

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

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 ID</u> KIAH	<u>PROCEDURE NAME</u> RNAV (RNP) Y RWY 8L	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> HOUSTON	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 96	<u>TDZE</u> 94	<u>SUPERSEDED</u> RNAV (RNP) Y RWY 8L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 09/13/2018	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<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>
GUSHR	IAF	BEPEA		TF	FB	1.00	171.24	7.96	4000
BEPEA		LIMEE		TF	FB	1.00	171.36	2.97	3000
LIMEE		KABBY		TF	FB	1.00	123.01	3.57	3000
MAAKO	IAF	KABBY		TF	FB	1.00	086.69	4.99	3000
KABBY		KICKM		TF	FB	1.00	086.74	4.24	3000
CASST	IF	WOUDZ		TF	FB	1.00	267.18	3.56	5400
WOUDZ		FLIBZ		RF	FB	1.00	(2.57 NM RADIUS CCW (CFRRF))	8.09	3000
KICKM	IF	FLIBZ		TF	FB	1.00	086.78	7.84	3000
FLIBZ		JACEN	PFAF	TF	FB	1.00	086.85	3.27	2000
JACEN	PFAF	RW8L	MAP	TF	FO	0.30	086.88	5.81	
RW8L	MAP	580 MSL		CA			086.88		580
580 MSL		CLEEP		DF	FO	1.00			4000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 580 THEN CLIMBING LEFT TURN TO 4000 DIRECT CLEEP AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT FLIBZ

3. FAC: 086.88 PFAF: JACEN DIST PFAF TO MAP: DIST PFAF TO THLD:

4. MIN ALT: FLIBZ 3000, JACEN 2000

5. DIST TO THLD FROM PFAF: 5.81 MM: IM: 150 HAT: 371 HAT: 0.99 GS ANT:

6. MIN GP INCPT: 2000 GP ALT AT PFAF : JACEN 2000 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 59.0

8. MSA FROM: RW08L 3100

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -2°C OR ABOVE 54°C.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

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

CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500.

CHART SPEED ICON IN PLANVIEW AT GUSHR: MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT MAAKO: MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT CASST: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 203.52 INBOUND.

CHART MANDATORY 6000 AT GUSHR.

CHART MANDATORY 3000 AT LIMEE.

CHART MANDATORY 3000 AT KABBY.

CHART AT OR ABOVE 3000 AT MAAKO.

CHART MANDATORY 6000 AT CASST.



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

ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.30 DA	465	3500	371	465	3500	371	465	3500	371	465	3500	371			

CHANGES - REASONS

1. INCORPORATED P-NOTAM AMENDMENTS: AMDT ORIG-B/ NOTAM 8/7530.
2. ADDED LEGS "CASST TO WOULDZ" AND "WOUDZ TO FLIBZ" IN TERMINAL ROUTES - NEW IF DOWNWIND TO ARC TURN SEGMENT ESTABLISHED TO AID IN THE SEQUENCING OF AIRCRAFT FOR EARLY TURN-ON; PER FPT AND IAH ATC.
3. UPDATED PROFILE LINE 2 FROM "PROFILE STARTS AT KABBY" TO "PROFILE STARTS AT FLIBZ" - FIRST COMMON POINT IS FLIBZ AFTER NEW IF ADDITION, IAW 8260.19I 8-6-7.B.(3).
4. UPDATED PROFILE LINE 4 FROM "KABBY 3000, KICKM 3000, FLIBZ 3000, JACEN 2000" TO "FLIBZ 3000, JACEN 2000" - KABBY AND KICKM REMOVED FROM PROFILE.
5. ADDED "371 HAT: 0.99" TO PROFILE LINE 5 - IAW 8260.19I 8-6-7.E.(3).
6. ADDED "20:1 IS CLEAR" TO LINE 7 - THERE ARE NO 20:1 PENETRATIONS TO RWY 1.
7. ADDED PBN REQUIREMENTS NOTE "RNP AR APCH - GPS" - IAW 8260.19I 8-6-8.B.(1).
8. DELETED "GPS REQUIRED" FROM NOTES SECTION - NOTE NO LONGER REQUIRED.
9. UPDATED BARO-VNAV NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -3C (27F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -2°C OR ABOVE 54°C" - TEMPERATURES UPDATED WITH MORE RECENT TEMP DATA, NOTE FORMAT IAW 8260.19I 8-6-10.R.
10. ADDED "CHART SPEED ICON IN PLANVIEW AT CASST: MAX 210 KIAS" TO NOTES - RESTRICTION FOR NEW IF SEGMENT PER ATC AND FPT, IAW 8260.19I 4-6-10.G.
11. ADDED "CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS" TO NOTES - NEW IF SEGMENT ADDED, IAW 8260.19I 8-6-7.B.(3).
12. UPDATED ALS INOP NOTE FROM "CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 MILE" TO "FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500" - VISIBILITY UPDATED TO INCORPORATE RVR AND IAW 8260.3E TABLE 3-3-1, NOTE FORMAT IAW 8260.19I 8-6-11.O.(3).
13. DELETED "CHART PLANVIEW NOTE AT MAAKO: RADAR REQUIRED FOR ARRIVALS AT MAAKO" FROM NOTES SECTION - IAW 8260.19I 8-6-9.G. NOTE, THIS NOTE IS NOT APPLICABLE TO RNP PROCEDURES.
14. DELETED "ROUTE TYPE: A, H", "ROUTE TYPE QUALIFIER 1: F", "ROUTE TYPE QUALIFIER 2: S", AND "#TCH 150.3 MSL (DO NOT CHART)" FROM ADDITIONAL FLIGHT DATA - NOTES NO LONGER REQUIRED.
15. UPDATED MISSED HOLDING IN ADDITIONAL FLIGHT DATA FROM "HOLD N, RT, 203.52 INBOUND" TO "HOLD NE, RT, 203.52 INBOUND" - CARDINAL DIRECTION UPDATED IAW 8260.19I TABLE 8-6-1.
16. ADDED "CHART MANDATORY 6000 AT CASST" TO ADDITIONAL FLIGHT DATA - RESTRICTION FOR NEW IF SEGMENT PER ATC AND FPT, IAW 8260.19I 8-6-10.N.
17. REMOVED "CHART FAS OBST: 203 BLDG 300026N/0952247W" FROM ADDITIONAL FLIGHT DATA - FAS OBSTACLES ONLY LISTED FOR NPA PROCEDURES IAW 8260.19I 8-6-10.C.
18. UPDATED RNP 0.30 DA/VIS/HAT FROM "510/4500/415" TO "465/3500/371" - PREVIOUS CONTROLLER ACCURACY CODE REDUCED FROM 5D TO 1A ELIMINATING IT FROM BEING A CONTROLLER, VIS UPDATED IAW 8260.3E TABLE 3-3-1.



AIRPORT ID
KIAH

PROCEDURE NAME
RNAV (RNP) Y RWY 8L

ORIGINAL/AMENDMENT
1

CITY
HOUSTON

STATE
TX

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, IAH APP CON, AMGR

FLIGHT CHECKED BY

CRAIG LARSON

Digitally signed by
JASON KRETSCHMER
Apr 09, 2022

OFFICE

FPO

DATE

04/06/2022

DEVELOPED BY

JASON KRETSCHMER (COLIN CAMPBELL)

Digitally signed by
JASON KRETSCHMER
Feb 23, 2022

OFFICE

AJV-A421

DATE

01/12/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
Feb 23, 2022

OFFICE

AJV-A420

DATE

TITLE
MANAGER

