

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - 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		RNP: DA									
TTORO (IAF)		BGBUK (TF) (FB) (RNP 1.00)		159.18 / 7.20		7000		CLIMB TO 3000 ON TRACK 086.93 TO MKAYE AND HOLD.									
BGBUK		LASSY (TF) (FB) (RNP 1.00)		122.73 / 3.23		7000											
WDLNS (IAF)		POLLN (TF) (FB) (RNP 1.00)		031.27 / 7.94		7000											
POLLN		DPLOY (TF) (FB) (RNP 1.00)		066.98 / 2.50		7000											
LASSY (IAF)		DPLOY (TF) (FB) (RNP 1.00)		086.69 / 5.00		7000											
(SEE FORM 8260-10)																	
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)				2. PROFILE STARTS AT EELPO				ADDITIONAL FLIGHT DATA: HOLD E, RT, 267.17 INBOUND. CHART FAS OBST: 199 TREE 295919N/0952209W CHART FAS OBST: 205 TRMSN TWR 295912N/0952205W ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S DISTANCE TO THLD FROM 288 HATH: 0.73 NM. CHART MANDATORY 6000 AT HOWLN. #TCH 149.8 (DO NOT CHART) CHART MANDATORY 8000 AT TTORO. CHART MANDATORY 7000 AT WDLNS.									
3. FAC: 086.88 FAF: DIST FAF TO MAP: THLD:																	
4. MIN. ALT: EELPO 3000, MATON 2000																	
5. DIST TO THLD FROM OM: 5.81 MM: IM: 150 HAT: 100 HAT: GS ANT:																	
6. MIN GS INCPT: 2000 GS ALT AT: MATON 2000 OM: MM: IM:																	
7. GS ANGLE: 3.00 TCH: 54.8# 34:1 IS NOT CLEAR																	
8. MSA FROM: RW08R 3100																	
MINIMUMS				MAG VAR: 3E EPOCH YEAR: 2015													
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	
AUTHORIZATION REQUIRED																	
RNP 0.13 DA		383		4000		288		383		4000		288					
RNP 0.14 DA		441		4000		346		441		4000		346					
RNP 0.30 DA		492		4200		397		492		4200		397					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -3C (27F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE ADJACENT TO HOWLN: RF REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)																	
CITY AND STATE HOUSTON, TX				ELEVATION: 96 THRE: 95 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 8R, AMDT 1 29 MAY 2014				SUP: AMDT: ORIG DATED 05/31/2012			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (RNP) - STANDARD,**  
**INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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**TERMINAL ROUTES, (CONT.):**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DPLOY	JELLI (TF) (FB) (RNP 1.00)	086.73 / 4.24	5000
JELLI (IF)	REIGN (TF) (FB) (RNP 1.00)	086.78 / 3.77	4000
REIGN	EELPO (TF) (FB) (RNP 1.00)	086.81 / 3.92	3000
HOWLN (IF)	TEXXN (TF) (FB) (RNP 1.00)	267.24 / 3.68	6000
TEXXN	HHOOG (RF) (FB) (RNP 1.00)	(2.54 NM RADIUS CW (CFBSR))/3.45	4900
HHOOG	ROTTH (TF) (FB) (RNP 1.00)	345.13 / 0.77	4600
ROTTH	EELPO (RF) (FB) (RNP 1.00)	(2.70 NM RADIUS CW (CFBSS))/4.79	3000
EELPO	MATON (TF) (FB) (RNP 1.00)	086.85 / 3.61	2000
MATON (FAF)	RW08R (MAP) (TF) (FO)	086.88 / 5.81	
RW08R (MAP)	MKAYE (TF) (FO) (RNP 1.00)	086.93 / 22.91	3000

**NOTES, (CONT.):**

CHART PLANVIEW NOTE AT TTORO: MAX 210 KIAS.

CHART PLANVIEW NOTE AT WDLNS: MAX 210 KIAS.

CHART PLANVIEW NOTE AT LASSY: MAX 210 KIAS.

