

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW35R					
XPATH (IAF)		XBEEE (FB)		350.19 / 5.43				9000		CLIMB TO 8200 THEN CLIMBING LEFT TURN TO 9600 DIRECT BPUTN AND HOLD.					
XBEEE		FIRPI (FB)		350.25 / 2.91				9000							
FIRPI (IF)		JIDOG (FB)		349.95 / 6.43				8000							
JIDOG (FAF)		LECET/2.50 NM TO RW35R (FB)		349.95 / 3.77											
LECET/2.50 NM TO RW35R		RW35R (MAP) (FO)		349.95 / 2.50						ADDITIONAL FLIGHT DATA: HOLD N, LT, 172.25 INBOUND. CHART FAS OBST: 6129 POWER TRANSMISSION LINE 393113N/1045053W 6296 TREE 393043N/1045117W. 6620 AAO 392922N/1045110W. DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.41 NM TO RW35R* *LNAV ONLY. WAAS CHANNEL # 40339 REFERENCE PATH ID: W35A CHART CIRCLING ICON. CHART MANDATORY 9000 AT FIRPI. CHART MANDATORY 9000 AT XBEEE LTP HAE: 1776.6 M					
RW35R (MAP)		8200 MSL						8200							
8200 MSL		BPUTN (FO)						9600							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 8E EPOCH YEAR: 2015					
2. PROFILE STARTS AT FIRPI															
3. FAC: 349.95 FAF: JIDOG DIST FAF TO MAP: 6.27 THLD: 6.27															
4. MIN. ALT: FIRPI 9000, JIDOG 8000, LECET/2.50 NM TO RW35R 6740*															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 8000 GS ALT AT: JIDOG 8000 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.10 TCH: 50.7 34:1 IS CLEAR															
8. MSA FROM: RW35R 12700															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/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	6322	1	437	6322	1	437	6322	1	437	6322	1	437			
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	6900	3	1015			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 36C (96F). @ CAT C 900-2 1/2, CAT D 1100-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)															
CITY AND STATE DENVER, CO		ELEVATION: 5885 TDZE: 5885 AIRPORT NAME: CENTENNIAL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35R, ORIG				SUP: AMDT: NONE		QUALITY 10 CHECKED			

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input checked="" type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZDV, DEN APP CON, APA ATCT, AMGR, CO AERO</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
JOHNNIE BAKER III (BRETT E. CANNON)				AJV-5431	
APPROVED BY					
NAME:				FIFO	DATE:
LONNIE EVERHART				AJV-5430	
MANAGER					
CHANGES:					
THIS IS AN ORIGINAL PROCEDURE.					
REASONS:					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: CIRCLING RWY 35L NA AT NIGHT.

CHART PANVIEW NOTE AT FIRPI: MAX 210 KTS.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY TO 1 3/8 MILE.

CITY AND STATE
DENVER, CO

ELEVATION: 5885 **TDZE: 5885**
AIRPORT NAME:
CENTENNIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35R, ORIG

SUP: **10**
AMDT: **NONE**
DATED:

QUALITY
10
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div> <div></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

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	393324.1500N
LTP/FTP LONGITUDE	1045100.7600W
LTP/FTP ELLIPSOIDAL HEIGHT	+17766
FPAP LATITUDE	393502.9100N
FPAP LONGITUDE	1045105.3100W
THRESHOLD CROSSING HEIGHT (TCH)	00050.7
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

A93F78B8

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
10
CHECKED

CITY AND STATE

DENVER, CO

ELEVATION: 5885

TDZE: 5885

AIRPORT NAME:

CENTENNIAL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35R, ORIG

SUP:

AMDT:

NONE

DATED:

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>
OTHER (specify) <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					



QUALITY
10
CHECKED

CITY AND STATE	ELEVATION:	TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:				AMDT:
					DATED:

