

ILS - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.34 MILES AFTER EISEN INT/I-HUB 5.76 DME OR AT I-HUB 1.42 DME FIX CLIMB TO 2000 ON HUB VOR/DME R-040 RAYCI/HUB 15.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 220.35 INBOUND. FAS OBST: 259 AAO 293445N/0952051W CHART VDP AT 2.74 DME*; DISTANCE VDP TO THLD 1.32 MILES. *LOC ONLY. CHART CIRCLING ICON	
GEEEO (IAF)	CARCO (FB)	091.92 / 9.16	4000		
CARCO INT/I-HUB 15.71 DME (IF)	ELREN/I-HUB 8.71 DME	040.95 / 7.00 (I-HUB)	2000		
ELREN/I-HUB 8.71 DME	EISEN INT/I-HUB 5.76 DME	040.95 / 2.95 (I-HUB)	1500		
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT CARCO INT/I-HUB 15.71 DME 3. FAC: 040.95 FAF: EISEN INT/I-HUB 5.76 DME DIST FAF TO MAP: 4.34 THLD: 4.34 4. MIN. ALT: CARCO 4000, ELREN 2000, EISEN 1500 5. DIST TO THLD FROM OM: - MM: - IM: 829 150 HAT: 1776 100 HAT: 822 GS ANT: 1080 6. MIN GS INCPT: 1500 GS ALT AT: EISEN 1500 OM: - MM: - IM: 142 7. GS ANGLE: 3.00 TCH: 56.8 8. MSA FROM: HUB VOR/DME 3100				MAG VAR: 3E EPOCH YEAR: 2015	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		ILS: STANDARD # LOC: STANDARD @	
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 4	242	1800	200	242	1800
S-LOC 4	520	2400	478	520	2400
CIRCLING	520	1	474	520	1
NOTES: SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 4: CAT A, B, C, D, RA 146, RVR 1400, HATH 150, DA 192 MSL. CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 4: CAT A, B, C, D, RA 97, RVR 1200, HATH 100, DA 142 MSL. (SEE FORM 8260-10)					
CITY AND STATE		ELEVATION: 46 THRE: 42		FACILITY IDENTIFIER: I-HUB	
HOUSTON, TX		AIRPORT NAME: WILLIAM P HOBBY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 41 5/29/2014 ILS RWY 4 (SA CAT I) ILS RWY 4 (CAT II) , ILS RWY 4 (CAT III)	
		SUP:		AMDT: 40B	
		DATED		04/05/2012	

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NOTES, (CONT.): CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-4: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA. CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-ILS 4 CAT E VISIBILITY TO RVR 4000; S-LOC 4 CAT C/D/E VISIBILITY TO 1 3/8. CHART PLAN VIEW NOTE: GPS OR RADAR REQUIRED. SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.			
CITY AND STATE HOUSTON, TX	ELEVATION: 46 THRE: 42 AIRPORT NAME: WILLIAM P HOBBY	FACILITY IDENTIFIER: I-HUB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 41 5/29/2014 ILS RWY 4 (SA CAT I) ILS RWY 4 (CAT II) , ILS RWY 4 (CAT III)
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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ARINC PACKET - 424-18 - ILS

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	HUB	K4011710VDHW	N29392022W095163583	N29392022W095163583E0050000472	NARHOBBY								
SUSAD	KHOUK4 IHUB	K4010990 IT	IHUBN29392423W095160184	000360	NARWILLIAM P HOBBY								

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KHOUK4AHOU	0	076YHN29384351W095164400E003000046	1800018000C	MNAR	WILLIAM P HOBBY							

	1	2	3	4	5	6	7	8	9	0	1	2	3
TRM WP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KHOUK4CCARCO	K40	C	N29280153W095282891	E0030	NAR	CARCO						
SUSAP	KHOUK4CEISEN	K40	C	N29351269W095203458	E0029	NAR	EISEN						
SUSAP	KHOUK4CELREN	K40	C	N29330501W095225524	E0029	NAR	ELREN						
SUSAP	KHOUK4CGEERO	K40	W	N29284923W095385630	E0031	NAR	GEEEO						
SUSAP	KHOUK4CRAYCI	K40	C	N29495366W095041969	E0027	NAR	RAYCI						

