

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>		<b>ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29</b>		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.											
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.84 MILES AFTER HYWAY INT/5.68 DME OR AT I-UYO 0.17 DME FIX  CLIMB TO 580 THEN CLIMBING RIGHT TURN TO 3000 ON IAH VORTAC R-130 TO JEBX INT/IAH 18.33 DME AND HOLD, OR AS DIRECTED BY ATC.  ALTERNATE MA: CLIMB TO 580 THEN CLIMBING RIGHT TURN TO 3000 ON MHF VOR/DME R-296 TO JEBX INT/MHF 21.66 DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, LT, 309.94 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE JEBX INT/MHF 21.66 DME, LT, 295.50 INBOUND. FAS OBST: 314 AAO 295914N/0952539W CHART: 636 TOWER 295934N/0952824W CHART VDP AT 1.16 DME; DISTANCE VDP TO THLD 1.31 MILES. *LOC ONLY. CHART I-UYO DME ANTENNA IN PROFILE.											
URANG INT/ 27.30 DME (IAF)	CHILT INT/ 22.28 DME	086.95 / 5.02 (I-UYO)	5000												
CHILT INT/ 22.28 DME	MEDIC INT/ 18.04 DME	086.95 / 4.25 (I-UYO)	4000												
MEDIC INT/ 18.04 DME (IF)	DOHNN INT/ 14.27 DME	086.95 / 3.77 (I-UYO)	4000												
DOHNN INT/ 14.27 DME	SAYNO INT/ 10.35 DME	086.95 / 3.92 (I-UYO)	3000												
SAYNO INT/ 10.35 DME	HYWAY INT/ 5.68 DME	086.95 / 4.67 (I-UYO)	2000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT URANG 3. FAC: 086.95 FAF: HYWAY INT/ 5.68 DME DIST FAF TO MAP: 5.84 THLD: 5.84 4. MIN. ALT: URANG 5000, CHILT 5000, MEDIC 4000, DOHNN 4000, SAYNO 3000, HYWAY 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: 1916 100 HAT: 961 GS ANT: 1064 6. MIN GS INCPT: 2000 GS ALT AT: HYWAY 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.6 8. MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400				MAG VAR: 3E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A	ILS: STANDARD	LOC: 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
S-ILS 9 **	291	2400	200	291	2400	200	291	2400	200	291	2400	200	291	2400	200
S-LOC 9	580	2400	489	580	2400	489	580	5000	489	580	5000	489	580	5000	489
<b>NOTES:</b> SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 9: CAT A, B, C, D, RA 149, RVR 1400, HATh 150, DA 241 MSL. SA CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 9: CAT A, B, C, D, RA 99, RVR 1200, HATh 100, DA 191 MSL. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 96 THRE: 91		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
HOUSTON, TX		AIRPORT NAME:		I-UYO		ILS OR LOC RWY 9, AMDT 10 ILS RWY 9 (SA CAT I) ILS RWY 9 (SA CAT II) 5/29/2014						AMDT: 9			
		GEORGE BUSH INTERCONTINENTAL/HOUSTON										DATED 05/31/2012			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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.

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 9 CAT E VISIBILITY TO RVR 4000 AND S-LOC 9 CAT C/D/E VISIBILITY TO 1 3/8 MILE.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8L/R.  
CHART PLANVIEW NOTE: RADAR REQUIRED.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.  
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CITY AND STATE HOUSTON, TX	ELEVATION: 96	THRE: 91	FACILITY IDENTIFIER: I-UYO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 9, AMDT 10 ILS RWY 9 (SA CAT I) ILS RWY 9 (SA CAT II) 5/29/2014	SUP:
	AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	AMDT: 9			
	DATED: 05/31/2012				

## FLIGHT STANDARDS SERVICES - FAR PART 97.29

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIAHK4FI09	AURANG	010URANGK4PC0E	A	IF				+ 05000	18000			0 NS	
SUSAP KIAHK4FI09	AURANG	020CHILTK4PC0E		TF				+ 05000				0 NS	
SUSAP KIAHK4FI09	AURANG	030MEDICK4PC0E	B	TF				+ 04000				0 NS	
SUSAP KIAHK4FI09	AURANG	040DOHNNK4PC0E		TF				+ 04000				0 NS	
SUSAP KIAHK4FI09	AURANG	050SAYNOK4PC0EE		CF IUUYOK4	2670012308700039PI			+ 03000				0 NS	
SUSAP KIAHK4FI09	I	010SAYNOK4PC0E	I	IF IUUYOK4	26700123	PI	J	030000200018000				0 NS	
SUSAP KIAHK4FI09	I	020HYWAYK4PC0E	F	CF IUUYOK4	2670007708700047PI	H	0200002000			-300IAH	K4D	0 NS	
SUSAP KIAHK4FI09	I	030RW09 K4PGOGY	M	CF IUUYOK4	26700001808700058PI			00140		-300		0 NS	
SUSAP KIAHK4FI09	I	040	0 M	CA	0870			+ 00580				0 NS	
SUSAP KIAHK4FI09	I	050JEB0XK4PC0EY		CF IAH K4	1299018312990190D			+ 03000				0 NS	
SUSAP KIAHK4FI09	I	060JEB0XK4PC0EE	L	HM	3099T010			+ 03000				0 NS	

[illegible][illegible]

SUP:	
AMDT:	9
DATED:	05/31/2012

## FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KIAHK4IIUYO1 011090RW09 N29583941W0951757580870N29583539W0951950681013 10640364300E00305000086

[illegible]

