

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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 580 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JEBOX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 318.72 INBOUND. FAS OBST: 314 AAO 295912N/0952538W DISTANCE TO THLD FROM 200 HATH: 0.47 NM. CHART VDP AT 1.31 MILES TO RW09* *LNAV ONLY. WAAS CHANNEL # 72926 REFERENCE PATH ID: W09A CHART LOC RWY 8L AND RWY 8R. LTP HAE: .3 M											
URANG (IAF)	CHILT (FB)	086.69 / 5.02	5000												
CHILT	MEDIC (FB)	086.74 / 4.25	4000												
MEDIC (IF)	DOHNN (FB)	086.77 / 3.77	4000												
DOHNN	SAYNO (FB)	086.82 / 3.92	3000												
SAYNO	HYWAY (FB)	086.85 / 4.67	2000												
HYWAY (FAF)	RW09 (MAP) (FO)	086.89 / 5.84													
RW09 (MAP)	580 MSL	086.89	580												
580 MSL	JEBOX (FO)		3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT URANG 3. FAC: <u>086.89</u> FAF: <u>HYWAY</u> DIST FAF TO MAP: <u>5.84</u> THLD: <u>5.84</u> 4. MIN. ALT: URANG 5000, CHILT 5000, MEDIC 4000, DOHNN 4000, SAYNO 3000, HYWAY 2000 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>HYWAY 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.6</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW09 3100</u>				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	291	2400	200	291	2400	200	291	2400	200	291	2400	200	291	2400	200
LNAV/VNAV DA	525	5000	434	525	5000	434	525	5000	434	525	5000	434	525	5000	434
LNAV MDA	580	2400	489	580	2400	489	580	5000	489	580	5000	489	580	5000	489
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3C (27F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO 1 1/2 MILE, AND LNAV CAT C/D/E VISIBILITY TO 1 3/8 MILE. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8L/8R. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 96 THRE: 91		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 9					
HOUSTON, TX		AIRPORT NAME:		RNAV		RNAV (GPS) Z RWY 9, AMDT 5				AMDT: 4					
		GEORGE BUSH INTERCONTINENTAL/HOUSTON				29 MAY 2014				DATED 05/31/2012					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

CITY AND STATE
HOUSTON, TX

ELEVATION: 96 THRE: 91
AIRPORT NAME:
GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 9, AMDT 5
29 MAY 2014

SUP: RNAV (GPS) RWY 9
AMDT: 4
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RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KIAH
RUNWAY RW09
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09A
LTP/FTP LATITUDE 295839.3350N
LTP/FTP LONGITUDE 0952002.7885W
LTP/FTP ELLIPSOIDAL HEIGHT +00003
FPAP LATITUDE 295839.4065N
FPAP LONGITUDE 0951809.0935W
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) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

88FDC9B8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +00276
FPAP ORTHOMETRIC HEIGHT +00276

CITY AND STATE HOUSTON, TX	ELEVATION: 96 THRE: 91 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 9, AMDT 5 29 MAY 2014	SUP: RNAV (GPS) RWY 9
				AMDT: 4
				DATED: 05/31/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIAHK4FR09-Z AURANG	010URANGK4EA0E	A	IF						+ 05000	18000		A JS	
SUSAP KIAHK4FR09-Z AURANG	020CHILTK4EA0E		010TF				08670050		+ 05000		A JS		
SUSAP KIAHK4FR09-Z AURANG	030MEDICK4EA0EE	B	010TF				08670043		+ 04000		A JS		
SUSAP KIAHK4FR09-Z R	010MEDICK4EA0E	I	IF						+ 04000	18000		A JS	
SUSAP KIAHK4FR09-Z R	011DOHNNK4EA0E	S	051TF				08680038		+ 04000		A JS		
SUSAP KIAHK4FR09-Z R	012SAYNOK4EA0E	S	051TF				08680039		+ 03000		A JS		
SUSAP KIAHK4FR09-Z R	020HYWAYK4EA1E	F	051TF				08690047		+ 02000		RW09	K4PGA	JS
SUSAP KIAHK4FR09-Z R	020HYWAYK4EA2WALPV			ALNAV/VNAV	ALNAV								JS
SUSAP KIAHK4FR09-Z R	030RW09 K4PG0GY	M	031TF				08690058		00140	-300		A JS	
SUSAP KIAHK4FR09-Z R	040		0 M	CA			0869		+ 00580			A JS	
SUSAP KIAHK4FR09-Z R	050JEB0XK4EA0EY	R	DF						+ 03000			A JS	
SUSAP KIAHK4FR09-Z R	060JEB0XK4EA0EE	L	HM				31870040		+ 03000			A JS	

[illegible][illegible]

CITY AND STATE HOUSTON, TX	ELEVATION: 96	THRE: 91	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 9
	AIRPORT NAME:			RNAV (GPS) Z RWY 9, AMDT 5	AMDT: 4
	GEORGE BUSH INTERCONTINENTAL/HOUSTON		RNAV	29 MAY 2014	DATED: 05/31/2012

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	AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON			AMDT: 4
				DATED: 05/31/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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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
	URANG	URANG	010	IAF	IF		FB				AA 05000	
	URANG	CHILT	020		TF		FB	1.0	086.7 (089.7T)	005.0	AA 05000	
	URANG	MEDIC	030		TF		FB	1.0	086.7 (089.7T)	004.3	AA 04000	
		MEDIC	010	FACF	IF		FB				AA 04000	
		DOHNN	011	SDF	TF		FB	0.5	086.8 (089.8T)	003.8	AA 04000	
		SAYNO	012	SDF	TF		FB	0.5	086.8 (089.8T)	003.9	AA 03000	
		HYWAY	020	FAF	TF		FB	0.5	086.9 (089.9T)	004.7	AA 02000	
		RW09	030	MAP	TF		FO	0.3	086.9 (089.9T)	005.8	AT 00140	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		086.9 (089.9T)		AA 00580	
	JEBOX	050		DF	R	FO				AA 03000	
	JEBOX	060		HM	L	FO		318.7 (321.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHILT	N295835.62	W0954553.03	N2958.594	W09545.884
	DOHNN	N295837.53	W0953639.49	N2958.626	W09536.658
	HYWAY	N295838.86	W0952646.23	N2958.648	W09526.771
	JEBOX	N294425.30	W0950550.35	N2944.422	W09505.839
	MEDIC	N295836.71	W0954059.77	N2958.612	W09540.996
	SAYNO	N295838.21	W0953208.87	N2958.637	W09532.148
	URANG	N295834.09	W0955139.62	N2958.568	W09551.660
	RW09	N295839.34	W0952002.79	N2958.656	W09520.047

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00091	50

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	AIRPORT NAME: GEORGE BUSH		RNAV	RNAV (GPS) Z RWY 9, AMDT 5	AMDT: 4
	INTERCONTINENTAL/HOUSTON			29 MAY 2014	DATED: 05/31/2012