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: ATA AAT ALPA APA AOPA NBAA OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL	ROC	ALT. ADJUSTMENTS		MIN. ALT.
INITIAL		XPATH		XBEEE		1. AAO		391151.00N/1045036.00W		7770 (2C)	1000	AT230		9000
						2. TERRAIN		391333.00N/1045154.00W		7497 (7500)		AS1500		9000
INITIAL		XBEEE		FIRPI		3. AAO		361645.00N/1045236.00W		7376 (4E)	1000	AT624		9000
						4. TERRAIN		391751.00N/1045124.00W		7035 (7000)		AS1500		8500
INTERMEDIATE		FIRPI		JIDOG		5. AAO		392022.00N/1045108.00W		6980 (2C)	500	AT520		8000
						6. TERRAIN		392045.00N/1044906.00W		6752 (6800)		AS1000		7800
FINAL: LPV		JIDOG		RW35R							ASC			6085/200
FINAL: LNAV/VNAV		JIDOG		RW35R		7. BLDG (KAPAT003609)		393213.41N/1045139.65W		6041 (1A)	22.1:1			6322/437
FINAL: LNAV		JIDOG		LECET/2.50 NM TO RW35R		8. TREE		392922.00N/1045110.00W		6447 (2C)	250	XL14 DG29		6740
FINAL: LNAV STEPDOWN		LECET/2.50 NM TO RW35R		RW35R		9. POWER LINE (KAPAT002293)		393112.94N/1045052.91W		6129 (1A)	250			6380
2. PROCEDURE TURN		NA												
3. MISSED APPROACH	MAP:		DA / DA / RW35R		BPUTN						ASC			9000
	ELEV:		5918/6161/6280				10. AAO		393038.00N/1045712.00W		6510 (2C)	1000	7600	
							11. TERRAIN		393038.00N/1045217.00W		6310 (6300)		AS1500 7800	
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.										
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	515	12. BLDG		393224.97N/1045217.40W		6085 (1B)	300	6400
CATEGORY B		1.5 NM			450		655	13. CRANE		393147.42N/1045216.68W		6238 (1B)	300	6540
CATEGORY C		1.7 NM			450		855	14. POWER		393026.62N/1045127.49W		6438 (1A)	300	6740
CATEGORY D		2.3 NM			550		1015	15. AAO		392950.00N/1045355.00W		6585 (2C)	300	6900
CATEGORY E		4.5 NM			550									
5. MINIMUM SAFE ALTITUDES								PRIMARY NAVAID: RW35R						
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A					
360-360	AAO	262/29.0	11634 (4E)	12700										
CITY AND STATE		ELEVATION: 5885		FACILITY		PROCEDURE AND AMENDMENT NO:		RECORDED						
DENVER, CO		AIRPORT NAME: CENTENNIAL		RNAV		RNAV (GPS) RWY 35R, ORIG		ANM						

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																					
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					PRECIPITOUS TERRAIN EVALUATION COMPLETED.																
ZDV ARTCC APA TOWER DEN APP CON							N W S		OTHER: ASOS			SOURCE:KAPA					ORDER 8260.3 CHAPTER 2 APPLIED TO 6620 AAO 392922.00N/1045110.00W, 6296 TREE (KAPAT002295) 393043.16N/1045116.89W.														
							F A A					DISTANCE:																			
							A / C					HOURS REMOTE OPERATION: 0																			
SATISFACTORY ON:										ADJUSTMENT: 0										BACK-UP ALTIMETER NOT PUBLISHED. REDUNDANT REPORTING ON AIRPORT.											
X		V H F		X		U H F				H F		LOCATION: KAPA					KAPA ASOS ON SERVICE A/24 HRS.														
4. MONITOR STATUS		PRIMARY NAVAID:																		VGSI DATA: 3.00/45.											
		MONITOR POINT:																													
		HRS OPTN:		CAT 1																											
						CAT 3																ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL PENETRATIONS" 20:1 (RWY 35L) 5895 ROAD (N) (KAPAT001048) 393330.37N/1045112.76W (12.11) 5896 ROAD (N) (KAPAT001046) 393330.11N/1045112.46W (11.75) 5895 ROAD (N) (KAPAT001047) 393330.25N/1045112.60W (11.48) 5896 ROAD (N) (KAPAT001045) 393329.96N/1045112.34W (10.97) 5896 ROAD (N) (KAPAT001042) 393329.80N/1045112.25W (10.15) 5897 ROAD (N) (KAPAT001040) 393329.51N/1045112.17W (9.68) 5897 ROAD (N) (KAPAT001039) 393329.01N/1045112.18W (7.15) 5900 ROAD (N) (KAPAT001037) 393328.17N/1045112.18W (5.90) 5902 ROAD (N) (KAPAT001035) 393327.30N/1045112.16W (3.50) 5887 FENCE (KAPAT001043) 393329.88N/1045112.44W (1.58) 5904 ROAD (N) (KAPAT001032) 393326.49N/1045112.15W (1.40) 5886 FENCE (08-022058) 393329.85N/1045112.45W (0.43) CIRCING OBSTACLE IDENTIFICATION: BLDG (KAPAT003665) CRANE (KAPAT003676) POWER (KAPAT002297) TAA NOT DEVELOPED DUE TO CLOSE PROXIMITY OF DEN INTL. 48' TREES USED WITHIN 20,000 FT OF ALL RUNWAY SURFACES AND IN THE FINAL SEGMENT ONLY BEYOND 20,000 FT; SEE WAIVER. FIX NAMES RETAINED FOR ATC OPERATIONAL ADVANTAGE. IAW 8260.58 PARA 3.5.1: RAISED GS ANGLE TO 3.10 DUE TO POWERLINE (KAPAT002297) 393026.62N/1045127.49W. TCH 50.7 TO MATCH APA ILS TCH. CRITICAL TEMPERATURES: CRITICAL LOW :-21C (-5F) CRITICAL HIGH :+36C (+96F) ACT :-21C APT ISA :+3.35C CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY CONT.									
		ALS																													
		(S) SALS																													
X		MALSR 35R																													
		HIRL																													
X		MIRL 10, 17L, 17R, 28, 35L, 35R																													
X		REIL 17R, 28, 35L																													
		TDZ																													
		C/LINE																													
X		OTHER (SPECIFY) PAPI-4L 17L, 17R, 35R PAPI-2L 10, 28 PAPI-4R 35L																													
6. RUNWAY MARKINGS				BASIC BSC-G 10, 28																											
				ALL WEATHER				PIR-G 17L, 35R																							
				INSTRUMENT				NPI-G 17R, 35L																							
7. RUNWAY VISUAL RANGE				APPROACH																											
				MIDFIELD																											
				ROLL OUT																											
8. GLIDE PATH				GP ANGLE: 3.10								ELEV RWY THRESHOLD:5885.0																			
				DISTANCE FROM RWY:								ELEV GP ANTENNA:																			
												THRESHOLD CROSSING HEIGHT:50.7																			
9. FINAL APPROACH COURSE AIMING						RUNWAY THRESHOLD										FT. FROM THRESHOLD															
						ON CENTERLINE										FT. FROM CENTERLINE															
10. WAIVERS: 1 ORDER 8260.19G, PARAGRAPH 2-11-5. CONTROLLING OBSTACLES; ALLOW EXEMPTION TO APPLYING 200 FT AAO TO TERRAIN SURFACES BEYOND 20000 FT FROM RWY END IN THE FINAL SEGMENT.																															
PART D - PREPARED BY: JOHNNIE BAKER III (BRETT E. CANNON)												DATE:																			
TITLE: AERONAUTICAL INFORMATION SPECIALIST												OFFICE: AJV-5431																			