CHART PLANVIEW NOTE AT HOWLN: MAX 210 KIAS.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE RNP 0.13 ALL CATS VISIBILITY TO RVR 4500, INCREASE RNP 0.14 ALL CATS VISIBILITY TO RVR 5600, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/4 MILE.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8L AND RWY 9.

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

CHART PLANVIEW NOTE AT LASSY: RADAR REQUIRED FOR ARRIVALS AT LASSY.

**CITY AND STATE**

HOUSTON, TX

**ELEVATION: 96**

**THRE: 95**

**AIRPORT NAME:**

GEORGE BUSH INTERCONTINENTAL/HOUSTON

**FACILITY  
IDENTIFIER:**  
RNAV

**PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:**

RNAV (RNP) Y RWY 8R, AMDT 1  
29 MAY 2014

**SUP:**

**AMDT:** ORIG

**DATED:** 05/31/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (RNP)

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KIAHK4AIAH	0		120YHN29590400W095202920E003000096					1800018000C	MNAR	GEORGE BUSH INTERCONTINENTAL/H			

	1	2	3	4	5	6	7	8	9	0	1	2	3
TRM WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KIAHK4CBGBUK	K40	W	N30012471W095543982					E0032	NAR	BGBUK			
SUSAP KIAHK4CCFBSR	K40	A	N29560564W095320840					E0030	NAR	CNF (CFBSR)			
SUSAP KIAHK4CCFBSS	K40	A	N29565288W095320826					E0030	NAR	CNF (CFBSS)			
SUSAP KIAHK4CDPLOY	K40	C	N29593266W095455304					E0031	NAR	DPLOY			
SUSAP KIAHK4CEELPO	K40	C	N29593526W095320875					E0030	NAR	EELPO			
SUSAP KIAHK4CHHOOG	K40	W	N29553430W095345983					E0030	NAR	HHOOG			
SUSAP KIAHK4CHOWLN	K40	W	N29533221W095275490					E0029	NAR	HOWLN			
SUSAP KIAHK4CJELLI	K40	C	N29593375W095410003					E0030	NAR	JELLI			
SUSAP KIAHK4CLASSY	K40	C	N29593114W095513851					E0031	NAR	LASSY			
SUSAP KIAHK4CMATON	K40	C	N29593576W095275931					E0029	NAR	MATON			
SUSAP KIAHK4CMKAYE	K40	C	N29593498W094545507					E0026	NAR	MKAYE			
SUSAP KIAHK4CPOLLN	K40	W	N29584121W095483534					E0031	NAR	POLLN			
SUSAP KIAHK4CREIGN	K40	C	N29593456W095363971					E0030	NAR	REIGN			
SUSAP KIAHK4CROTTH	K40	W	N29561952W095351074					E0030	NAR	ROTTH			
SUSAP KIAHK4CTEXXN	K40	W	N29533307W095320903					E0030	NAR	TEXXN			
SUSAP KIAHK4CTTORO	K40	W	N30081710W095571219					E0032	NAR	TTORO			
SUSAP KIAHK4CWDLNS	K40	W	N29520691W095534404					E0032	NAR	WDLNS			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KIAHK4FH08RY	AHOWLN	010HOWLNK4PC0E	B	IF					06000	18000210		A-FS	
SUSAP KIAHK4FH08RY	AHOWLN	020TEXXNK4PC0E		010TF					+ 06000			A FS	
SUSAP KIAHK4FH08RY	AHOWLN	030HHOOGK4PC0E	R010RF		0025402672		34510035		+ 04900		CFBSR K4PCA	FS	
SUSAP KIAHK4FH08RY	AHOWLN	040ROTTHK4PC0E		010TF					+ 04600			A FS	
SUSAP KIAHK4FH08RY	AHOWLN	050EELPOK4PC0EE	R010RF		0027003451		08690048		+ 03000		CFBSS K4PCA	FS	
SUSAP KIAHK4FH08RY	ALASSY	010LASSYK4PC0E	A	IF						18000210		A-FS	
SUSAP KIAHK4FH08RY	ALASSY	020DPLOYK4PC0E		010TF					+ 07000			A FS	
SUSAP KIAHK4FH08RY	ALASSY	030JELLIK4PC0E	B	010TF					+ 05000			A FS	
SUSAP KIAHK4FH08RY	ALASSY	040REIGNK4PC0E		010TF					+ 04000			A FS	
SUSAP KIAHK4FH08RY	ALASSY	050EELPOK4PC0EE		010TF					+ 03000			A FS	
SUSAP KIAHK4FH08RY	ATTORO	010TTOROK4PC0E	A	IF					08000	18000210		A-FS	
SUSAP KIAHK4FH08RY	ATTORO	020BGBUKK4PC0E		010TF					+ 07000			A FS	
SUSAP KIAHK4FH08RY	ATTORO	030LASSYK4PC0E		010TF					+ 07000	210		A-FS	
SUSAP KIAHK4FH08RY	ATTORO	040DPLOYK4PC0E		010TF					+ 07000			A FS	
SUSAP KIAHK4FH08RY	ATTORO	050JELLIK4PC0E	B	010TF					+ 05000			A FS	

