

**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</u> CENTENNIAL	<u>AIRPORT ID</u> KAPA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35R	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> DENVER	<u>STATE</u> CO	21 MAY 2020
<u>AIRPORT ELEVATION</u> 5885	<u>TDZE</u> 5885	<u>SUPERSEDED</u> RNAV (GPS) RWY 35R	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 11/10/2016	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MAY 2020	<u>REQUIRED EFFECTIVE DATE</u> 05/21/2020	<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>
XPATH	IAF	XBEEE		TF	FB	1.00	350.45	4.32	9000
XBEEE	IAF	FIRPI		TF	FB	1.00	349.95	4.02	9000
FIRPI	IF	JIDOG		TF	FB	1.00	349.95	6.43	8000
JIDOG	FAF	YAGUG/3.42 NM TO RW35R		TF	FB	0.30	349.96	2.86	
YAGUG/3.42 NM TO RW35R		LECET/2.32 NM TO RW35R		TF	FB	0.30	349.96	1.09	
LECET/2.32 NM TO RW35R		RW35R	MAP	TF	FO	0.30	349.96	2.32	
RW35R	MAP	8200 MSL		CA			349.96		8200
8200 MSL		BPUTN		DF	FO	1.00			9600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW35R

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 240 KIAS UNTIL BPUTN) CLIMB TO 8200 THEN CLIMBING LEFT TURN TO 9600 DIRECT BPUTN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)	
2.	PROFILE STARTS AT FIRPI				
3. FAC:	349.96	FAF: JIDOG	DIST FAF TO MAP: 6.27	DIST FAF TO THLD: 6.27	
4. MIN ALT:	FIRPI 9000, JIDOG 8000, YAGUG/3.42 NM TO RW35R 7060*, LECET/2.32 NM TO RW35R 6700*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:
6. MIN GP INCPT: 8000	GP ALT AT FAF : JIDOG 8000		OM:	MM:	IM:
7. GP ANGLE: 3.10	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 50.6		
8. MSA FROM:	RW35R 12700				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 35L NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM.
CHART SPEED ICON IN PLANVIEW AT XPATH: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT FIRPI: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART MANDATORY 11000 AT XPATH.
CHART MANDATORY 9000 AT XBEEE.
CHART MANDATORY 9000 AT FIRPI.
CHART VDP AT 1.40 NM TO RW35R*
*LNAV ONLY
WAAS CHANNEL #40339
REFERENCE PATH ID: W35A
CHART FAS OBST: 6129 TRANSMISSION LINE 393113N/1045053W.
CHART: 6205 ELECTRICAL SYSTEM 393053N/1045056W.
HOLD N, LT, 172.25 INBOUND
LTP HAE: 1776.6 M



MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 900-2 3/4

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	6085	1/2	200	6085	1/2	200	6085	1/2	200	6085	1/2	200			
LNAV/VNAV DA	6324	3/4	439	6324	3/4	439	6324	3/4	439	6324	3/4	439			
LNAV MDA	6380	1/2	495	6380	1/2	495	6380	1	495	6380	1	495			
CIRCLING	6400	1	515	6540	1	655	6740	2 1/2	855	6760	2 3/4	875			

