

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</u> HAWTHORNE FIELD	<u>AIRPORT ID</u> K45R	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> KOUNTZE/SILSBEE	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 71	<u>TDZE</u> 71	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 04/02/2015	<u>MAG VAR</u> 4E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

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>
ZIVER	IAF	NOSUE		TF	FB	1.00	225.73	9.00	3100
FERVU	IAF	NOSUE		TF	FB	1.00	045.59	9.00	3100
NOSUE	IF	HAREV		TF	FB	1.00	135.66	7.00	2000
HAREV	FAF	RW13	MAP	TF	FO	0.30	135.70	5.94	
RW13	MAP	471 MSL		CA			135.70		
471 MSL		JOBMO		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LP: RW13
 LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT JOBMO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT NOSUE

3. FAC: 135.70

FAF: HAREV

DIST FAF TO MAP: 5.94

DIST FAF TO THLD: 5.94

4. MIN ALT: NOSUE 3100, HAREV 2000

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS NOT CLEAR

20:1: IS NOT CLEAR

TCH:

8. MSA FROM: RW13 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE BEAUMONT/PORT ARTHUR ALTIMETER SETTING; WHEN NOT RECEIVED, USE ORANGE ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART BEAUMONT/PORT ARTHUR ASOS.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
WAAS CHANNEL #58242
REFERENCE PATH ID: W13A
CHART FAS OBST: 320 TOWER 302336N/0941906W.
HOLD NW, LT, 135.74 INBOUND
LTP HAE: -6.7 M

MINIMUMS:

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

ALTERNATE: NA ☒

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
LP MDA	700	1	629	700	1	629	700	1 3/4	629		NA				
LNAV MDA	720	1	649	720	1	649	720	1 7/8	649		NA				
CIRCLING	720	1	649	720	1	649	780	2	709		NA				



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HAWTHORNE FIELD	K45R	RNAV (GPS) RWY 13	1B	KOUNTZE/SILSBEE	TX

CHANGES - REASONS

- AMDT 1A:
1. CHANGED LP HATH 631 TO HAT 629. - THLD ELEV TO TDZE CHANGE.
 2. CHANGED LNAV HATH 651 TO HAT 649. - THLD ELEV TO TDZE CHANGE.
 3. CHANGED THLD ELEV 69 TO TDZE 71. - PER REVISED CRITERIA.
- AMDT 1B:
1. ADDED "CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES". - PER FLT INSP REMARKS AND IAW 8260.19H PARA 8-6-10.P.(1).
 2. REMOVED VDA "HAREV TO RW13: 3.00/TCH 40" IN ADDITIONAL FLIGHT DATA. - UNSAT FOR OBSTACLE CLEARANCE, REMOVED PER FLIGHT INSPECTION RESULTS.
 3. REMOVED "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH{FEET})". - REMOVED PER FLIGHT INSPECTION RESULTS.
 4. UPDATED LP FAS DATA BLOCK WITH TCH OF 00000.00 FEET. - PER FLIGHT INSPECTION, VDA IS REMOVED.
 5. UPDATED LP FAS DATA BLOCK WITH GPA OF 00.00 DEGREES. - PER FLIGHT INSPECTION, VDA IS REMOVED.
 6. CHANGED CRC REMAINDER FOR LP LINE OF MINIMA FROM F07F4BA1 TO C0BFA335. - UPDATED WITH REMOVAL OF GPA/TCH.
 7. DELETED "CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 31 NA AT NIGHT". - OBSTACLES PENETRATE 20:1 SURFACE IAW 8260.19H PARA 8-6-11.
 8. DELETED "WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 13 PROCEDURE NA AT NIGHT". - OBSTACLES PENETRATE 20:1 SURFACE IAW 8260.19H PARA 8-6-11.
 9. ADDED "CHART NOTE: PROCEDURE NA AT NIGHT". - STRAIGHT-IN AND CIRCLING MINS NOT AUTHORIZED AT NIGHT IAW 8260.19H PARA 8-6-11.O.(2).(A).
 10. CHANGED "CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA" TO "CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA". - IAW 8260.19H PARA 8-6-11.K.(3).
 11. REPLACED "CHART NOTE: DME/DME RNP-0.3" WITH "PBN REQUIREMENTS NOTE: RNP APCH". - CHANGED PER NAVSPEC REQUIREMENT IAW 8260.19H PARA 8-6-8.
 12. CHANGED ALTIMETER SETTING NOTE FROM "CHART NOTE: USE JACK BROOKS RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ORANGE ALTIMETER SETTING" TO "CHART NOTE: USE BEAUMONT/PORT ARTHUR ALTIMETER SETTING; WHEN NOT RECEIVED, USE ORANGE ALTIMETER SETTING". - UPDATED IAW 8260.19H PARA 8-6-9.F.(6).
 13. ADDED "CHART BEAUMONT/PORT ARTHUR ASOS". - PRIMARY ALTIMETER SOURCE IS OBTAINED FROM A REMOTE LOCATION IAW 8260.19H PARA 8-2-4.B.(3).
 14. DELETED PLANVIEW NOTE "RADAR REQUIRED. - DOES NOT APPLY IAW 8260.19H PARA 8-6-9.G. NOTE.



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<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> OTHER: ZHU, I90 APP CON, AMGR					
<u>FLIGHT CHECKED BY</u> ANTHONY D VALLERA	Digitally signed by ROBERT G HAMILTON Nov 01, 2018		<u>OFFICE</u> FICO	<u>DATE</u> 10/30/18	
<u>DEVELOPED BY</u> JASON KRETSCHMER	Digitally signed by JASON KRETSCHMER Sep 06, 2018		<u>OFFICE</u> AJV-5422	<u>DATE</u> 09/06/2018	
<u>APPROVED BY</u> JULIE MORGAN	Digitally signed by ROBERT G HAMILTON Nov 01, 2018		<u>OFFICE</u> AJV-5420	<u>DATE</u>	<u>TITLE</u> MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	45R
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	302027.0380N
LTP/FTP LONGITUDE	0941543.0335W
LTP/FTP ELLIPSOIDAL HEIGHT	-00067
FPAP LATITUDE	301918.8800N
FPAP LONGITUDE	0941436.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	C0BFA335
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00209
FPAP ORTHOMETRIC HEIGHT	+00209

