

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SUPERSEDED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>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>			

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>
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. FAF: 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

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-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

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<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>AMDT NO.</u> 11C	<u>CITY</u> HOUSTON	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 96	<u>FACILITY</u> I-GHI
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
RDFSH

TO
GEYGR

<u>RNP</u>	<u>DISTANCE</u> 7.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
												1.TOWER (48-013650)	295039.36N/0944214.04W	522	50	20	2C	1000				AT2478	4000
												2.TERRAIN	295418.00N/0944218.00W	46 (0)								AS1500	1500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM
GEYGR

TO
SYYKO

<u>RNP</u>	<u>DISTANCE</u> 4.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
												3.TOWER (48-033684)	295801.16N/0944926.21W	297	20	3	1A	1000				AT1703	3000
												4.TERRAIN	295845.00N/0945130.00W	60 (100)								AS1500	1600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: STEPDOWN

FROM

SYKCO

TO

TRANN INT

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.AAO	300027.00N/0945400.00W		266	164	98	4E	1000				AT1734	3000
6.TERRAIN	300027.00N/0945400.00W		66 (100)								AS1500	1600

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:

INITIAL

FROM

CLSIK

TO

GRUNG

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.11											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (48-004308)	300119.00N/0944421.00W		563	500	125	5E	1000				AT2437	4000
8.TERRAIN	300154.00N/0944500.00W		69 (100)								AS1500	1600

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:



INITIAL: STEPDOWN

FROM
GRUNG

TO
SILLS

RNP	DISTANCE 6.21	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (48-004308)	300119.00N/0944421.00W		563	500	125	5E	1000				AT2437	4000
8.TERRAIN	300154.00N/0944500.00W		69 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
SILLS/27.00 DME

TO
TRANN INT/21.96 DME

RNP	DISTANCE 5.04	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
10.TOWER (48-003137)	300230.90N/0945216.20W		564	50	20	2C	1000				AT1436	3000
11.TERRAIN	300239.00N/0945454.00W		79 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: STEPDOWN

FROM

TRANN INT/21.96 DME

TO

DENTO/17.73 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.23											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12.TOWER (48-009580)	295557.72N/0945452.86W		463	50	20	2C	1000				AS537	2000
13.TERRAIN	300239.00N/0945618.00W		83 (100)								AS1500	1600

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:

INTERMEDIATE

FROM

DENTO/17.73 DME

TO

FESTA/10.51 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	7.22											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
14.TOWER (48-001259)	300156.00N/0945938.00W		455	250	50	4D	500				AT1045	2000
15.TERRAIN	295842.00N/0951312.00W		79 (100)								AS1500	1600

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

FESTA/10.51 DME

TO

REDOC/6.07 DME

RNP	DISTANCE 4.44	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
16.AAO	295842.00N/0951312.00W		279	164	98	4E	500				AC98 AT623	1500
15.TERRAIN	295842.00N/0951312.00W		79 (100)								AS1000	1100

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: ILS

FROM

REDOC/6.07 DME

TO

RW27

RNP	DISTANCE 4.27	PAT	MAP DA	HAT 200			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				286

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



FINAL: LOC

FROM

REDOC/6.07 DME

TO

I-GHI 1.80 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.27		I-GHI 1.80 DME		474							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
17.AAO	295909.94N/0951352.35W		294	50	20	2C	250					560

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: ILS SA CAT I

FROM

REDOC/6.07 DME

TO

DA

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.27		DA		150							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				236

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



FINAL: ILS CAT II

FROM
REDOC/6.07 DME

TO
DA

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.27		DA			100						
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				186

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : ILS

FROM
DA

TO
TICOY/IAH 20.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
								ASC				3000
18.BUILDING (48-004155)		294414.00N/0952741.00W	974	100	20	3C	1000					2000
19.TERRAIN		295624.00N/0952521.00W	122 (100)								AS1500	1600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LOC

FROM
I-GHI 1.80 DME

TO
TICOY//IAH 20.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 310					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
18.BUILDING (48-004155)	294414.00N/0952741.00W		974	100	20	3C	1000					2000
19.TERRAIN	295624.00N/0952521.00W		122 (100)								AS1500	1600

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : ILS SA CAT I

FROM
DA

TO
TICOY//IAH 20.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
18.BUILDING (48-004155)	294414.00N/0952741.00W		974	100	20	3C	1000					2000
19.TERRAIN	295624.00N/0952521.00W		122 (100)								AS1500	1600

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



MISSED APPROACH : ILS CAT II

FROM

DA

TO

TICOY/IAH 20.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
18.BUILDING (48-004155)	294414.00N/0952741.00W		974	100	20	3C	1000					2000
19.TERRAIN	295624.00N/0952521.00W		122 (100)								AS1500	1600

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☐ CAT A

☐ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☒ NOT AUTHORIZED

MSA

CENTER

IAH VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
015-230	TOWER (48-004048)	293430.00N/0952938.00W	194	24.1	2049	500	50	5D	1000			3100
230-015	TOWER (48-007922)	302003.00N/0951252.00W	012	23.6	1349	500	50	5D	1000			2400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

CIRCLING, COURSE REVERSAL: NOT DEVELOPED PER ATC.

SIMULTANEOUS APPROACH AUTHORIZED WITH ILS/RNAV PROCEDURES TO RWY 26R AND RWY 26L PER 8260-3B CHNG 21-25.

RNAV ROUTES EVALUATED USING IPDS RNAV (GPS) Z RWY 27 BUILD.

55 FT VEGETATION USED PER FPT.



<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>AMDT NO.</u> 11C	<u>CITY</u> HOUSTON	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 96	<u>FACILITY</u> I-GHI
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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
IAH TOWER, IAH APP CON, ZHU ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KIAH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KIAH	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
BACK-UP ALTIMETER NOT REQUIRED DUE TO MULTIPLE ON AIRPORT BACK-UP SOURCES.

<u>PRIMARY NAVAID</u> I-GHI	<u>MONITOR POINT</u> IAH ATCT	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW15L - HIRL, C/LINE, PAPI-4R	NPI-G	APPROACH, MIDPOINT, ROLL OUT
RW33L - TDZ, HIRL, C/LINE, PAPI-4R	NPI-G	APPROACH, MIDPOINT, ROLL OUT
RW08L - TDZ, ALSF-2, HIRL, C/LINE	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW08R - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW09 - MALSR, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW15R - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW26L - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW26R - TDZ, ALSF-2, HIRL, C/LINE	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW27 - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW33R - MALSR, HIRL, C/LINE	PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 84.3	<u>TCH</u> 55.0	<u>ELEV GS ANTENNA</u> 80.0	<u>DISTANCE FROM RWY</u> 1035	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 70.3
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

ON CENTERLINE

☒

☒

FT FROM THRESHOLD

FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

QUALITY
42
CHECKED

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CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.



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)	AMDT NO. 11C	CITY HOUSTON	STATE TX	AIRPORT ELEVATION 96	FACILITY I-GHI
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.01
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.87
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	269.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	12.13
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	6.14
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	269.97
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD
COORDINATES
(IF STR-IN)

295839.41N/0951809.09W

ARP COORDINATES

295903.97N/0952029.19W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 27 DISTANCE 2.07 NM

FAF
COORDINATES

295839.45N/0951314.03W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
42
CHECKED

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<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>AMDT NO.</u> 11C	<u>CITY</u> HOUSTON	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 96	<u>FACILITY</u> I-GHI
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PART E: PREPARED BY

<u>NAME</u> JASON KRETSCHMER (DANIEL C JOHNSEN)	<u>OFFICE</u> AJV-A421	<u>DATE</u> 08/26/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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