

**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 9	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> HOUSTON	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 96	<u>TDZE</u> 90	<u>SUPERSEDED</u> GLS RWY 9	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 3E
<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>	<u>EPOCH YEAR</u> 2015

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
URANG	IAF	CHILT		TF	FB	1.00	086.69	5.02	5000
CHILT		MEDIC		TF	FB	1.00	086.74	4.25	4000
MEDIC	IF	DOHNN		TF	FB	1.00	086.77	3.77	4000
DOHNN		SAYNO		TF	FB	1.00	086.82	3.92	3000
SAYNO		HYWAY		TF	FB	1.00	086.85	4.67	2000
HYWAY	PFAF	RW09	MAP	TF	FO	0.30	086.89	5.84	
RW09	MAP	580 MSL		CA			086.89		580
580 MSL		JEBOX		DF	FO	1.00			3000

MISSED APPROACH

MAP:
GLS: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 580 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JEBOX AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. RPI CHANGED FROM "GUYO" TO "G09A". - UPDATED IAW 8260.19I PARA 4-6-10B.
2. REMOVED NOTE DME/DME RNP -0.3 NA. - NOTE NO LONGER REQUIRED.
3. UPDATED NOTE "SIMULTANEOUS APPROACH AUTHORIZED WITH 8L/R." TO "SIMULTANEOUS APPROACH AUTHORIZED". - UPDATED IAW 8260.19I PARA 8-6-110(8)A.
4. UPDATED PROFILE NOTE "GLS UNUSABLE INSIDE DA" TO "AUTOPILOT COUPLED APPROACH NA BELOW 290". - NOTE UPDATED IAW 8260.19I PARA 8-6-110(7).
5. UPDATED NOTE "USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS" TO "USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS". - UPDATED IAW 8260.19I PARA 8-6-110(8)D.
6. REMOVED RADAR REQUIRED PLANVIEW NOTE AND GPS REQUIRED NOTE. - NOTES NO LONGER REQUIRED.
7. ADDED PBN REQUIREMENT NOTE "RNP APCH - GPS". - NOTE ADDED IAW 8260.19I PARA 8-6-8(B)2.
8. UPDATED PROFILE NOTE "VGSi AND GLS GLIDEPATH NOT COINCIDENT" TO "VGSi AND GLS GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET})". - IAW 8260.19I PARA 8-6-9M(2).
9. CRC REMAINDER UPDATED FROM "83CBFBF2" TO "5EAD2384". - RPI UPDATED FROM "GUYO" TO "G09A".
10. RUNWAY TDZE UPDATED FROM 91 TO 90. - AIRNAV DATABASE UPDATE.
11. GLS DA MINIMUMS ALL CATS UPDATED FROM 291 TO 290. - TDZE UPDATED.

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 15, 2022

OFFICE

AJV-A431

DATE

10/27/2022

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	RW09
APPROACH PERFORMANCE DESIGNATOR	1
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	4
REFERENCE PATH IDENTIFIER (APPROACH ID)	G09A
LTP/FTP LATITUDE	295839.3360N
LTP/FTP LONGITUDE	0952002.7890W
LTP/FTP ELLIPSOIDAL HEIGHT	+00000
FPAP LATITUDE	295839.4070N
FPAP LONGITUDE	0951809.0905W
THRESHOLD CROSSING HEIGHT (TCH)	00049.6
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>	5EAD2384

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00274
FPAP ORTHOMETRIC HEIGHT	+00274



CITY AND STATE HOUSTON, TX	ELEVATION:91	TDZE:90	FACILITY	PROCEDURE NO./AMDT NO./ GLS RWY 9, 1C	SUP: GLS RWY 9
	AIRPORT NAME		IDENTIFIER:		AMDT: 1B
	GEORGE BUSH INTCNTL/HOU		GIAH		EFFECTIVE DATE: 02/22/2023
	STON				