

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GLS 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> GLS RWY 8R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> HOUSTON	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 96	<u>TDZE</u> 95	<u>SUPERSEDED</u> GLS RWY 8R	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> GLS	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> 02/23/2023	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WDLNS	IAF	POLLN		TF	FB	1.00	031.27	7.94	7000
POLLN		DPLOY		TF	FB	1.00	066.98	2.50	7000
TTORO	IAF	BGBUK		TF	FB	1.00	159.15	7.20	7000
BGBUK		LASSY		TF	FB	1.00	122.73	3.23	7000
LASSY	IAF	DPLOY		TF	FB	1.00	086.69	5.00	7000
DPLOY		JELLI		TF	FB	1.00	086.73	4.24	5000
JELLI	IF	REIGN		TF	FB	1.00	086.78	3.77	4000
REIGN		EELPO		TF	FB	1.00	086.81	3.92	3000
EELPO		MATON		TF	FB	1.00	086.85	3.61	2000
MATON	PFAF	RW08R	MAP	TF	FO	0.30	086.88	5.81	
RW08R	MAP	295 MSL		CA			086.88		
295 MSL		MKAYE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

GLS: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT MKAYE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT LASSY

3. **FAF:** 086.88 **PFAF:** MATON **DIST PFAF TO MAIP:** **DIST PFAF TO THLD:**

4. **MIN ALT:** LASSY 7000, DPLOY 7000, JELLI 5000, REIGN 4000, EELPO 3000, MATON 2000

5. **DIST TO THLD FROM PFAF:** 5.81 **MM:** **IM:** **150 HAT:** **GS ANT:**

6. **MIN GP INCPT:** 2000 **GP ALT AT PFAF:** MATON 2000 **OM:** **MM:** **IM:**

7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 54.8

8. **MSA FROM:** RW08R 3100

PBNREQUIREMENTS NOTES:

RNP APCH - GPS.

NOTES:

- CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
- CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
- CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 295.
- CHART PROFILE NOTE: VGSI AND GLS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
- CHART SPEED ICON IN PLANVIEW AT LASSY: MAX 210 KIAS.
- CHART SPEED ICON IN PLANVIEW AT WDLNS: MAX 210 KIAS.
- CHART SPEED ICON IN PLANVIEW AT TTORO: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

- HOLD E, RT, 267.17 INBOUND.
- GBAS CHANNEL # 20251
- REFERENCE PATH ID: G08A
- CHART MANDATORY 8000 AT TTORO.
- CHART MANDATORY 7000 AT WDLNS.
- LTP HAE: 1.3 M

MINIMUMS:

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

ALTERNATE: NA

CATEGORY:	A			B			C			D			E		
	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
GLS DA	295	1800	200	295	1800	200	295	1800	200	295	1800	200			



CHANGES - REASONS

1. ADDED PBN REQUIREMENT NOTE "RNP APCH - GPS". - NOTE ADDED IAW 8260.19I PARA 8-6-8(B)2.
2. REMOVED NOTE DME/DME RNP-0.3 NA. - NOTE NO LONGER APPLICABLE.
3. REMOVED NOTE GPS REQUIRED. - GPS REQUIREMENT INCORPORATED IN THE PBN EQUIPMENT REQUIREMENT NOTE.
4. ADDED INITIAL APPROACH SEGMENTS FROM TTORO TO BGBUK TO LASSY AND FROM WDLNS TO POLLN TO DPLOY. - ADDED PER FPT/ATC CHECKLIST.
5. REMOVED PLANVIEW NOTE RADAR REQUIRED. - ADDED INITIAL APPROACH SEGMENTS ATTACHES TO ENROUTE STRUCTURE.
6. UPDATED INTERMEDIATE AND INTERMEDIATE STEPDOWN SEGMENT RNP VALUE FROM 0.5 TO 1.0. - VALUES UPDATED IAW 8260.19I PARA 4-6-10F.
7. ADDED "20:1 IS CLEAR" TO PROFILE LINE 7. - ADDED IAW 8260.19I PARA 8-6-7G(3)A.
8. REMOVED CAT E MINIMUMS. - MINIMUMS REMOVED PER FPT E-MAIL COORDINATION DUE TO CAT E INABILITY TO ADHERE TO SPEED RESTRICTIONS WITHOUT WAIVERS.
9. UPDATED NOTE "USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE DURING SIMULTANEOUS OPERATIONS" TO "USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS". - NOTE UPDATED IAW 8260.19I PARA 8-6-11O(8)D.
10. UPDATED PROFILE NOTE "GLS UNUSABLE INSIDE DA" TO "AUTOPILOT COUPLED APPROACH NA BELOW 295". - NOTE UPDATED IAW 8260.19I PARA 8-6-11O(7).
11. UPDATED NOTE "SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8L AND RWY 9" TO "SIMULTANEOUS APPROACH AUTHORIZED". - UPDATED IAW 8260.19I PARA 8-6-11O(8)A.
12. UPDATED RPI FROM "GIAH" TO "G08A". - UPDATED IAW 8260.19I PARA 4-6-10B.
13. CRC REMAINDER UPDATED FROM "5E010130" TO "522A63F9". - LTP/PFAF ORTHOMETRIC HEIGHT UPDATED FROM +00294 TO +00287.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZHU, IAH APP CON, IAH TWR, AMGR

FLIGHT CHECKED BY
PENDING

OFFICE

DATE

Digitally signed by
JOHNNIE BAKER
Dec 09, 2022

DEVELOPED BY
NICHOLAS K. JACKSON *Digitally signed by*
NICHOLAS JACKSON
Nov 14, 2022

OFFICE
AJV-A431

DATE
07/19/2022

APPROVED BY
JOHNNIE BAKER

Digitally signed by
ERIC N SUSKI
Dec 07, 2022

OFFICE
AJV-A430

DATE

TITLE
MANAGER



**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GLSOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARD SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	14
AIRPORT IDENTIFIER	KIAH
RUNWAY	RW08R
APPROACH PERFORMANCE DESIGNATOR	1
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	G08A
LTP/FTP LATITUDE	295936.3025N
LTP/FTP LONGITUDE	0952117.8700W
LTP/FTP ELLIPSOIDAL HEIGHT	+00013
FPAP LATITUDE	295936.3815N
FPAP LONGITUDE	0951930.9540W
THRESHOLD CROSSING HEIGHT (TCH)	00054.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	
VERTICAL ALERT LIMIT (VAL)	
<u>CRC REMAINDER</u>	522A63F9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00287
FPAP ORTHOMETRIC HEIGHT	+00287



CITY AND STATE HOUSTON, TX	ELEVATION:95	TDZE:95	FACILITY	PROCEDURE NO./AMDT NO./ GLS RWY 8R, 2	SUP: GLS RWY 8R
	AIRPORT NAME		IDENTIFIER:		AMDT: 1B
	GEORGE BUSH INTCNTL/HOU STON		GIAH		EFFECTIVE DATE: 02/22/2023