/3.30 NM TO RW13		RW13	MAP	TF	FO	0.30	125.83	3.30	
RW13	MAP	793 MSL		CA			125.83		
793 MSL		HODAL		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT HODAL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW ORALE, RT, 125.78 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 125.83FAF: JISGODIST FAF TO MAP: 6.44DIST FAF TO THLD: 6.44

4. MIN ALT: ORALE 3500, JISGO 2700, YOYTU/3.30 NM TO RW13 1700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.45GS ANT:

6. MIN GP INCPT: 2700GP ALT AT FAF : JISGO 2700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 56.8

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA FOR CAT E SW OF RWY 13-31.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 SM AND LNAV CAT E VISIBILITY TO 1 1/2 SM.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 305.96 INBOUND.
CHART FAS OBST: 853 ANT 295518N/0975446W.
1199 AAO 295744N/0975826W.
CHART VDP AT 1.48 NM TO RW13
WAAS CHANNEL # 86232
REFERENCE PATH ID: W13A
CHART CIRCLING ICON.
LTP HAE: 154.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, CAT E 800-2 3/4, 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	793	3/4	200	793	3/4	200	793	3/4	200	793	3/4	200	793	3/4	200
LNAV/VNAV DA	946	3/4	353	946	3/4	353	946	3/4	353	946	3/4	353	946	3/4	353
LNAV MDA	1120	3/4	527	1120	3/4	527	1120	1 1/4	527	1120	1 1/4	527	1120	1 1/4	527
CIRCLING	1120	1	525	1120	1	525	1240	1 3/4	645	1320	2 1/4	725	1340	2 3/4	745

CHANGES - REASONS

1. CHANGES FROM P-NOTAMS AMDT 2A AND 2B INCORPORATED INTO THIS FORM - IAW 8260-19I.
2. ADDED MISSED APPROACH DF LEG RNP VALUE 1.00 - IAW 8260.19I.
3. ADDED 20:1 IS CLEAR TO PROFILE LINE 7 - IAW 8260.19.
4. DELETED "CHART NOTE: DME/DME RNP 0.3 NA" FROM NOTES AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - IAW 8260.19I
5. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (3°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C - NEW NOTE FORMATTING IAW 8260.19I.
6. REMOVED BACKUP ALTIMETER AND ASSOCIATED NOTES - MOVED TO -9 AS A CONTINGENCY.
7. ADDED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS - PER VIS CHECK TOOL.
8. CHANGE CHART NOTE FROM "FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO 3/4, LNAV/VNAV CAT E VISIBILITY TO 1 1/8 AND LNAV CAT E VISIBILITY TO 1 1/2" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 SM AND LNAV CAT E VISIBILITY TO 1 1/2 SM" - PER VIS CHECK TOOL.
9. INCREASED LPV ALL CATS VISIBILITY FROM 1/2 TO 3/4; LNAV/VNAV ALL CATS VISIBILITY FROM 5/8 TO 3/4; AND LNAV CAT A/B VISIBILITY FROM 1/2 TO 3/4 AND CATS C/D/E FROM 1 TO 1 1/4 - NEW VIS CHECK CALCULATION ALS CHANGED FROM MALSR TO MAL.
10. DELETED *LNAV ONLY FROM ADDITIONAL FLIGHT DATA SECTION - NO LONGER REQUIRED IAW 8260-19I.
11. REMOVED "DISTANCE TO THLD FROM 200 HATH: 0.45 NM" FROM ADDITIONAL FLIGHT DATA AND ADDED "200 HAT: 0.45 NM" TO PROFILE LINE 5 - IAW WITH 8260-19I.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, AUS APP CON, HYI ATCT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

Digitally signed by

DONALD H LANIER

May 19, 2021

OFFICE

OFFICE
AJV-A431

DATE

DATE
04/07/2021

DEVELOPED BY

DONALD H. LANIER (DEXTER SWEETING) *Digitally signed by*
DONALD H LANIER

May 19, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER

APPROVED BY

LONNIE EVERHART *Digitally signed by*
DONALD H LANIER
May 19, 2021

QUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHYI
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	295349.3065N
LTP/FTP LONGITUDE	0975212.0775W
LTP/FTP ELLIPSOIDAL HEIGHT	+01547
FPAP LATITUDE	295248.5250N
FPAP LONGITUDE	0975056.9740W
THRESHOLD CROSSING HEIGHT (TCH)	00056.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D77975B2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01808
FPAP ORTHOMETRIC HEIGHT	+01808

