

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25**

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> HOUSTON-SOUTHWEST	<u>AIRPORT ID</u> KAXH	<u>PROCEDURE NAME</u> LOC RWY 9	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> HOUSTON	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 69	<u>TDZE</u> 69	<u>SUPERSEDED</u> LOC/DME RWY 9	<u>ORIGINAL/AMENDMENT</u> 3C	<u>DATED</u> 04/28/2016	<u>MAG VAR</u> 5E
<u>FACILITY</u> I-AXH	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

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>

MISSED APPROACH

MAP:

LOC: RW09 OR AT I-AXH 0.89 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 2500 DIRECT KEEDS.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMBING RIGHT TURN TO 2000 ON HEADING 221.00 FOR RADAR VECTORS (RADAR REQUIRED).

PROFILE:

1. PT L **SIDE OF COURSE** 269.24 **OUTBOUND** 2400 **FT WITHIN** 10 **MILES OF** DUCKS/I-AXH 7.03 DME (IAF)
- 2.
3. **FAC:** 089.24 **FAF:** DUCKS/I-AXH 7.03 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 6.14
4. **MIN ALT:** DUCKS/I-AXH 7.03 DME 2400
8. **MSA FROM:** IAH VORTAC 3100 (30NM)

EQUIPMENT REQUIREMENTS NOTES:

RNAV 1-GPS

NOTES:

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



ADDITIONAL FLIGHT DATA:

CHART 3100 PRIOR TO DUCKS IN PROFILE.
CHART (CFFLR) AT 293117.41N/0954257.54W
CHART CIRCLING ICON.
DUCKS TO RW09: 3.50/50.
CHART VDP AT 2.02 DME
DISTANCE VDP TO THLD 1.13 NM
FAS OBST: 269 AAO 293032N/0953434W.

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
S-LOC 09	540	1	471	540	1	471	540	1 3/8	471		NA				
CIRCLING	580	1	511	580	1	511	700	1 3/4	631		NA				

