

**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> DEN	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 16R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> DENVER	<u>STATE</u> CO
<u>AIRPORT ELEVATION</u> 5434	<u>TDZE</u> 5326	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 16R	<u>DATED</u> 06/12/2025	<u>MAG VAR</u> 8E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2015
		<u>ACTUAL EFFECTIVE DATE</u> 19 MARCH 2026	<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>
TSHNR	IAF	PECIY		TF	FB	1.00	153.97	4.46	11500
KIPPR	IAF	HAYLY		TF	FB	1.00	248.52	4.63	12000
HAYLY		PECIY		TF	FB	1.00	214.81	3.79	11500
PECIY		BUDUJ		TF	FB	1.00	169.60	2.36	10600
BUDUJ		ZOREG		TF	FB	1.00	169.60	2.41	10000
KAILE	IAF	OGINE		TF	FB	1.00	116.15	1.90	10400
OGINE		ZOREG		TF	FB	1.00	150.18	2.58	10000
ZOREG		HAROS		TF	FB	1.00	169.60	2.65	10000
HAROS	IF	BRDOR		TF	FB	1.00	169.44	3.96	9000
BRDOR		FESKA		TF	FB	1.00	169.71	3.74	8000
FESKA		APASE		TF	FB	1.00	169.17	3.15	7000
CLFFF	IF	HELBY		TF	FB	1.00	352.54	3.40	10000
HELBY		APASE		RF	FB	1.00	(3.18 NM RADIUS CW (CFFVZ))	9.83	7000
APASE	PFAF	UJNOR	MAP	TF	FO	0.30	169.51	5.10	
UJNOR	MAP	5900 MSL		CA			169.51		5900
5900 MSL		CANRO		DF	FB	1.00			
CANRO		ZOOKS		TF	FO	1.00	224.38	11.83	10000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5900 THEN CLIMBING RIGHT TURN TO 10000 DIRECT CANRO AND ON TRACK 224.38 TO ZOOKS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT APASE														
3.	FAC:	169.51	PFAF:	APASE	DIST FAF TO MAP:	DIST FAF TO THLD:									
4.	MIN ALT:	APASE 7000													
5.	DIST TO THLD FROM PFAF:	5.10	MM:	IM:	150 HAT:	272 HAT:	0.69	GS ANT:							
6.	MIN GP INCPT:	7000	GP ALT AT PFAF:	APASE 7000		OM:		MM:		IM:					
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	55.1							
8.	MSA FROM:	UJNOR 10200													

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM CLFFF: RF.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -26°C OR ABOVE 54°C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 4500.
CHART SPEED ICON IN PLANVIEW AT TSHNR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT KIPPR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT KAILE: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT HAROS: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT CLFFF: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.00 DEGREES.
HOLD NE, RT, 229.00 INBOUND.
CHART MANDATORY 13000 AT TSHNR.
CHART MANDATORY 12000 AT KIPPR.
CHART MANDATORY 11000 AT KAILE.
CHART MANDATORY 11000 AT CLFFF.
FAC CROSSES RWY C/L EXTENDED 2600 FT FROM THLD.

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	5598	2400	272	5598	2400	272	5598	2400	272	5598	2400	272			



CHANGES - REASONS

1. REPLACED MISSED APPROACH FROM "CLIMB TO 5900 THEN CLIMBING RIGHT TURN TO 10000 DIRECT BINBE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000" WITH "CLIMB TO 5900 THEN CLIMBING RIGHT TURN TO 10000 DIRECT CANRO AND ON TRACK 224.83 TO ZOOKS AND HOLD" WITH CHANGES REFLECTED IN TERMINAL ROUTES - REQUESTED BY ATC/FPT TO MEET TRIPLE WIDELY SPACED SIMULTANEOUS INDEPENDENT PARALLEL INSTRUMENT APPROACH (SIPIA) OPERATIONS CRITERIA.
2. PROFILE LINE 7: CHANGED TCH FROM 55.0 TO 55.1 - TO MATCH ILS OR LOC RWY 16R DESIGN TCH.
3. CHANGED PBN REQUIREMENTS NOTE FROM "RNP AR APCH - GPS." TO "RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM CLFFF: RF." - PER 8260.19J PARA. (5)(B)1 AND 2.
4. CHANGED MISSED HOLDING FROM 'HOLD E, RT, 257.46 INBOUND' TO 'HOLD NE, RT, 229.00 INBOUND' IN ADDITIONAL FLIGHT DATA - NEW MISSED APPROACH CLEARANCE LIMIT AND HOLD PATTERN.
5. REMOVED PFAF FROM FIX TYPE COLUMN OF INTERMEDIATE STEPDOWNES FESKA-APASE AND HELBY-APASE IN TERMINAL ROUTES - NOT REQUIRED.
6. PROFILE LINE 5: CHANGED DIST TO THLD FROM 271 HAT: 0.69 TO 272 HAT: 069 - AVERAGE COLD TEMPERATURE (ACT) CHANGED FROM -25C TO -26C BASED ON UPDATED 5-YEAR WEATHER HISTORY.
7. CHANGED RNP 0.30 DA/HAT FROM 5597/271 TO 5598/272 - AVERAGE COLD TEMPERATURE (ACT) CHANGED FROM -25C TO -26C BASED ON UPDATED 5-YEAR WEATHER HISTORY.

COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☒

HAI

☐

NBAA

☒

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

FLIGHT CHECKED BY

NATHAN J CHOTT

Digitally signed by

RAKE MCGRAW

Jan 15, 2026

OFFICE

AJF

DATE

12/17/2025

Digitally signed by

RAKE MCGRAW

Jan 15, 2026

OFFICE

AJV-A422

DATE

10/07/2025

Digitally signed by

RAKE MCGRAW

Jan 15, 2026

OFFICE

AJV-A420

DATE

02/12/2026

TITLE

MANAGER

APPROVED BY

BEV L BORDY

