

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> WILLIAM P HOBBY	<u>AIRPORT ID</u> KHOU	<u>PROCEDURE NAME</u> ILS OR LOC RWY 31L	<u>ORIGINAL/AMENDMENT</u> 6D	<u>CITY</u> HOUSTON	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 46	<u>TDZE</u> 43	<u>SUPERSEDED</u> ILS OR LOC RWY 31L	<u>ORIGINAL/AMENDMENT</u> 6C	<u>DATED</u> 11/10/2016	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-UPU	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 APRIL 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BUNER/I-UPU 16.20 DME/RADAR	IF	LESLO/I-UPU 6.11 DME/RADAR					310.96	10.09 (I-UPU)	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: 6.28 NM AFTER LESLO/I-UPU 6.11 DME/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 3000 DIRECT VUH VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT BUNER
- FAC: 310.96 FAF: LESLO/I-UPU 6.11 DME/RADAR DIST FAF TO MAP: 6.28 DIST FAF TO THLD: 6.28
- MIN ALT: BUNER/I-UPU 16.20 DME/RADAR 4000, LESLO/I-UPU 6.11 DME/RADAR 2100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1097
- MIN GS INCPT: 2100 GS ALT AT FAF : LESLO/I-UPU 6.11 DME/RADAR 2100 OM: MM: IM:
- GP ANGLE: 3.00 34:1: 20:1: TCH: 57.9
- MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400

EQUIPMENT REQUIREMENTS NOTES:

RADAR OR DME REQUIRED FOR LOC ONLY.
RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.11 DME*
DISTANCE VDP TO THLD 1.28 NM
* LOC ONLY
FAS OBST: 239 AAO 293612N/0951303W.
HOLD SW, RT, 052.90 INBOUND

MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT C, D 800-2 1/4

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 31L	243	4000	200	243	4000	200	243	4000	200	243	4000	200			
S-LOC 31L	520	5500	477	520	5500	477	520	1 3/8	477	520	1 3/8	477			
CIRCLING	520	1	474	520	1	474	740	2 1/4	694	740	2 1/4	694			

CHANGES - REASONS

1. REMOVED PRIMARY MISSED APPROACH PROCEDURE, REPLACED WITH ALTERNATE MISSED APPROACH PROCEDURE - VOR MON DECOMMISSIONING OF HUB VOR/DME.
2. REPLACED NOTE "RADAR REQUIRED" WITH EQUIPMENT REQUIREMENTS NOTES - CURRENT DOCUMENTATION POLICY.
3. ADDITIONAL FLIGHT DATA, HOLDING PATTERN CHANGED FROM "HOLD W, RT, 104.02 INBOUND" TO "HOLD SW, RT, 052.90 INBOUND" - NEW HOLDING PATTERN LOCATION.
4. ADDITIONAL FLIGHT DATA, REMOVED REFERENCE TO ALTERNATE MA HOLDING PATTERN - ALTERNATE MISSED APPROACH IS NOW THE PRIMARY MISSED APPROACH.
5. ALTERNATE MINIMUMS, REMOVED NON-STANDARD ILS ALTERNATE MINIMUMS - ILS ALTERNATE MINIMUMS ARE STANDARD UNDER CURRENT POLICY.
6. MSA CHANGED FROM HUB VOR/DME TO IAH VORTAC - HUB VOR/DME DECOMMISSIONED.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZHU, HOU ATCT, AIRPORT MANAGER, ST. AV. DIR.

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

RUSS ROSLEWSKI
Nov 21, 2018

APPROVED BY

JULIE MORGAN
DAVID DANNER
Jan 08, 2019

OFFICE
Digitally signed by
DAVID DANNER

Jan 08, 2019
OFFICE
AJV-5421

OFFICE
AJV-5420

DATE

DATE
11/16/2018

DATE

TITLE
MANAGER