CHANGES - REASONS

1. REPLACE NOTE: DME/DME RNP-0.3 NA WITH PBN REQUIREMENTS NOTE: RNP APCH - IAW 8269.19H, 8-6-8.
2. ADDED LINE 7, NOTE "20:1 IS CLEAR" - IAW 8260.19H PARA 8-6-7.G.(3).
3. ADDITIONAL FLIGHT DATA UPDATE: CHANGED "CHART VDP: 1.41 NM TO RW35R*" TO "CHART VDP: 1.40 NM TO RW35R" - VDP RECALCULATION UPDATE.
4. REMOVED FAHRENHEIT VALUES FROM UNCOMPENSATED BARO-VNAV NOTE AND AMENDED HIGH TEMP LIMIT FROM 36C TO 54C - FAHRENHEIT NO LONGER REQUIRED. HIGH TEMP RECOMPUTED IAW 8260.58A, 3-3-4A(1)(B).
5. AMENDED INITIAL SEGMENT XBEE TO FIRPI COURSE/DISTANCE FROM 350.25/2.91 TO 349.95/4.02 - XBEE MOVED 6732 FT SOUTH.
6. ADDED FINAL LEG SEGMENT FROM JIDOG TO YAGUG/3.42 NM TO RW35R COURSE/DISTANCE 349.96/2.86 - STEPDOWN FIX YAGUG ADDED.
7. ADDED FINAL LEG SEGMENT FROM YAGUG/3.42 NM TO RW35R TO LECET/2.32 NM TO RW35R COURSE/DISTANCE 349.96/1.09 - STEPDOWN FIX YAGUG ADDED.
8. AMENDED FINAL LEG FROM LECET/2.32 NM TO RW35R TO RW35R COURSE/DISTANCE 349.96/2.32 - LECET MOVED 347 FT NORTH.
9. ADDED DO NOT EXCEED 240 KIAS UNTIL BPTUN TO MA INSTRUCTION - ATC REQUEST IN CHECKLIST FOR AIRSPACE CONGESTION.
10. CRC REMAINDER CHANGED FROM A93F78B8 TO 3F93A9F0 - LTP LATITUDE/LONGITUDE CHANGED FROM 393324.1500N/1045100.7600W TO 393324.1740N/1045100.7410W. FPAP LATITUDE/LONGITUDE CHANGED FROM 393502.9100N/1045105.3100W TO 393502.9510N/1045105.3060W.
11. AMENDED CHART NOTE FROM: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY TO 1 3/8 MILE TO FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM - VISCHECK RE-CALCULATION UPDATE.
12. CHANGED LNAV/VNAV ALL CATS DA/HAT/VIS FROM 6322/437/1 TO 6324/439/3/4 - CONTROLLING OBSTACLE UPDATE, VISCHECK CALCULATION UPDATE.
13. CHANGED CIRCLING CAT D MDA/HAA CHANGED FROM 6900/1015 TO 6760/875/2 3/4 - NEW CONTROLLING OBSTACLE UPDATE.
14. ADDITIONAL FLIGHT DATA UPDATE: DELETED 6296 TREE 393043N/1045117W AND 6620 AAO 392922N/1045110W. ADDED CHART: 6205 ELECTRICAL SYSTEM 393053N/1045056W - 7:1 OBSTACLE UPDATES.
15. LINE 4 MIN ALT UPDATE: ADDED YAGUG/3.42 NM TO RW35R 7060*. REMOVED LECET/2.50 NM TO RW35R 6740*. ADDED LECET/2.32 NM TO RW35R 6700* - STEPDOWN FIX YAGUG ADDED. STEPDOWN FIX LECET AMENDED.
16. ADDITIONAL FLIGHT DATA UPDATE: ADDED CHART MANDATORY 11000 AT XPATH - MATCHING CROSSING ALTITUDE AT ZOMBZ/DUNNN STAR TERMINUS FIX.
17. REMOVED CHART PLANVIEW NOTE AT FIRPI: MAX 210 KTS. ADDED CHART SPEED ICON IN PLANVIEW AT XPATH: AT 210 KIAS AND CHART SPEED ICON IN PLANVIEW AT FIRPI: MAX 210 - REWORDING IAW 8260.19H PARA 4-6-10.G AND ATC REQUESTED FOR AIRSPACE CONGESTION.
18. CHANGE LINE 3, FAC FROM 349.95 TO 349.96 - FAC RECALCULATION UPDATE.
19. REMOVED CHART PLANVIEW NOTE: RADAR REQUIRED - NO LONGER REQUIRED FOR RNAV PROCEDURE APPROACHES.
20. REMOVED VGSI NOT COINCIDENT NOTE - VGSI AND RNAV GLIDEPATH ANGLE/TCH ARE LESS THAN THE .2 DEGREE/3 FT TCH BETWEEN THE TWO ANGLE SOURCES.

03/25/2020: THIS IS A CORRECTED COPY OF THE FORM APPROVED 02/28/2020
CHANGED REQUIRED EFFECTIVE DATE FROM 04/23/2020 TO 05/21/2020



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV, DEN APP CON, APA ATCT, AMGR, CO AERO,

FLIGHT CHECKED BY
PAUL ANTHONY GOSDEN

Digitally signed by
DAVID TEFFETELLER
Mar 25, 2020

OFFICE
FIOG

DATE
3/11/2020

DEVELOPED BY
SCOTT BAGENSIE

Digitally signed by
DAVID TEFFETELLER
Mar 25, 2020

OFFICE
AJV-A433

DATE
10/21/2019

APPROVED BY
GEORGE DAVIS

Digitally signed by
DAVID TEFFETELLER
Mar 25, 2020

OFFICE
AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAPA
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	393324.1740N
LTP/FTP LONGITUDE	1045100.7410W
LTP/FTP ELLIPSOIDAL HEIGHT	+17766
FPAP LATITUDE	393502.9510N
FPAP LONGITUDE	1045105.3060W
THRESHOLD CROSSING HEIGHT (TCH)	00050.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	3F93A9F0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+17937
FPAP ORTHOMETRIC HEIGHT	+17937