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KHOUK4FI04	AGEEEO	010GEEEOK4PC0E	A	IF					18000		0	PS
SUSAP	KHOUK4FI04	AGEEEO	020CARCOK4PC0E	B	TF					+ 04000		0	PS
SUSAP	KHOUK4FI04	AGEEEO	030ELRENNK4PC0EE		CF IHUBK4	2210008704100070PI				+ 02000		0	PS
SUSAP	KHOUK4FI04	I	010ELRENNK4PC0E	I	IF IHUBK4	22100087	PI	J	020000150018000			0	NS
SUSAP	KHOUK4FI04	I	020EISENK4PC0E	F	CF IHUBK4	2210005804100030PI	H	0150001500		-300HUB	K4D	0	NS
SUSAP	KHOUK4FI04	I	030RW04 K4PG0GY	M	CF IHUBK4	2210001404100043PI		00099		-300		0	NS
SUSAP	KHOUK4FI04	I	040RAYCIK4PC0EYM		CF HUB K4	0404015004040160D		+ 02000				0	NS
SUSAP	KHOUK4FI04	I	050RAYCIK4PC0EE	R	HM	2204T010		+ 02000				0	NS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KHOUK4GRW04	0076020410	N29382080W095170716+0000	-00143000420000581501	IHUB3								

	1	2	3	4	5	6	7	8	9	0	1	2	3
ILS	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KHOUK4IHUB3	010990RW04	N29392253W0951559030410N29382554W0951655161060	10800463300E00305800042									

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

CITY AND STATE

HOUSTON, TX

ELEVATION: 46

THRE: 42

AIRPORT NAME:

WILLIAM P HOBBY

FACILITY

IDENTIFIER:

I-HUB

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS OR LOC RWY 4, AMDT 41 5/29/2014

ILS RWY 4 (SA CAT I)

ILS RWY 4 (CAT II), ILS RWY 4 (CAT III)

SUP:

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SUSAP KHOUK4SHUB K4D

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GEEEO	GEEEO	010	IAF	IF		FB					
	GEEEO	CARCO	020		TF		FB				AA 04000	
	GEEEO	ELREN	030		CF		FB		041.0 ()	007.0	AA 02000	
		ELREN	010	PACF	IF		FB				AA 02000 GI 01500	
		EISEN	020	FAF	CF		FB		041.0 ()	003.0	GI 01500 GS 01500	
		RW04	030	MAP	CF		FO		041.0 ()	004.3	AT 00099	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RAYCI	040		CF		FO		040.4 ()	016.0	AA 02000	
	RAYCI	050		HM	R	FO		220.4 ()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUB	N293920.22	W0951635.83	N2939.337	W09516.597
	IHUB (DME)	N293924.23	W0951601.84	N2939.404	W09516.031
	CARCO	N292801.53	W0952828.91	N2928.026	W09528.482
	EISEN	N293512.69	W0952034.58	N2935.212	W09520.576
	ELREN	N293305.01	W0952255.24	N2933.084	W09522.921
	GEEEO	N292849.23	W0953856.30	N2928.821	W09538.938
	RAYCI	N294953.66	W0950419.69	N2949.894	W09504.328
	RW04	N293820.80	W0951707.16	N2938.347	W09517.119
	IHUB (LOC)	N293922.53	W0951559.03	N2939.376	W09515.984

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW04	00042		58

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FLIGHT STANDARDS SERVICES - FAR PART 97.25

ARINC PACKET - 424-18 - LOC

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	GEEEO	ELREN	030		CF		FB		041.0()	007.0	AA 02000	
		ELREN	010	FACF	IF		FB				AA 02000	
		EISEN	020	FAF	CF		FB		041.0()	003.0	AA 01500	
		RW04	030	MAP	CF		FO		041.0()	004.3	AT 00099	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RAYCI	040		CF		FO		040.4()	016.0	AA 02000	
	RAYCI	050		HM	R	FO		220.4()	T01.0	AA 02000	

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