CITY AND STATE  HOUSTON, TX	ELEVATION: 96	THRE: 91	FACILITY IDENTIFIER:  I-UYO	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:	
	AIRPORT NAME:			ILS OR LOC RWY 9, AMDT 10	AMDT:	9
	GEORGE BUSH INTERCONTINENTAL/HOUSTON			ILS RWY 9 (SA CAT I), ILS RWY 9 (SA CAT II)	DATED:	05/31/2012

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## ILS STANDARD INSTRUMENT APPROACH PROCEDURE

## FLIGHT STANDARDS SERVICES - FAR PART 97.29

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## ARINC SUMMARY - 424-18 - ILS

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				AA 05000	
	URANG	MEDIC	030		TF		FB				AA 04000	
	URANG	DOHNN	040		TF		FB				AA 04000	
	URANG	SAYNO	050		CF		FB		087.0 ( )	003.9	AA 03000	
		SAYNO	010	FACF	IF		FB				AA 03000	GI 02000
		HYWAY	020	FAF	CF		FB		087.0 ( )	004.7	GI 02000	GS 02000
		RW09	030	MAP	CF		FO		087.0 ( )	005.8	AT 00140	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		087.0 ( )		AA 00580	
	JEBOX	050		CF		FO		129.9 ( )	019.0	AA 03000	
	JEBOX	060		HM	L	FO		309.9 ( )	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IAH	N295724.90	W0952044.59	N2957.415	W09520.743
	IUYO (DME)	N295835.38	W0952013.58	N2958.590	W09520.226
	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
	IUYO (LOC)	N295839.41	W0951757.58	N2958.657	W09517.960

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00091	50

CITY AND STATE  
HOUSTON, TX

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

FACILITY  
IDENTIFIER:  
I-UYO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
ILS OR LOC RWY 9, AMDT 10  
ILS RWY 9 (SA CAT I), ILS RWY 9 (SA CAT II)  
5/29/2014

SUP:  
AMDT: 9  
DATED: 05/31/2012

## FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIAHK4FL09	AURANG	010URANGK4PC0E	A	IF				+ 05000	18000			0	NS
SUSAP KIAHK4FL09	AURANG	020CHILTK4PC0E		TF				+ 05000				0	NS
SUSAP KIAHK4FL09	AURANG	030MEDICK4PC0E	B	TF				+ 04000				0	NS
SUSAP KIAHK4FL09	AURANG	040DOHNNK4PC0E		TF				+ 04000				0	NS
SUSAP KIAHK4FL09	AURANG	050SAYNOK4PC0EE		CF IUYYOK4	2670012308700039PI			+ 03000				0	NS
SUSAP KIAHK4FL09	L	010SAYNOK4PC0E	I	IF IUYYOK4	26700123	PI		+ 03000	18000			0	NS
SUSAP KIAHK4FL09	L	020HYWAYK4PC0E	F	CF IUYYOK4	2670007708700047PI			+ 02000		IAH	K4D	0	NS
SUSAP KIAHK4FL09	L	030RW09 K4PG0GY M		CF IUYYOK4	2670001808700058PI			00140	-301			0	NS
SUSAP KIAHK4FL09	L	040	0 M	CA	0870			+ 00580				0	NS
SUSAP KIAHK4FL09	L	050JEBOXK4PC0EY		CF IAH K4	1299018312990190D			+ 03000				0	NS
SUSAP KIAHK4FL09	L	060JEBOXK4PC0EE	L	HM	3099T010			+ 03000				0	NS

[illegible][illegible]

SUP:	
AMDT:	9
DATED:	05/31/2012

## FLIGHT STANDARDS SERVICES - FAR PART 97.25

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SUSAP KIAHK4IIUYO1 011090RW09 N29583941W0951757580870N29583539W0951950681013 10640364300E00305000086

[illegible]

QUALITY  
2  
CHECK

CITY AND STATE  HOUSTON, TX	ELEVATION: 96	THRE: 91	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			ILS OR LOC RWY 9, AMDT 10	AMDT: 9
	GEORGE BUSH		I-UYO	ILS RWY 9 (SA CAT I)	DATED: 05/31/2012
	INTERCONTINENTAL/HOUSTON			ILS RWY 9 (SA CAT II) 5/29/2014	

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## LOC STANDARD INSTRUMENT APPROACH PROCEDURE

## FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

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				AA 05000	
	URANG	MEDIC	030		TF		FB				AA 04000	
	URANG	DOHNN	040		TF		FB				AA 04000	
	URANG	SAYNO	050		CF		FB		087.0 ()	003.9	AA 03000	
		SAYNO	010	FACF	IF		FB				AA 03000	
		HYWAY	020	FAF	CF		FB		087.0 ()	004.7	AA 02000	
		RW09	030	MAP	CF		FO		087.0 ()	005.8	AT 00140	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		087.0 ()		AA 00580	
	JEBOX	050		CF		FO		129.9 ()	019.0	AA 03000	
	JEBOX	060		HM	L	FO		309.9 ()	001.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IAH	N295724.90	W0952044.59	N2957.415	W09520.743
	IUYO (DME)	N295835.38	W0952013.58	N2958.590	W09520.226
	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
	IUYO (LOC)	N295839.41	W0951757.58	N2958.657	W09517.960

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW09	00091		50

CITY AND STATE  
HOUSTON, TX

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

FACILITY  
IDENTIFIER:  
I-UYO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
ILS OR LOC RWY 9, AMDT 10  
ILS RWY 9 (SA CAT I)  
ILS RWY 9 (SA CAT II) 5/29/2014

SUP:  
AMDT: 9  
DATED: 05/31/2012