QUALITY  
2  
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96	THRE: 95	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Y RWY 8R, AMDT 1	AMDT: ORIG
	GEORGE BUSH		RNAV	29 MAY 2014	DATED: 05/31/2012
	INTERCONTINENTAL/HOUSTON				

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
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SUSAP KIAHK4FH08RY ATTORO	060REIGNK4PC0E	010TF	+ 04000		A FS
SUSAP KIAHK4FH08RY ATTORO	070EELPOK4PC0EE	010TF	+ 03000		A FS
SUSAP KIAHK4FH08RY AWDLNS	010WDLNSK4PC0E	A IF	07000	18000210	A-FS
SUSAP KIAHK4FH08RY AWDLNS	020POLLNK4PC0E	010TF	+ 07000		A FS
SUSAP KIAHK4FH08RY AWDLNS	030DPLOYK4PC0E	010TF	+ 07000		A FS
SUSAP KIAHK4FH08RY AWDLNS	040JELLIK4PC0E	B 010TF	+ 05000		A FS
SUSAP KIAHK4FH08RY AWDLNS	050REIGNK4PC0E	010TF	+ 04000		A FS
SUSAP KIAHK4FH08RY AWDLNS	060EELPOK4PC0EE	010TF	+ 03000		A FS
SUSAP KIAHK4FH08RY H	010EELPOK4PC0E	I IF	+ 03000	18000	A FS
SUSAP KIAHK4FH08RY H	020MATONK4PC1E	F 010TF	+ 02000		RW08R K4PGA FS
SUSAP KIAHK4FH08RY H	020MATONK4PC2W			A031A142A132	FS
SUSAP KIAHK4FH08RY H	030RW08RK4PG0GY	M 031TF	00150	-300	A FS
SUSAP KIAHK4FH08RY H	040MKAYEK4PC0EYM	010TF	+ 03000		A FS
SUSAP KIAHK4FH08RY H	050MKAYEK4PC0EE	R HM	26720040	+ 03000	A FS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KIAHK4GRW08R	0094020869 N29593630W095211787+0000 +0001600095000055150IIIAH1												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KIAHK4SRW08RK4PG	0 18018003125 M												

QUALITY  
2  
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CITY AND STATE <b>HOUSTON, TX</b>	ELEVATION: <b>96</b>	THRE: <b>95</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			<b>RNAV (RNP) Y RWY 8R, AMDT 1</b>	AMDT: <b>ORIG</b>
	<b>GEORGE BUSH</b>		<b>RNAV</b>	<b>29 MAY 2014</b>	DATED: <b>05/31/2012</b>
	<b>INTERCONTINENTAL/HOUSTON</b>				