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM LOC/DME RWY 9 TO LOC RWY 9 AND ADDED EQUIPMENT REQUIREMENTS NOTE: DME REQUIRED - 8260.19H 8-3-4B(7).
2. REMOVED FEEDER FROM HUB VOR/DME TO DUCKS - HUB VOR/DME DECOMMISSIONED, INCORPORATED NOTAM FDC 8/2327.
3. UPDATED MISSED APPROACH INSTRUCTIONS FROM CLIMBING RIGHT TURN TO 2500 ON HUB R-221 TO KEEDS INT TO CLIMBING RIGHT TURN TO 2500 DIRECT KEEDS - HUB VOR/DME DECOMMISSIONED, INCORPORATED NOTAM FDC 8/2327.
4. ADDED ALTERNATE MISSED APPROACH - 8260.19H 8-6-6
5. PT SIDE OF COURSE CHANGED FROM 269.23 TO 269.24 - DUCKS MOVED TO FACILITATE VGSI COINCIDENCE.
6. PT OUTBOUND ALT CHANGED FROM 2100 TO 2400 - ALT CHANGED TO FACILITATE 3.5 GPA.
7. LINE 3 FAC CHANGED FROM 089.23 TO 089.24 - DUCKS MOVED TO FACILITATE VGSI COINCIDENCE.
8. LINE 3 DIST FAF TO THLD CHANGED FROM 6.12 TO 6.14 - DUCKS MOVED TO FACILITATE VGSI COINCIDENCE.
9. LINE 8 CHANGED FROM HUB VOR/DME 3100 TO IAH VORTAC 3100 (30NM) - HUB VOR/DME DECOMMISSIONED, INCORPORATED NOTAM FDC 8/2327.
10. REMOVED IAF SEGMENT FROM ROSEN TO DUCKS - DR INTERMEDIATE LEG LENGTH DOES NOT MEET CURRENT CRITERIA.
11. REMOVED CHART NOTE: CIRCLING TO RWY 27 NA AT NIGHT - RWY 27 NO LONGER HAS 20:1 PENETRATIONS.
12. ADDED ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON - NEW CIRCLING CRITERIA APPLIED
13. UPDATED ADDITIONAL FLIGHT DATA FROM DUCKS TO RW09: 3.05/50 TO 3.50/50 - VGSI COINCIDENCE.
14. UPDATED VDP FROM 2.67 DME TO 2.02 DME/VDP TO THLD FROM 1.78 NM TO 1.13 NM- FAF MOVED AND GPA CHANGED.
15. CHANGED FAS OBSTACLE FROM CHART FAS OBST 205 TOWER 293037N/0953032W TO FAS OBST: 269 AAO 293032N/0953434W - FAF MOVED AND FINAL TRAP HAS CHANGED.
16. REMOVED ADDITIONAL FLIGHT DATA: CHART: 233 TOWER 293141N/0953610W - OBSTACLE IS NO LONGER 7:1 DUE TO FAF ALTITUDE CHANGE.
17. REMOVED CHART IN PLANVIEW: *MAINTAIN 3000 OR ABOVE UNTIL ESTABLISHED OUTBOUND FOR PROCEDURE TURN AND REPLACED WITH ADDITIONAL FLIGHT DATA CHART 3100 PRIOR TO DUCKS IN PROFILE - ALTITUDE CHANGED FROM 3000 TO 3100 DUE TO NEW CONTROLLING OBSTACLE AND NOTE CHANGED IAW 8260.19H 8-6-7A(2).
18. ADDED EQUIPMENT REQUIREMENTS NOTE: RNAV 1-GPS. - 8260.19H 8-6-8.
19. CHANGED S-9 MDA/HAT FROM 780/711 TO 540/471 - UNCONTROLLED ROAD IN LOCALIZER CRITICAL AREA IS NOW CONTROLLED.
20. CHANGED S-9 CAT A/B VIS FROM 2 TO 1 AND CAT C VIS FROM 2 TO 1 3/8 - UNCONTROLLED ROAD IN LOCALIZER CRITICAL AREA IS NOW CONTROLLED.
21. CHANGED CIRCLING CAT A/B/C MDA/HAA FROM 780/711 TO CAT A/B 580/511, CAT C 700/631 - UNCONTROLLED ROAD IN LOCALIZER CRITICAL AREA IS NOW CONTROLLED.
22. CHANGED CIRCLING CAT A/B/C VIS FROM 2 TO CAT A/B 1, CAT C 1 3/4 - UNCONTROLLED ROAD IN LOCALIZER CRITICAL AREA IS NOW CONTROLLED.
23. ADDED RWY 9 HELICOPTER VISIBILITY REDUCTION NOTE. - 34:1 PENETRATORS IDENTIFIED FOR RWY 9.
24. MOVED BACKUP ALTIMETER NOTE FROM THE 8260-5 TO THE REMARKS SECTION OF THE 8260-9 - IAW 8260.19H 8-6-9.
25. REMOVED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. - VGSI AND PROCEDURE VDA/TCH NOW COINCIDENT.
26. ADDED ADDITIONAL FLIGHT DATA NOTE "CHART (CFFLR) AT 293117.41N/0954257.54W" - ARINC 424-18 SPECIFICATION.



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<u>COORDINATED WITH:</u>					
A4A <input checked="" type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input checked="" type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> ZHU, AMGR, ST. AV. DIR.					
<u>FLIGHT CHECKED BY</u> BRIAN HARRELSON		<i>Digitally signed by</i> DAVID DANNER Apr 05, 2019		<u>OFFICE</u> FICO	<u>DATE</u> 4/3/19
<u>DEVELOPED BY</u> JULIE A. MORGAN (TYLER MITCHELL)		<i>Digitally signed by</i> DAVID DANNER Apr 05, 2019		<u>OFFICE</u> AJV-5420	<u>DATE</u> 10/31/2018
<u>APPROVED BY</u> JULIE MORGAN		<i>Digitally signed by</i> DAVID DANNER Apr 05, 2019		<u>OFFICE</u> AJV-5420	<u>TITLE</u> MANAGER

