

**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> KTPH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> TEMPLE	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 682	<u>TDZE</u> 682	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 08/15/2019	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
BARBA		IHSAZ		TF	FO	1.00	310.84	20.54	3000
CONRA		IHSAZ		TF	FO	1.00	346.46	20.54	3000
ACT VORTAC	IAF	IHSAZ	NOPT	TF	FB	1.00	205.92	22.13	3000
IHSAZ	IF/IAF	IFDOH		TF	FB	1.00	159.58	5.95	2400
IFDOH	FAF	CUMIX/1.70 NM TO RW16		TF	FB	0.30	159.59	3.55	
CUMIX/1.70 NM TO RW16		RW16	MAP	TF	FO	0.30	159.59	1.70	
RW16	MAP	882 MSL		CA			159.59		
882 MSL		FADXY		DF	FB	1.00			
FADXY		BARBA		TF	FO	1.00	073.88	9.95	3600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3600 DIRECT FADXY AND ON TRACK 073.88 TO BARBA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N ILSAZ, LT, 159.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 159.59FAF: IFDOHDIST FAF TO MAP: 5.25DIST FAF TO THLD: 5.25

4. MIN ALT: ILSAZ 3000, IFDOH 2400, CUMIX/1.70 NM TO RW16 1260

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.49GS ANT:

6. MIN GP INCPT: 2400GP ALT AT PFAF : IFDOH 2400OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 45.0

8. MSA FROM: RW16 3600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ACT VORTAC ON V15 NORTH BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM AND LNAV CATS C/D VISIBILITY TO 7/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 073.88 INBOUND.
CHART FAS OBST: 707 POLE (48-030644) 310926N/0972434W.
809 AAO 311121N/0972556W.
CHART HOOD MOA.
CHART R-6302A.
CHART R-6302B.
CHART VDP AT 0.73 NM TO RW16.
WAAS CHANNEL # 78101
REFERENCE PATH ID: W16A
CHART CIRCLING ICON.
LTP HAE: 180.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4 - 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	882	1/2	200	882	1/2	200	882	1/2	200	882	1/2	200			
LNAV/VNAV DA	932	1/2	250	932	1/2	250	932	1/2	250	932	1/2	250			
LNAV MDA	960	1/2	278	960	1/2	278	960	1/2	278	960	1/2	278			QUALITY 45 CHECKED
CIRCLING	1140	1	458	1200	1	518	1280	1 1/2	598	1420	2 1/4	738			

