

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW08L CLIMB TO 580 THEN CLIMBING LEFT TURN TO 4000 DIRECT CLEEP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 203.52 INBOUND. FAS OBST: 324 AAO 300100N/0952628W CHART: 636 TOWER 295934N/0952824W DISTANCE TO THLD FROM 200 HAT: 0.44 NM. CHART VDP AT 1.34 MILES TO RW08L* *LNAV ONLY. WAAS CHANNEL # 77826 REFERENCE PATH ID: W08A CHART MANDATORY 3000 AT LIMEE. CHART MANDATORY 6000 AT GUSHR. LTP HAE: .5 M											
GUSHR (IAF)	BEPEA (FB)	171.24 / 7.96	4000												
BEPEA	LIMEE (FB)	171.36 / 2.97	3000												
LIMEE	KABBY (FB)	123.01 / 3.57	3000												
MAAKO (IAF)	KABBY (FB)	086.69 / 4.99	3000												
KABBY	KICKM (FB)	086.74 / 4.24	3000												
KICKM (IF)	FLIBZ (FB)	086.78 / 7.84	3000												
FLIBZ	JACEN (FB)	086.85 / 3.27	2000												
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT KABBY 3. FAC: 086.88 FAF: JACEN DIST FAF TO MAP: 5.81 THLD: 5.81 4. MIN. ALT: KABBY 3000, KICKM 3000, FLIBZ 3000, JACEN 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: JACEN 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 59.0 34:1 IS CLEAR 8. MSA FROM: RW08L 3100															
				MAG VAR: 3E EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A											
STANDARD															
CATEGORY ==>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	295	2400	200	295	2400	200	295	2400	200	295	2400	200	295	2400	200
LNAV/VNAV DA	486	4000	391	486	4000	391	486	4000	391	486	4000	391	486	4000	391
LNAV MDA	580	2400	485	580	2400	485	580	5000	485	580	5000	485	580	5000	485
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3C (27F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO 1 1/4, AND LNAV CAT C/D/E VISIBILITY TO 1 3/8. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8R AND RWY 9. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 96 TDZE: 95		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:							
HOUSTON, TX		AIRPORT NAME:		GEORGE BUSH INTERCONTINENTAL/HOUSTON		RNAV (GPS) Z RWY 8L, AMDT 5B		5 MARCH 2015		AMDT: 5A					
										DATED 07/24/2014					

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JACEN (FAF)	RW08L (MAP) (FO)	086.88 / 5.81	
RW08L (MAP)	580 MSL	086.88	580
580 MSL	CLEEP (FO)		4000

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE AT GUSHR : MAX 210 KIAS.

CHART PLANVIEW NOTE AT MAAKO : MAX 210 KIAS.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

QUALITY
9
CHECKED

CITY AND STATE
HOUSTON, TX

ELEVATION: 96

TDZE: 95

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 8L, AMDT 5B

5 MARCH 2015

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AMDT: 5A

DATED: 07/24/2014

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIAH
RUNWAY	RW08L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	300025.7785N
LTP/FTP LONGITUDE	0952131.6470W
LTP/FTP ELLIPSOIDAL HEIGHT	+00005
FPAP LATITUDE	300025.8615N
FPAP LONGITUDE	0951949.2900W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

E97BDBA8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00278
FPAP ORTHOMETRIC HEIGHT	+00278

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CITY AND STATE

HOUSTON, TX

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FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 8L, AMDT 5B

5 MARCH 2015

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07/24/2014

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QUALITY
3 15
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1	2	3	4	5	6	7	8	9	0	1	2	3	15
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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PP 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KIAHK4PR08LZ RW08L001Z0000W08A0N3000257785W09521316470+000050300N3000258615W09519492900106750008000590F400350E97BDBA8
SUSAP KIAHK4PR08LZ RW08L002E +00278+00278LPV 77826

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KIAHK4SRW08LK4PG 0 18018003125 M

QUALITY
15
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CITY AND STATE HOUSTON, TX	ELEVATION: 96 TDZE: 95 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 8L, AMDT 5B 5 MARCH 2015	SUP:
				AMDT: 5A
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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GUSHR	GUSHR	010	IAF	IF		FB				AT 03000	AB 210
	GUSHR	BEPEA	020		TF		FB	1.0	171.2 (174.2T)	008.0	AA 04000	
	GUSHR	LIMEE	030		TF		FB	1.0	171.4 (174.4T)	003.0	AT 03000	
	GUSHR	KABBY	040		TF		FB	1.0	123.0 (126.0T)	003.6	AA 03000	
	GUSHR	KICKM	050		TF		FB	1.0	086.7 (089.7T)	004.2	AA 03000	
	MAAKO	MAAKO	010	IAF	IF		FB					AB 210
	MAAKO	KABBY	020		TF		FB	1.0	086.7 (089.7T)	005.0	AA 03000	
	MAAKO	KICKM	030		TF		FB	1.0	086.7 (089.7T)	004.2	AA 03000	
		KICKM	010	FACF	IF		FB				AA 03000	
		FLIBZ	011	SDF	TF		FB	0.5	086.8 (089.8T)	007.8	AA 03000	
		JACEN	020	FAF	TF		FB	0.5	086.9 (089.9T)	003.3	AA 02000	
		RW08L	030	MAP	TF		FO	0.3	086.9 (089.9T)	005.8	AT 00150	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		086.9 (089.9T)		AA 00580	
	CLEEP	050		DF	L	FO				AA 04000	
	CLEEP	060		HM	R	FO		203.5 (206.5T)	007.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BEPEA	N300526.35	W0954932.93	N3005.439	W09549.549
	CLEEP	N301738.95	W0951017.61	N3017.649	W09510.294
	FLIBZ	N300024.77	W0953158.72	N3000.413	W09531.979
	GUSHR	N301322.44	W0955028.14	N3013.374	W09550.469
	JACEN	N300025.24	W0952813.04	N3000.421	W09528.217
	KABBY	N300022.19	W0954553.21	N3000.370	W09545.887
	KICKM	N300023.27	W0954100.25	N3000.388	W09541.004
	LIMEE	N300228.43	W0954912.73	N3002.474	W09549.212
	MAAKO	N300020.69	W0955138.03	N3000.345	W09551.634
	RW08L	N300025.78	W0952131.65	N3000.430	W09521.528

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08L	00091	55

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15
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	AIRPORT NAME:			RNAV (GPS) Z RWY 8L, AMDT 5B	AMDT: 5A
	GEORGE BUSH INTERCONTINENTAL/HOUSTON	RNAV	5 MARCH 2015	DATED: 07/24/2014	