

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> CXO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> HOUSTON	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 245	<u>TDZE</u> 237	<u>SUPERSEDED</u> RNAV (GPS) RWY 19	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 18 APRIL 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2000
			<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UYUTE	IAF	IPOME		TF	FB	1.00	102.16	5.00	2000
HUPAK	IAF	IPOME		TF	FB	1.00	282.26	5.00	2000
IPOME	IF	OSRAW		TF	FB	1.00	192.21	6.02	2000
OSRAW	FAF	WETUD/2.00 NM TO RW19		TF	FB	0.30	192.20	3.33	
WETUD/2.00 NM TO RW19		RW19	MAP	TF	FO	0.30	192.20	2.00	
RW19	MAP	527 MSL		CA			192.20		
527 MSL		JEVIB		DF	FB	1.00			
JEVIB		CLEEP		TF	FO	1.00	077.02	14.59	3100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT JEVIB AND LEFT TURN ON TRACK 077.02 TO CLEEP AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. PROFILE STARTS AT IPOME
3. FAC: 192.20
- FAC: OSRAW
- DIST FAF TO MAP: 5.33
- DIST FAF TO THLD: 5.33
4. MIN ALT: IPOME 2000, OSRAW 2000, WETUD/2.00 NM TO RW19 900
5. DIST TO THLD FROM OM:
- MM:
- IM:
- 150 HAT:
- 290 HAT: 0.78
- GS ANT:
6. MIN GP INCPT: 2000
- GP ALT AT PFAF: OSRAW 2000
- OM:
- MM:
- IM:
7. GP ANGLE: 3.00
- 34:1: IS NOT CLEAR
- 20:1: IS CLEAR
- TCH: 48.6
8. MSA FROM: RW19 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVID WAYNE HOOKS MEML ALTIMETER SETTING AND INCREASE LPV DA TO 584 FEET AND ALL VISIBILITIES 1/8 SM.
INCREASE LNAV/VNAV DA TO 739 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING DAVID WAYNE HOOKS MEML ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 278.00 INBOUND.
CHART FAS OBST: 348 TREE (48-039134) 302215N/0952436W.
CHART 579 TOWER 302401N/0952348W.
CHART VDP AT 1.20 NM TO RW19.
WAAS CHANNEL # 90219
REFERENCE PATH ID: W19A
CHART CIRCLING ICON.
LTP HAE: 42.2 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	527	1	290	527	1	290	527	1	290	527	1	290			
LNAV/VNAV DA	682	1 1/2	445	682	1 1/2	445	682	1 1/2	445	682	1 1/2	445			
LNAV MDA	660	1	423	660	1	423	660	1 1/4	423	660	1 1/4	423			
CIRCLING	700	1	455	700	1	455	880	1 3/4	635	960	2 1/4	715			

CHANGES - REASONS

- PROFILE LINE 4: DELETED * FROM SDF WETUD - NO LONGER REQUIRED.
- PROFILE LINE 5: ADDED DISTANCE TO THLD FROM 290 HAT: 0.78 - 8260.19I PARA 8-6-7 (E)(3).
- PROFILE LINE 7: ADDED "20:1: IS CLEAR" - 8260.19I PARA 8-6-7 (G)(3).
- PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS" - 8260.19I PARA 8-6-8 (B).
- NOTES: DELETED "DME/DME RNP-0.3 NA - NO LONGER REQUIRED.
- NOTES: CHANGED "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 48°C (118°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - 8260.19I PARA (R).
- NOTES: ADDED CHART NOTE: BACKUP ALTIMETER NOTE - PER FPT.
- NOTES: ADDED CHART NOTE: BARO-VNAV AND VDP NA WHEN USING DAVID WAYNE HOOKS MEML ALTIMETER SETTING - 8260.19I PARA 8-6-9 (E)(8).
- ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "409 TREE 302234N/0952442W" TO "348 TREE (48-039134) 302215N/0952436W" - PER TARGETS BUILD.
- ADDITIONAL FLIGHT DATA: DELETED "DISTANCE TO THLD FROM 290 HAT: 0.78 NM" - NO LONGER REQUIRED, IN PROFILE SECTION.
- ADDITIONAL FLIGHT DATA: DELETED "*LNAV ONLY" - NO LONGER REQUIRED.
- ALTERNATE MINIMUMS: ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19I PARA 8-6-11 (B).



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER:

ZHU, I90 APP CON, CXO ATCT, ST AV DIR, 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

DAVID DANNER

Feb 21, 2024

DEVELOPED BY

STEVEN DOUGHERTY

Digitally signed by

DAVID DANNER

Feb 21, 2024

OFFICE

AJV-A421

DATE

12/20/2023

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Feb 21, 2024

OFFICE

AJV-A421

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

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)

0
0
KCXO
RW19
0
0
W19A
302131.5055N
0952453.2770W
+00422
302006.1795N
0952523.6880W
00048.6
F
03.00
106.75
1224
40.0
50.0

CRC REMAINDER

2B315EDE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K4
+00697
+00697