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**  
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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
HOWLN	HOWLN	HOWLN	010		IF		FB				AT 06000	AB 210
HOWLN	TEXXN	TEXXN	020		TF		FB	1.0			AA 06000	
HOWLN	HOOOG	HOOOG	030		RF	R	FB	1.0		003.5	AA 04900	
HOWLN	ROTH	ROTH	040		TF		FB	1.0			AA 04600	
HOWLN	EELPO	EELPO	050		RF	R	FB	1.0		004.8	AA 03000	
LASSY	LASSY	LASSY	010	IAF	IF		FB					AB 210
LASSY	DPLOY	DPLOY	020		TF		FB	1.0			AA 07000	
LASSY	JELLI	JELLI	030		TF		FB	1.0			AA 05000	
LASSY	REIGN	REIGN	040		TF		FB	1.0			AA 04000	
LASSY	EELPO	EELPO	050		TF		FB	1.0			AA 03000	
TTORO	TTORO	TTORO	010	IAF	IF		FB				AT 08000	AB 210
TTORO	BGBUK	BGBUK	020		TF		FB	1.0			AA 07000	
TTORO	LASSY	LASSY	030		TF		FB	1.0			AA 07000	AB 210
TTORO	DPLOY	DPLOY	040		TF		FB	1.0			AA 07000	
TTORO	JELLI	JELLI	050		TF		FB	1.0			AA 05000	
TTORO	REIGN	REIGN	060		TF		FB	1.0			AA 04000	
TTORO	EELPO	EELPO	070		TF		FB	1.0			AA 03000	
WDLNS	WDLNS	WDLNS	010	IAF	IF		FB				AT 07000	AB 210
WDLNS	POLLN	POLLN	020		TF		FB	1.0			AA 07000	
WDLNS	DPLOY	DPLOY	030		TF		FB	1.0			AA 07000	
WDLNS	JELLI	JELLI	040		TF		FB	1.0			AA 05000	
WDLNS	REIGN	REIGN	050		TF		FB	1.0			AA 04000	
WDLNS	EELPO	EELPO	060		TF		FB	1.0			AA 03000	
	EELPO	EELPO	010	FACF	IF		FB				AA 03000	
	MATON	MATON	020	FAF	TF		FB	1.0			AA 02000	
	RW08R	RW08R	030	MAP	TF		PO	0.3			AT 00150	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	MKAYE	040		TF		FO	1.0			AA 03000	
	MKAYE	050		HM	R	FO		267.2 (270.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BGBUK	N300124.71	W0955439.82	N3001.412	W09554.664
	CFBSR	N295605.64	W0953208.40	N2956.094	W09532.140
	CFBSS	N295652.88	W0953208.26	N2956.881	W09532.138
	DPLOY	N295932.66	W0954553.04	N2959.544	W09545.884
	EELPO	N295935.26	W0953208.75	N2959.588	W09532.146
	HOOOG	N295534.30	W0953459.83	N2955.572	W09534.997
	HOWLN	N295332.21	W0952754.90	N2953.537	W09527.915
	JELLI	N295933.75	W0954100.03	N2959.563	W09541.001

QUALITY  
2  
CHECKED

CITY AND STATE <b>HOUSTON, TX</b>	ELEVATION: <b>96</b>	THRE: <b>95</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>GEORGE BUSH</b>		<b>RNAV</b>	<b>RNAV (RNP) Y RWY 8R, AMDT 1</b>	AMDT: <b>ORIG</b>
	<b>INTERCONTINENTAL/HOUSTON</b>			<b>29 MAY 2014</b>	DATED: <b>05/31/2012</b>

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
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LASSY	N295931.14	W0955138.51	N2959.519	W09551.642
MATON	N295935.76	W0952759.31	N2959.596	W09527.989
MKAYE	N295934.98	W0945455.07	N2959.583	W09454.918
POLLN	N295841.21	W0954835.34	N2958.687	W09548.589
REIGN	N295934.56	W0953639.71	N2959.576	W09536.662
ROTH	N295619.52	W0953510.74	N2956.325	W09535.179
TEXXN	N295333.07	W0953209.03	N2953.551	W09532.151
TTORO	N300817.10	W0955712.19	N3008.285	W09557.203
WDLNS	N295206.91	W0955344.04	N2952.115	W09553.734
RW08R	N295936.30	W0952117.87	N2959.605	W09521.298

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW08R	00095	55

QUALITY  
2  
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CITY AND STATE HOUSTON, TX	ELEVATION: 96      THRE: 95	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 8R, AMDT 1 29 MAY 2014	SUP:
	AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON			AMDT:      ORIG
				DATED:      05/31/2012