

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> 60R	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> NAVASOTA	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 229	<u>TDZE</u> 215	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>DATED</u> 05/16/2024	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 OCTOBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2015
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
YIKUG	IAF	ZUGUK		TF	FB	1.00	264.54	10.00	3000
ESUYO	IAF	ZUGUK		TF	FB	1.00	084.34	10.00	3000
ZUGUK	IF	WAMIV		TF	FB	1.00	354.44	7.00	2000
WAMIV	FAF	JIXET/2.58 NM TO RW35		TF	FB	0.30	354.43	2.95	
JIXET/2.58 NM TO RW35		RW35	MAP	TF	FO	0.30	354.43	2.58	
RW35	MAP	465 MSL		CA			354.43		
465 MSL		HOXID		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT HOXID AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. PROFILE STARTS AT ZUGUK
3. FAC: 354.43

FAF: WAMIV

DIST FAF TO MAP: 5.53

DIST FAF TO THLD: 5.53
4. MIN ALT: ZUGUK 3000, WAMIV 2000, JIXET/2.58 NM TO RW35 1060
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.71

GS ANT:
6. MIN GP INCPT: 2000

GP ALT AT PFAF: WAMIV 2000

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 46.0
8. MSA FROM: RW35 3000



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING 11R ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE 11R ALTIMETER SETTING AND INCREASE LPV DA TO 515 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 515 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.13NM TO RW35

HOLD N, RT, 174.42 INBOUND.
CHART FAS OBST: 341 WATER_TOWER (48-092114) 301920N/0960623W.
WAAS CHANNEL # 42831
REFERENCE PATH ID: W35A
LTP HAE: 31.8 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	465	1	250	465	1	250	465	1	250	465	1	250			
LNAV/VNAV DA	465	1	250	465	1	250	465	1	250	465	1	250			
LNAV MDA	600	1	385	600	1	385	600	1 1/8	385	600	1 1/8	385			



CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED FROM “WAMIV TO JIXET/2.60 NM TO RW35” TO “WAMIV TO JIXET/2.58 NM TO RW35” AND DISTANCE FROM “2.93” TO “2.95” AND UPDATED FROM “JIXET/2.60 NM TO RW35 TO RW35” TO “JIXET/2.58 NM TO RW35 TO RW35” AND DISTANCE FROM “2.60” TO “2.58” - FAF MOVED TO ALIGN WITH 3.00 GPA.
2. TERMINAL ROUTES: UPDATED CA ALTITUDE FROM “504” TO “465” – UPDATED LPV DA.
3. PROFILE LINE 4: UPDATED FROM “ZUGUK 3000, WAMIV 2000, JIXET/2.60 NM TO RW35 1060” TO “ZUGUK 3000, WAMIV 2000, JIXET/2.58 NM TO RW35 1060” - SDF MOVED TO ALIGN WITH 3.00 GPA.
4. PROFILE LINE 5: UPDATED FROM “DIST TO THLD FROM 310 HATH: 0.80 NM” TO “250 HAT: 0.71” - HAT CHANGED DUE TO NEW CONTROLLING OBSTACLE AND MOVED FROM ADDITIONAL FLIGHT DATA PER 8260.19J, PARA 8-6-7. E (3).
5. PROFILE LINE 7: UPDATED TCH VALUE FROM “45.2” TO “45” - ALIGNED TO VGSI TCH.
6. CHART NOTE: UPDATED FROM “CHART NOTE: VDP NA WITH BRENHAM ALTIMETER SETTING” TO “BARO-VNAV AND VDP NA WHEN USING 11R ALTIMETER SETTING” - PER 8260.19J, 8-6-10. E (8/9); LOCAL ALTIMETER NOT REMOTE.
7. CHART NOTE: UPDATED FROM “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRENHAM MUNI ALTIMETER SETTING AND INCREASE LPV DA TO 575 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 659 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 60 FEET” TO “ WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE 11R ALTIMETER SETTING AND INCREASE LPV DA TO 515 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 515 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM” - PER 8260.3E, TABLE 3-3-1.
8. CHART NOTE: ADDED “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C” - LOCAL ALTIMETER EMPLOYED AND ON WMSCR.
9. DELETED CHART PLANVIEW NOTE: RADAR REQUIRED - NO LONGER REQUIRED.
10. ADDITIONAL FLIGHT DATA: UPDATED FROM “CHART VDP AT 1.31 NM TO RW35” TO “CHART VDP: 1.13 NM TO RW35” - MDA DECREASED.
11. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM “341 WATER TWR (K60RT000118) 301920N/0960623W” TO “341 WATER_TOWER (48-092114) 301920N/0960623W” - UPDATED OBSTACLE ID.
12. ALTERNATE MINIMUMS: UPDATED FROM “NA” TO “STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE” - LOCAL ALTIMETER IS ON WMSCR/PER 8260.19J, 8-6-12. B (4).
13. MINIMUMS: DECREASED LPV ALL CAT DA/HAT FROM “504/289” TO “465/250” - NEW CONTROLLING OBSTACLE.
14. MINIMUMS: DECREASED LNAV/VNAV ALL CATS DA/HAT FROM “609/394” TO “465/250” AND VISIBILITY ALL CATS FROM “1 3/8 SM” TO “1 SM” - NEW CONTROLLING OBSTACLE/PER 8260.3E, TABLE 3-3-1.
15. MINIMUMS: DECREASED LNAV ALL CATS MDA/HAT FROM “660/445” TO “600/385”AND CAT C/D VISIBILITY FROM “1 3/8 SM” TO “1 1/8 SM” - NEW CONTROLLING OBSTACLE/PER 8260.3E, TABLE 3-3-1, 3-3-3, 3-3-4.
16. FAS DATA: UPDATED TCH FROM “45.7” TO “46” - APPROACH ALIGNED TO VGSI.
17. FAS DATA: CRC REMAINDER CHANGED FROM “9A419BCF” TO “74A2C427”- UPDATED FPAP LONGITUDE FROM “0960649.9850W” TO “0960649.9835W.”

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:ZHU, HOU APP CON, CLL ATCT, AMGR

FLIGHT CHECKED BY

JEFFREY J SCORSE

Digitally signed by

ROBERT G HAMILTON

Aug 20, 2024

OFFICE

FPO

DATE

08/14/2024

DEVELOPED BY

ROBERT G HAMILTON (KAMARUDINI R. RAIMI)

Digitally signed by

ROBERT G HAMILTON

Aug 20, 2024

OFFICE

AJV-A433

DATE

03/14/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Aug 20, 2024

OFFICE

AJV-A433

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	60R
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	302136.9500N
LTP/FTP LONGITUDE	0960645.3680W
LTP/FTP ELLIPSOIDAL HEIGHT	+00318
FPAP LATITUDE	302306.1700N
FPAP LONGITUDE	0960649.9835W
THRESHOLD CROSSING HEIGHT (TCH)	00046.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	74A2C427

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00591
FPAP ORTHOMETRIC HEIGHT	+00591