CHANGES - REASONS

1. TERMINAL ROUTE LEG UPDATE: CHANGED LEG FROM "IFDOH - CUMIX/1.70 NM TO RW15" TO "IFDOH TO CUMIX/1.70 NM TO RW16". DISTANCE CHANGED FROM 6.02 TO 5.95 - RWY NUMBER CHANGED FROM 15 TO 16, IFDOH MOVED 137 FT NORTH.
2. TERMINAL ROUTE LEG UPDATE: CHANGED LEG FROM "CUMIX/1.70 NM TO RW15 - RW15" TO "CUMIX/1.70 NM TO RW16 - RW16" - RWY NUMBER CHANGED FROM 15 TO 16, IFDOH MOVED 137 FT NORTH.
3. TERMINAL ROUTE LEG UPDATE: CHANGED LEG FROM "RW15 - 882 MSL" TO RW16 - 882 MSL" - RWY NUMBER CHANGED FROM 15 TO 16.
4. MISSED APPROACH UPDATE: CHANGED LEG FROM LNAV: RW15 TO LNAV: RW16 - RWY NUMBER CHANGED FROM 15 TO 16.
5. PROCEDURE NAME CHANGED FROM RNAV (GPS) RWY 15 TO RNAV (GPS) RWY 16 - RWY NUMBER CHANGED FROM 15 TO 16.
6. PROFILE LINE 3 UPDATE: DIST FAF TO MAP/DIST FAF TO THLD CHANGED FROM 5.18 TO 5.25 - DIST FAF TO MAP/DIST FAF TO THLD RECALCULATED DUE TO RWY NUMBER CHANGED FROM 15 TO 16.
7. PROFILE LINE 4 MIN ALT UPDATE: CHANGED FROM "IHS AZ 3000, IFDOH 2400, CUMIX/1.70 NM TO RW15 1240'" TO "IHS AZ 3000, IFDOH 2400, CUMIX/1.70 NM TO RW16 1260" - RWY NUMBER CHANGED FROM 15 TO 16. NEW OBSTACLE EVALUATION.
8. PROFILE LINE 8 UPDATE: "MSA FROM" CHANGED FROM RW15 3600 TO RW16 3600 - RWY NUMBER CHANGED FROM 15 TO 16.
9. ADDITIONAL FLIGHT DATA UPDATE: CHANGED "CHART VDP AT 0.98 NM TO RW15*" TO "CHART VDP AT 0.73 NM TO RW16*" - RWY NUMBER CHANGED FROM 15 TO 16.
10. LNAV/VNAV MDA/HAT/VIS ALL CATS CHANGED FROM 1025/343/3/4 TO 932/250/1/2 - LNAV/VNAV MDA LOWERED. VISCHECK UPDATE.
11. LNAV MDA/HAT CAT A/B CHANGED FROM 1040/358 TO 960/278. LNAV MDA/HAT/VIS CAT C CHANGED FROM 1040/358/5/8 TO 960/278/1/2. LNAV MDA/HAT/VIS CAT D CHANGED FROM 1040/358/1 TO 960/278/1/2 - LNAV MDA LOWERED. VISCHECK UPDATE.
12. CHANGED CIRCLING CAT A MDA/HAA FROM 1120/438 TO 1140/458 AND CIRCLING CAT B MDA/HAA FROM 1180/498 TO 1200/518 - NEW OBSTACLE EVALUATION.
13. CRC REMAINDER CHANGED FROM 5BF1A79D TO F218D155 - FPAP LAT/LONG CHANGED FROM 310810.7515N/ 0972412.7525W TO 310810.7495N/0972412.7585W. CHANGED FROM COURSE WIDTH AT THRESHOLD CHANGED FROM 111.00 TO 106.75.
14. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT ACT VORTAC ON V15 NORTH BOUND - TURNS EXCEED 120 DEGREES.
15. ADDITIONAL FLIGHT DATA UPDATE: CHANGED CHART FAS OBST FROM "769 TREE 311121N/0972556W" TO "707 POLE (48-030644) 310926N/0972434W" - NEW OBSTACLE EVALUATION.
16. CHANGED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY TO 1 SM" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM AND LNAV CATS C/D VISIBILITY TO 7/8 SM" - VISCHECK UPDATE.
17. ADDITIONAL FLIGHT DATA UPDATE: ADDED 809 AAO 311121N/0972556W - NEW 7:1 OBSTACLE EVALUATION UPDATE.
18. IN FAS DATA, REFERENCE PATH IDENTIFIER (APPROACH ID) CHANGED FROM 15A TO 16A - RWY NUMBER CHANGED FROM 15 TO 16.

COORDINATED WITH:

AAA ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, ZFW, GRK APP CON, ST. AV. DIR., AMGR.

FLIGHT CHECKED BY

ANTHONY VALLLERA

*Digitally signed by***KWEKU DONKOR**

Jun 08, 2022

DEVELOPED BY

KWEKU DONKOR

APPROVED BY

CASIMIR TABAKA

*Digitally signed by***DAVID TEFFETELLER**

Jun 10, 2022

OFFICE

FIOG

DATE

04/27/22

OFFICE

AJV-A433

DATE

02/20/2022

*Digitally signed by***DAVID TEFFETELLER**

Jun 10, 2022

OFFICE

AJV-A430

DATE

09/08/2022

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPL
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	310935.9700N
LTP/FTP LONGITUDE	0972443.7800W
LTP/FTP ELLIPSOIDAL HEIGHT	+01808
FPAP LATITUDE	310810.7495N
FPAP LONGITUDE	0972412.7585W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	F218D155

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02080
FPAP ORTHOMETRIC HEIGHT	+02080

