

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
DEN	RNAV (RNP) Z RWY 17R	1	DENVER	CO		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
5434	5392	RNAV (RNP) Z RWY 17R	ORIG-C	02/01/2018	8E	2015
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		19 MARCH 2026	ROUTINE			

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>
QWIKE	IF	STAAM		TF	FB	1.00	352.62	3.00	10000
STAAM		DAVTE		RF	FB	1.00	(2.74 NM RADIUS CCW (CFFVM))	4.30	9000
DAVTE		PAYOG		TF	FB	1.00	262.59	0.87	8800
PAYOG		JNKBX		RF	FB	1.00	(2.74 NM RADIUS CCW (CFFVL))	4.30	7700
HISSY	IAF	HOOPE		TF	FB	1.00	172.53	2.75	11000
HOOPE	IF	JNKBX		TF	FB	1.00	172.53	10.69	7700
JNKBX		JOULE		TF	FB	1.00	172.53	2.39	7000
JOULE	PFAF	RW17R	MAP	TF	FO	0.30	172.53	4.92	
RW17R	MAP	5722 MSL		CA			172.53		
5722 MSL		WUTVO		DF	FB	1.00			
WUTVO		FQF VORTAC		TF	FB	1.00	155.58	6.55	
FQF VORTAC		HOHUM		TF	FO	1.00	200.00	22.49	11000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 11000 DIRECT WUTVO AND TRACK 155.58 TO FQF VORTAC AND TRACK 200.00 TO HOHUM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
34
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT JNKBX														
3.	FAC:	172.53	FAF:	JOULE	DIST FAF TO MAP:	DIST FAF TO THLD:									
4.	MIN ALT:	JNKBX 7700, JOULE 7000													
5.	DIST TO THLD FROM PFAF:	4.92	MM:	IM:	150 HAT:	330 HAT:	0.91	GS ANT:							
6.	MIN GP INCPT:	7000	GP ALT AT PFAF:	JOULE 7000		OM:		MM:		IM:					
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	55.0							
8.	MSA FROM:	RW17R 9300													

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM STAAM OR PAYOG: RF.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -26°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 SM
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS
CHART SPEED ICON IN PLANVIEW AT QWIK: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT HISSY: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 200.00 INBOUND.
CHART MANDATORY 11000 AT QWIK.
CHART MANDATORY 12000 AT HISSY.

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 0.10 DA	5722	2600	330	5722	2600	330	5722	2600	330	5722	2600	330			
RNP 0.30 DA	5894	5500	502	5894	5500	502	5894	5500	502	5894	5500	502			



