

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
DEN	RNAV (GPS) Y RWY 16R	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SUPERSEDED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	5326	RNAV (GPS) Y RWY 16R	ORIG	11/30/2023	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		21 MARCH 2024	03/21/2024			

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>
KAILE	IAF	OGINE		TF	FB	1.00	116.15	1.90	10400
OGINE		ZOREG		TF	FB	1.00	150.18	2.58	10000
TSHNR	IAF	PECIY		TF	FB	1.00	153.97	4.46	11500
PECIY		BUDUJ		TF	FB	1.00	169.60	2.36	10600
ZOREG		HAROS		TF	FB	1.00	169.60	2.65	10000
BUDUJ		ZOREG		TF	FB	1.00	169.60	2.41	10000
KIPPR	IAF	HAYLY		TF	FB	1.00	248.52	4.63	12000
HAYLY		PECIY		TF	FB	1.00	214.81	3.79	11500
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
APASE	FAF	UJNOR	MAP	TF	FO	0.30	169.51	5.10	
UJNOR	MAP	5900 MSL		CA			169.51		5900
5900 MSL		BINBE		DF	FO	1.00			10000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: UJNOR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5900, THEN CLIMBING RIGHT TURN TO 10000 DIRECT BINBE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT HAROS														
3.	FAC:	169.51	FAF:	APASE	DIST FAF TO MAP:	5.10	DIST FAF TO THLD:	5.10							
4.	MIN ALT:	HAROS 10000, BRDOR 9000, FESKA 8000, APASE 7000													
5.	DIST TO THLD FROM OM:		MM:	IM:	150 HAT:		250 HAT:	0.62	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:	55.0							
8.	MSA FROM:	UJNOR 10200													

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24°C OR ABOVE 54°C.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4000.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART SPEED ICON IN PLANVIEW AT KAILE: MAX 210 KIAS.

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 HAROS: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 257.46 INBOUND.
CHART FAS OBST: 5391 TOWER (08-022496) 395340N/1044118W.
CHART VDP AT 0.84 NM TO UJNOR.
WAAS CHANNEL # 53546
REFERENCE PATH ID: W16B
CHART MANDATORY 11000 AT KAILE.
CHART MANDATORY 13000 AT TSHNR.
CHART MANDATORY 12000 AT KIPPR.
FAC CROSSES RWY C/L EXTENDED 2606 FT FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.00 DEGREES.
FTP HAE: 1604 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	5576	2400	250	5576	2400	250	5576	2400	250	5576	2400	250			QUALITY
LNAV/VNAV DA	5582	2400	256	5582	2400	256	5582	2400	256	5582	2400	256			26
LNAV MDA	5660	2400	334	5660	2400	334	5660	2600	334	5660	2600	334			CHECKED

CHANGES - REASONS

1. TERMINAL ROUTES ADDED STEPDOWN FIXES BRDOR AND FESKA - TCAS DECONFLICTION FOR SIMULTANEOUS OPERATIONS.
2. MINIMUMS UPDATED LNAV CAT C AND CAT D VIS FROM 2400 TO 2600 - IAW 8260.3E TABLE 3-3-1.
3. ADDED "BRDOR 9000,FESKA 8000" TO MIN ALT IN PROFILE LINE 4 - ADDED STEPDOWN FIXES BRDOR AND FESKA.
4. FAS DATA FPAP LAT LONG CHANGED FROM .8060/.1270 TO .8065/.1225 - NEW TARGETS EVAL
5. FAS DATA CRC REMAINDER CHANGED FROM 356C2EAB TO E28A6FFA - NEW FPAP COORDINATES.

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER:

ZDV, DEN ATCT, DEN APP CON, APT MGR

FLIGHT CHECKED BY

Digitally signed by

ERIC N SUSKI

Jan 11, 2024

OFFICE

DATE

PENDING

DEVELOPED BY

Digitally signed by

ERIC N SUSKI

Jan 11, 2024

OFFICE

AJV-A431

DATE

10/13/2023

JOSHUA DUGAN

APPROVED BY

Digitally signed by

ERIC N SUSKI

Jan 11, 2024

OFFICE

AJV-A431

DATE

TITLE

MANAGER

ERIC N SUSKI

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

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)

0
0
KDEN
RW16R
0
Y
0
W16B
395344.8900N
1044144.1500W
+16040
395215.8065N
1044139.1225W
00055.0
F
03.00
106.75
0000
40.0
50.0

CRC REMAINDER

E28A6FFA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K2
+16221
+16221