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							

5. MINIMUM SAFE ALTITUDES					PRIMARY NAVAID:				
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
									QUALITY
									10

CITY AND STATE DENVER, CO	ELEVATION: 5885 AIRPORT NAME: CENTENNIAL	FACILITY RNAV	PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 35R, ORIG	REGION ANM
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PART B - SUPPLEMENTAL DATA										PART C - REMARKS: CONTINUED. (2011-2015). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 1072 HIGH TEMP 1211. ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.42NM CAT B: 2.03NM CAT C: 3.22NM CAT D: 4.23NM SEE ATTACHED AIRSPACE LETTER. LPV SLOPE: 32.9:1 LNAV/VNAV SLOPE: 22.1:1 IPDS INDICATED THAT OBS KAPAT001022 PENETRATED POFZ AND GQS. FPT CONFIRMED WITH ARPT MGR THAT PENETRATING OBS ARE REILS, SUITABLE OBSTACLE AND ON FRANGIBLE COUPLINGS. SEE FPT E-MAIL DATED 10/14/2014.			
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING							
SATISFACTORY ON:				N W S	OTHER:		SOURCE:						
				F A A			DISTANCE:						
				A / C			HOURS REMOTE OPERATION:						
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:				
4. MONITOR STATUS		PRIMARY NAVAID:											
		MONITOR POINT:											
		HRS	CAT 1										
		OPTN:	CAT 3										
5. APPROACH & RUNWAY LIGHTING			ALS										
			(S) SALS										
			MALS										
			HIRL										
			MIRL										
			REIL										
			TDZ										
			C/LINE										
		OTHER (SPECIFY)											
6. RUNWAY MARKINGS		BASIC											
		ALL WEATHER											
		INSTRUMENT											
7. RUNWAY VISUAL RANGE		APPROACH											
		MIDFIELD											
		ROLL OUT											
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:							
		DISTANCE FROM RWY:				ELEV GP ANTENNA:							
						THRESHOLD CROSSING HEIGHT:							
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD				
				ON CENTERLINE					FT. FROM CENTERLINE				
10. WAIVERS:													
PART D - PREPARED BY:										DATE:			
TITLE:										OFFICE:			

