

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) 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 (GPS) Y RWY 34L	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> DENVER	<u>STATE</u> CO
<u>AIRPORT ELEVATION</u> 5434	<u>TDZE</u> 5327	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 34L	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 8E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MARCH 2026	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2015
			<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
COGGG	IAF	KALHR		TF	FB	1.00	352.51	2.91	10000
KALHR	IF	MERKL		TF	FB	1.00	352.51	3.24	10000
MERKL		RNOLD		TF	FB	1.00	352.51	4.08	9000
RNOLD		WINTR		TF	FB	1.00	352.51	6.68	7000
WINTR	FAF	WOGIN/2.20 NM TO RW34L		TF	FB	0.30	352.51	2.90	
WOGIN/2.20 NM TO RW34L		RW34L	MAP	TF	FO	0.30	352.51	2.20	
RW34L	MAP	5900 MSL		CA			352.51		5900
5900 MSL		HYGEN		DF	FO	1.00			11000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW34L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5900 THEN CLIMBING LEFT TURN TO 11000 DIRECT HYGEN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- PROFILE STARTS AT KALHR
- FAC: 352.51 FAF: WINTR DIST FAF TO MAP: 5.10 DIST FAF TO THLD: 5.10
- MIN ALT: KALHR 10000, MERKL 10000, RNOLD 9000, WINTR 7000, WOGIN/2.20 NM TO RW34L 6060
- DIST TO THLD FROM PFAF: MM: IM: 150 HAT: 200 HAT: 0.46 GS ANT: IM:
- MIN GP INCPT: 7000 GP ALT AT PFAF: WINTR 7000 OM: MM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 54.9
- MSA FROM: RW34L 10200

QUALITY
39
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART SPEED ICON IN PLANVIEW AT COGGG: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT KALHR: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 309.00 INBOUND.
CHART FAS OBST: 5463 POLE (08-022457) 394950N/1044234W.
CHART VDP AT 1.01 NM TO RW34L.
WAAS CHANNEL # 45619
REFERENCE PATH ID: W34A
CHART MANDATORY 10000 AT COGGG.
CHART MANDATORY 10000 AT MERKL.
LTP HAE: 1605.6 M

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
LPV DA	5527	1800	200	5527	1800	200	5527	1800	200	5527	1800	200			
LNAV/VNAV DA	5664	3500	337	5664	3500	337	5664	3500	337	5664	3500	337			
LNAV MDA	5720	2400	393	5720	2400	393	5720	3500	393	5720	3500	393			

CHANGES - REASONS

1. TERMINAL ROUTES ADDED COGGG TO KALHR - ATC REQUEST TO MIRROR ILS.
2. MISSED APPROACH INSTRUCTIONS CHANGED FROM CLIMB TO 5900 THEN CLIMBING LEFT TURN TO 10000 DIRECT HYGEN AND HOLD TO CLIMB TO 5900 THEN CLIMBING LEFT TURN TO 11000 DIRECT HYGEN AND HOLD - ATC REQUEST RAISE ALTITUDE TO 11000.
3. MINIMUMS CHANGED LNAV/VNAV DA FROM 5663/336 TO 5664/337 ALL CATS - NEW MISSED APPROACH PENETRATION.
4. NOTES ADDED CHART SPEED ICON IN PLANVIEW AT COGGG: MAX 210 KIAS - ADDED FIX TO IAP TO MIRROR ILS.
5. NOTES CHANGED FROM CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L/R TO CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED - 8260.19 K 8-6-12 8 A
6. ADDITIONAL FLIGHT DATA ADDED CHART MANDATORY 10000 AT COGGG, CHART MANDATORY 10000 AT MERKL - MIRROR ILS.
7. FAS DATA BLOCK FPAP LAT LONG UPDATED FROM 395344.8700N/1044145.8900W TO 395344.9070N/1044145.9000W - NEW AIRNAV DATA.
8. FAS DATA BLOCK CRC REMAINDER CHANGED FROM 04DB39C6 TO 0A28DAB6 - NEW FPAP LAT LONG.

- 10/29/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/16/25.
1. ADDED CHART SPEED ICON IN PLANVIEW AT KALHR: MAX 210 KIAS.
 2. REMOVED LINE 5 DIST TO THLD FROM PFAF: 5.10.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

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

FLIGHT CHECKED BY

NATHAN J CHOTT

Digitally signed by

ROBERT G HAMILTON

Jan 14, 2026

OFFICE

AJF

DATE

12/18/2025

DEVELOPED BY

JOSHUA DUGAN

Digitally signed by

ROBERT G HAMILTON

Jan 14, 2026

OFFICE

AJV-A433

DATE

07/16/2025

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Jan 14, 2026

OFFICE

AJV-A433

DATE

02/12/2026

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KDEN
RW34L
0
Y
0
W34A
395106.7925N
1044147.7165W
+16056
395344.9070N
1044145.9000W
00054.9
F
03.00
135.75
0000
40.0
35.0

CRC REMAINDER

9F93807C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K2
+16237
+16237