CHANGES - REASONS

1. TERMINAL ROUTES ADDED INITIAL HISSY TO HOOPE – PER ATC REQUEST TO MAKE PROCEDURE CONGRUENT WITH ILS OR LOC RWY 17R IAP
2. TERMINAL ROUTES INTERMEDIATE STEPDOWN JNKBX TO JOULE DISTANCE CHANGED FROM 2.40 NM TO 2.39 NM – PFAF JOULE RELOCATED TO BE COINCIDENT WITH THE ILS OR LOC RWY 17R
3. TERMINAL ROUTES FINAL JOULE FIX TYPE CHANGED FROM FAF TO PFAF – IAW 8260.19J 8-6-4
4. TERMINAL ROUTES FINAL JOULE TO RW17R DISTANCE CHANGED FROM 4.91 NM TO 4.92 NM – PFAF JOULE RELOCATED TO BE COINCIDENT WITH ILS OR LOC RWY 17R
5. TERMINAL ROUTES MISSED APPROACH REMOVED SEGMENT RW17R TO JAKUR – MISSED APPROACH REDESIGNED PER ATC REQUEST
6. TERMINAL ROUTES MISSED APPROACH ADDED CA LEG RW17R TO 5722 MSL – MISSED APPROACH REDESIGNED PER ATC REQUEST
7. TERMINAL ROUTES MISSED APPROACH ADDED DF LEG 5722 MSL TO WUTVO – MISSED APPROACH REDESIGNED PER ATC REQUEST
8. TERMINAL ROUTES MISSED APPROACH ADDED TF LEG WUTVO TO FQF VORTAC – MISSED APPROACH REDESIGNED PER ATC REQUEST
9. TERMINAL ROUTES MISSED APPROACH ADDED TF LEG FQF VORTAC TO HOHUM – MISSED APPROACH REDESIGNED PER ATC REQUEST
10. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 10000 ON TRACK 172.53 TO JAKUR AND ON TRACK 199.97 TO HOHUM AND HOLD" TO "CLIMB TO 11000 DIRECT WUTVO AND TRACK 155.58 TO FQF VORTAC AND TRACK 200.00 TO HOHUM AND HOLD" – MISSED APPROACH REDESIGNED PER ATC REQUEST
11. PROFILE LINE 5 ADDED "330 HAT: 0.91" – IAW 8260.19J 8-6-7
12. PROFILE LINE 7 ADDED 20:1 IS CLEAR – NEW SURVEY
13. PROFILE LINE 7 CHANGED TCH FROM 59.6 TO 55.0 – NEW TCH COINCIDENT WITH ILS OR LOC RWY 17R IAP
14. PROFILE LINE 8 MSA FROM CHANGED FROM "RW17R 9400" TO "RW17R 9300" – NEW CONTROLLING OBSTACLE
15. PBN REQUIREMENT NOTE CHANGED FROM "GPS REQUIRED" TO "RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM QWIK: RF" AND MOVED FROM NOTES TO PBN REQUIREMENTS NOTE – IAW 8260.19J 8-6-8
16. NOTES REMOVED "RADAR REQUIRED – NO LONGER REQUIRED
17. NOTES CHANGED FROM "VGSI AND RNAV GLIDEPATH NOT COINCIDENT" TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" – IAW 8260.19J 8-6-10
18. NOTES CHANGED FROM "FOR INOPERATIVE MALSR, INCREASE RNP 0.10 ALL CATS VISIBILITY TO RVR 5000 AND RNP 0.15 ALL CATS VISIBILITY TO 1 3/8 MILE AND RNP 0.30 ALL CATS VISIBILITY TO 1 5/8 MILE" TO "FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 SM" – IAW 8260.3G TABLE 3-3-1, RNP 0.15 MINIMA NO LONGER PUBLISHED
19. NOTES REMOVED "ADJACENT TO QWIK: RF REQUIRED" – NO LONGER REQUIRED
20. NOTES CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -25C (-13F) OR ABOVE 10C (50F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -26°C OR ABOVE 54°C" – IAW 8260.19J 8-6-10 NEW 5 YEAR TEMPERATURE STUDY
21. NOTES ADDED "CHART PLANVIEW NOTE AT HISSY: MAX 210 KIAS" – PER ATC REQUEST FOR SPEED RESTRICTION AND TO MEET LEG LENGTH REQUIREMENTS FOR ATC VECTORS
22. ADDITIONAL FLIGHT DATA REMOVED "ROUTE TYPE QUALIFIER 1: F" - NO LONGER REQUIRED
23. ADDITIONAL FLIGHT DATA REMOVED "ROUTE TYPE QUALIFIER 2: S" – NO LONGER REQUIRED
24. ADDITIONAL FLIGHT DATA REMOVED "ROUTE TYPE: A, H" – NO LONGER REQUIRED
25. ADDITIONAL FLIGHT DATA REMOVED "#TCH 5410.3 MSL (DO NOT CHART)" – NO LONGER REQUIRED
26. ADDITIONAL FLIGHT DATA ADDED "CHART MANDATORY 12000 AT HISSY" – PER ATC REQUEST FOR MANDATORY ALTITUDE RESTRICTION AT IAF
27. ADDITIONAL FLIGHT DATA CHANGED FROM "HOLD N, RT, 200.00 INBOUND" TO "HOLD N, RT, 200.00 INBOUND" – MISSED HOLDING PATTERN TURN REVERSED PER ATC REQUEST
28. MINIMUMS RNP 0.10 DA VISIBILITY ALL CATS CHANGED FROM RVR 3200 TO RVR 2600 – IAW 8260.3G TABLE 3-3-1
29. MINIMUMS RNP 0.30 DA VISIBILITY ALL CATS CHANGED FROM RVR 6000 TO RVR 5500 – IAW 8260.3G TABLE 3-3-1

11/04/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/21/25:

1. NOTES REMOVED "CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS." - NO LONGER REQUIRED
2. CHANGED PBN REQUIREMENTS NOTE FROM "RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM QWIK: RF" TO "RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM STAAM OR PAYOG: RF."

COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZDV, DEN ATCT, DEN APP CON, CO AERO, AMGR

FLIGHT CHECKED BY

COLTON CROWDER

Digitally signed by

CASIMIR L TABAKA

Jan 14, 2026

OFFICE

AJF

DATE

01/06/2026

DEVELOPED BY

CHARLES HIRST

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CASIMIR L TABAKA

Jan 14, 2026

OFFICE

AJV-A431

DATE

07/11/2025

APPROVED BY

CASEY HILL

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Jan 14, 2026

OFFICE

AJV-A431

DATE

02/12/2026

TITLE

MANAGER

QUALITY

34

CHECKED