

**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 27	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> HOUSTON	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 96	<u>TDZE</u> 86	<u>SUPERSEDED</u> RNAV (RNP) Y RWY 27	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 04/22/2021	<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>
CLSIK	IAF	GRUNG		TF	FB	1.00	245.63	4.11	4000
GRUNG		SILLS		TF	FB	1.00	267.24	6.21	4000
SILLS	IAF	TRANN		TF	FB	1.00	267.25	5.04	3000
TRANN		DENTO		TF	FB	1.00	267.12	4.23	2000
RDFSH	IAF	GEYGR		TF	FB	1.00	312.89	7.00	4000
GEYGR		SYYKO		TF	FB	1.00	313.47	4.00	3000
SYYKO		TRANN		TF	FB	1.00	287.02	3.00	3000
PRAYY	IF	WAALZ		TF	FB	1.00	087.15	2.89	5400
WAALZ		FESTA		RF	FB	1.00	(2.58 NM RADIUS CCW (CFFRT))	8.11	2000
DENTO	IF	FESTA		TF	FB	1.00	267.12	7.22	2000
FESTA		REDOC	PFAF	TF	FB	1.00	267.05	4.44	1500
REDOC	PFAF	RW27	MAP	TF	FO	0.30	267.01	4.27	
RW27	MAP	560 MSL		CA			267.01		560
560 MSL		TICOY		DF	FO	1.00			3000



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 560 THEN CLIMBING LEFT TURN TO 3000 DIRECT TICOY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT FESTA					
3. FAC: 267.01	PFAF: REDOC	DIST PFAF TO MAP:		DIST PFAF TO THLD:	
4. MIN ALT: FESTA 2000, REDOC 1500					
5. DIST TO THLD FROM PFAF: 4.27	MM:	IM:	150 HAT:	294 HAT: 0.76	GS ANT:
6. MIN GP INCPT: 1500	GP ALT AT PFAF : REDOC 1500	OM:	MM:	IM:	
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.0		
8. MSA FROM: RW27 3100					

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART SPEED ICON IN PLANVIEW AT CLSIK: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT RDFSH: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT PRAYY: MAX 210 KIAS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT RDFSH.
CHART MANDATORY 4000 AT CLSIK.
CHART MANDATORY 6000 AT PRAYY.
HOLD SW, RT, 031.22 INBOUND.
CHART MANDATORY 4000 AT SILLS.
CHART MANDATORY 4000 AT GEYGR.
CHART MANDATORY 3000 AT SYYKO.
CHART MANDATORY 3000 AT TRANN.



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	380	2400	294	380	2400	294	380	2400	294	380	2400	294			

CHANGES - REASONS

1. ADDED LEGS "PRAYY TO WAALZ" AND "WALLZ TO FESTA" 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.
2. UPDATED PROFILE LINE 2 FROM "PROFILE STARTS AT TRANN" TO "PROFILE STARTS AT FESTA" - FIRST COMMON POINT IS FESTA AFTER NEW IF ADDITION, IAW 8260.19I 8-6-7.B.(3).
3. UPDATED PROFILE LINE 4 FROM "TRANN 3000, DENTO 2000, FESTA 2000, REDOC 1500" TO "FESTA 2000, REDOC 1500" - TRANN AND DENTO REMOVED FROM PROFILE.
4. UPDATED PROFILE LINE 5 FROM "302 HAT: 0.78" TO "294 HAT: 0.76" - HAT ADJUSTED DUE TO REMOVAL OF XP ADJUSTMENT IN FINAL SEGMENT.
5. UPDATED PBN REQUIREMENTS NOTE FROM "RNP AR APCH" TO "RNP AR APCH - GPS" - IAW 8260.19I 8-6-8.B.(1).
6. ADDED "CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS" TO NOTES - NEW IF SEGMENT ADDED, IAW 8260.19I 8-6-7.B.(3).
7. ADDED "CHART SPEED ICON IN PLANVIEW AT PRAYY: MAX 210 KIAS" TO NOTES - RESTRICTION FOR NEW IF SEGMENT PER ATC AND FPT, IAW 8260.19I 4-6-10.G.
8. ADDED "CHART MANDATORY 6000 AT PRAYY" TO ADDITIONAL FLIGHT DATA - RESTRICTION FOR NEW IF SEGMENT PER ATC AND FPT, IAW 8260.19I 8-6-10.N.
9. UPDATED RNP 0.30 DA/HAT FROM "388/302" TO "380/294" - XP ADJUSTMENT REMOVED FROM FINAL SEGMENT.

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

01/11/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Feb 23, 2022

OFFICE

AJV-A420

DATE**TITLE**
MANAGER