

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29**

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> KIAH	<u>PROCEDURE NAME</u> ILS OR LOC RWY 27 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II), ILS RWY 27 (CAT III)		<u>ORIGINAL/AMENDMENT</u> 11C	<u>CITY</u> HOUSTON	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 96	<u>TDZE</u> 86	<u>SUPERSEDED</u> ILS OR LOC RWY 27 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II), ILS RWY 27 (CAT III)	<u>ORIGINAL/AMENDMENT</u> 11B	<u>DATED</u> 12/05/2019	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2010	
<u>FACILITY</u> I-GHI	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>			

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
RDFSH	IAF	GEYGR		TF	FB	1.00	312.89	7.00	4000
GEYGR		SYYKO		TF	FB	1.00	314.47	4.00	3000
SYYKO		TRANN INT		TF	FB	1.00	287.02	3.00	3000
CLSIK	IAF	GRUNG		TF	FB	1.00	245.63	4.11	4000
GRUNG		SILLS		TF	FB	1.00	267.24	6.21	4000
SILLS/27.00 DME	IAF	TRANN INT/21.96 DME					266.97	5.04 (I-GHI)	3000
TRANN INT/21.96 DME		DENTO/17.73 DME					266.97	4.23 (I-GHI)	2000
DENTO/17.73 DME	IF	FESTA/10.51 DME					266.97	7.22 (I-GHI)	2000
FESTA/10.51 DME		REDOC/6.07 DME					266.97	4.44 (I-GHI)	1500

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: I-GHI 1.80 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 560 THEN CLIMBING LEFT TURN TO 3000 ON IAH VORTAC R-215 TO TIC0Y/IAH 20.00 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT TRANN					
3. FAC:	266.97	FAF: REDOC/6.07 DME	DIST FAF TO MAP:		DIST FAF TO THLD: 4.27
4. MIN ALT:	TRANN INT/21.96 DME 3000, DENTO/17.73 DME 2000, FESTA/10.51 DME 2000, REDOC/6.07 DME 1500				
5. DIST TO THLD FROM OM:	MM:	IM: 911	100 HAT: 859	150 HAT: 1853	GS ANT: 1035
6. MIN GS INCPT:	1500	GS ALT AT FAF :	REDOC/6.07 DME 1500	OM:	MM:IM:
7. GP ANGLE:	3.00	34:1:	20:1:	TCH: 55.0	
8. MSA FROM:	IAH VORTAC 015-230 3100, 230-015 2400				

EQUIPMENT REQUIREMENTS NOTES:

RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY.  
DME REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT A, B, C, D, RA 157, RVR 1400, HAT 150, DA 236 MSL.  
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT A, B, C, D, RA 101, RVR 1200, HAT 100, DA 186 MSL.  
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT A, B, C, D, RVR 600  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.  
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 27 CAT E VISIBILITY TO RVR 4000 AND S-LOC 27 CAT C-E VISIBILITY TO 1 3/8 SM.  
  
CHART SPEED ICON IN PLANVIEW AT RDFSH: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT CLSIK: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT RDFSH.  
CHART MANDATORY 4000 AT CLSIK.  
HOLD SW, RT, 034.90 INBOUND.  
FAS OBST: 294 AAO 295910N/0951352W.  
CHART VDP AT 3.07 DME\*  
DISTANCE VDP TO THLD 1.27 NM.  
\*LOC ONLY.  
CHART MANDATORY 4000 AT GEYGR.  
CHART MANDATORY 3000 AT SYYKO.  
CHART MANDATORY 4000 AT SILLS.



**AIRPORT ID**  
KIAH

**PROCEDURE NAME**  
ILS OR LOC RWY 27  
ILS RWY 27 (SA CAT I),  
ILS RWY 27 (CAT II),  
ILS RWY 27 (CAT III)

**ORIGINAL/AMENDMENT**  
11C

**CITY**  
HOUSTON

**STATE**  
TX

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD; LOC: STANDARD

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 27	286	1800	200	286	1800	200	286	1800	200	286	1800	200	286	1800	200
S-LOC 27	560	2400	474	560	2400	474	560	5000	474	560	5000	474	560	5000	474

**CHANGES - REASONS**

1. REMOVED "I-GHI" DME IDENTIFIER FROM SILLS TO REDOC IN TERMINAL ROUTES -- DME FIXES WITH COURSE AND DME FROM THE SAME FACILITY; 8260.19H, 8-2-6.C(1).
2. ADDED DISTANCE TO THRESHOLD FROM "IM: 911" ON PROFILE LINE 5 -- REQUIRED FOR ILS CAT II/II IAW 8260.19H, 8-6-7.E.
3. CHANGED EQUIPMENT REQUIREMENTS NOTE "DME REQUIRED FOR LOC ONLY" TO "DME REQUIRED" -- INTERMEDIATE AND MISSED APPROACH SEGMENTS REQUIRE DME; 8260.19H, 8-6-8.A(2) (A).
4. CHANGED EQUIPMENT REQUIREMENTS NOTE "RNAV 1-GPS AND RADAR REQUIRED FOR PROCEDURE ENTRY" TO "RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY" -- RADAR NOT REQUIRED FOR GPS EQUIPPED AIRCRAFT; 8260.19H, 8-68.A(1)(E).3.
5. REMOVED EQUIPMENT REQUIREMENTS NOTE "FROM CLSIK, RDFSH: RNAV 1-GPS REQUIRED" -- REDUNDANT WITH NOTE "RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY".
6. ADDED "USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS" -- RNAV IS USED FOR ROUTE TRANSITION TO THE ILS; 8260.19H, 8-6-11.O(7)(D) AND 8260.3D, APPX E, SEC 2, 6.B.
7. ADDED "CHART MANDATORY 4000 AT SILLS" TO ADDITIONAL FLIGHT DATA -- FPT REQUEST; 8260.19H, 8-6-10.O.
8. CHANGED WORDING "CHART IN PLANVIEW: MANDATORY..." TO "CHART MANDATORY..." IN ADDITIONAL FLIGHT DATA FOR CLSIK, GEYGR, SYYKO, RDFSH -- UPDATED PER 8260.19H, 8-6-10.O.
9. REMOVED "NA WHEN LOCAL WEATHER NOT AVAILABLE" FROM ILS AND LOC ALTERNATE MINIMUMS -- AIRPORT DOES NOT USE BACKUP ALTIMETER DUE TO REDUNDANT WEATHER SOURCES; 8260.19H, 8-6-9.F(7) AND MEMO #266, ATCH 4, PARA 6.

1/25/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 8/26/20.

1. CORRECTED SA CAT I ILS RA VALUE FROM "104" TO "157".

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, IAH APP CON, AMGR, ATA

**FLIGHT CHECKED BY**

BRIAN DAVID HARRELSON

*Digitally signed by*

**JASON KRETSCHMER**

Mar 12, 2021

**OFFICE**

FICO

**DATE**

03/11/2021

**DEVELOPED BY**

JASON KRETSCHMER (DANIEL C JOHNSEN)

*Digitally signed by*

**JASON KRETSCHMER**

Jan 26, 2021

**OFFICE**

AJV-A421

**DATE**

08/26/2020

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**JASON KRETSCHMER**

Jan 26, 2021

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER