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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LOWRE (IF)	CENTN (FB)	169.95 / 2.64	7000
CENTN (FAF)	RW17L (MAP) (FO)	169.95 / 3.64	
RW17L (MAP)	5993 MSL	169.95	
5993 MSL	CASSE LOM (FO)		10000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17L

CLIMB TO 10000 DIRECT CASSE LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT LOWRE
3. FAC: 169.95 FAF: CENTN DIST FAF TO MAP: 3.64 THLD: 3.64
4. MIN. ALT: LOWRE 7800, CENTN 7000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 7000 GS ALT AT: CENTN 7000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 47.4 34:1 IS CLEAR
8. MSA FROM: RW17L 12700

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 349.95 INBOUND.
CHART FAS OBST: 5962 TOWER 393507N/1045042W
DISTANCE TO THLD FROM 200 HATH: 0.48 NM.
CHART VDP AT 1.19 MILES TO RW17L*
*LNAV ONLY.
WAAS CHANNEL # 72930
REFERENCE PATH ID: W17A
CHART MANDATORY 7800 AT LOWRE
LTP HAE: 1748.5 M

MAG VAR: 8E EPOCH YEAR: 2015

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	5993	3/4	200	5993	3/4	200	5993	3/4	200	5993	3/4	200			
LNAV/VNAV DA	6123	1 1/8	330	6123	1 1/8	330	6123	1 1/8	330	6123	1 1/8	330			
LNAV MDA	6220	1	427	6220	1	427	6220	1 1/4	427	6220	1 1/4	427			
CIRCLING	6340	1	455	6360	1	475	6380	1 1/2	495	6500	2	615			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-15F) OR ABOVE 47C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5885 THRE: 5793 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DENVER, CO	CENTENNIAL	RNAV	RNAV (GPS) RWY 17L, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X		X	X	X	X	X ZDV, APA ATCT, DEN APP CON, CO AERO, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: VICTOR BOONE	FIFO AJV-354	DATE: 07/02/2012
APPROVED BY		
NAME: DEZ SILAGYI MANAGER	FIFO AJV-354	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

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NOTES, (CONT.):
CHART PLANVIEW NOTE AT LOWRE: MAX 210 KIAS.
CHART NOTE: WHEN RWY 35L VGSI INOP, CIRCLING TO RWY 35L NA AT NIGHT.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5885 THRE: 5793	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: CENTENNIAL	RNAV	RNAV (GPS) RWY 17L, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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 aiport 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	RW17L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	393502.9190N
LTP/FTP LONGITUDE	1045105.3035W
LTP/FTP ELLIPSOIDAL HEIGHT	+17485
FPAP LATITUDE	393324.1755N
FPAP LONGITUDE	1045100.7415W
THRESHOLD CROSSING HEIGHT (TCH)	00047.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D00E8D67

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+17657
FPAP ORTHOMETRIC HEIGHT	+17657

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5885 THRE: 5793	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: CENTENNIAL	RNAV	RNAV (GPS) RWY 17L, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CASSE K20    R   L N39270690W104504332                      E0086     NAR           CASSE LOM
        SUSAEAENRT   CENTN K20    W     N39384137W104511541                      E0087     NAR           CENTN
        SUSAEAENRT   LOWRE K20    W     N39411979W104512276                      E0087     NAR           LOWRE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAPAK2AAPA     0     100YHN39341240W104505750E008005885         1800018000C    MNAR    CENTENNIAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAPAK2FR17L  R      010LOWREK2EA0E  I    IF                                   07800     18000210              A-JS
        SUSAP KAPAK2FR17L  R      020CENTNK2EA1E  F 051TF                      17000026    + 07000                 RW17L K2PGA JS
        SUSAP KAPAK2FR17L  R      020CENTNK2EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KAPAK2FR17L  R      030RW17LK2PG0GY M 031TF                      17000036      05841            -300          A JS
        SUSAP KAPAK2FR17L  R      040         0  M   CA                        1700        + 05993                         A JS
        SUSAP KAPAK2FR17L  R      050CASSEK2EA0EY      DF                                  + 10000                         A JS
        SUSAP KAPAK2FR17L  R      060CASSEK2EA0EE  R   HM                       35000070    + 10000                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAPAK2GRW17L   0100011700 N39350292W104510530+0900    +17485057930000471 00R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAPAK2PR17L  RW17L001 0000W17A0N3935029190W10451053035+174850300N3933241755W104510074151067500000004 74F400350D00E8D67
        SUSAP KAPAK2PR17L  RW17L002E      +17657+17657LPV       72930

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAPAK2SRW17LK2PG                0   18018012725                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5885 THRE: 5793	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: CENTENNIAL	RNAV	RNAV (GPS) RWY 17L, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		LOWRE	010	FACF	IF		FB				AT 07800	AB 210
		CENTN	020	FAF	TF		FB	0.5	170.0(178.0T)	002.6	AA 07000	
		RW17L	030	MAP	TF		FO	0.3	170.0(178.0T)	003.6	AT 05841	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		170.0(178.0T)		AA 05993	
	CASSE	050		DF		FO				AA 10000	
	CASSE	060		HM	R	FO		350.0(358.0T)	007.0	AA 10000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CASSE	N392706.90	W1045043.32	N3927.115	W10450.722
	CENTN	N393841.37	W1045115.41	N3938.690	W10451.257
	LOWRE	N394119.79	W1045122.76	N3941.330	W10451.379
	RW17L	N393502.92	W1045105.30	N3935.049	W10451.088

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	05793	47

QUALITY CHECKED

CITY AND STATE	ELEVATION: **5885**	**THRE: 5793**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DENVER, CO	AIRPORT NAME: **CENTENNIAL**		**RNAV**	**RNAV (GPS) RWY 17L, ORIG**	AMDT: **NONE**
					DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

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.
INTERMEDIATE	LOWRE	CENTN	1. TOWER (08-000173)	393925.00N/1044929.00W	6080 (3C)	500	DG428 SA-8	7000
			2. TERRAIN	393954.00N/1044930.00W	5712 (5700)		AS1000	6700
FINAL: LPV	CENTN	RW17L				ASC		5993/200
FINAL: LNAV/VNAV	CENTN	RW17L	3. TOWER (08-000897)	393506.71N/1045042.33W	5962 (1A)	PDA		6123/330
FINAL: LNAV	CENTN	RW17L	3. TOWER (08-000897)	393506.71N/1045042.33W	5962 (1A)	250		6220
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW17L	CASSE LOM				ASC		10000
			4. AAO	392618.00N/1045209.00W	6828 (4E)	1000		7900
ELEV:	5828/5962/6120		5. TERRAIN	392618.00N/1045209.00W	6628 (6600)		AS1500	8100

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	455		6. ROD (KAPA0006)	393220.32N/1045143.65W	6040 (1A)	300		6340
CATEGORY B	1.5 NM	450	475		7. TREE	393221.39N/1045218.93W	6049 (2C)	300		6360
CATEGORY C	1.7 NM	450	495		8. TREE	393150.42N/1045149.31W	6079 (2C)	300		6380
CATEGORY D	2.3 NM	550	615		9. TREE	393128.56N/1045237.48W	6199 (2C)	300		6500
CATEGORY E	4.5 NM	550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW17L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	259/ 29.0	11634 (4E)	12700					

CITY AND STATE	ELEVATION: 5885 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DENVER, CO	CENTENNIAL	RNAV	RNAV (GPS) RWY 17L, ORIG	ANM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
DEN APP CON APA TOWER ZDV ARTCC	N W S	OTHER: ASOS	SOURCE: KAPA
	F A A		DISTANCE: 0
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION: KAPA		ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 35R
		HIRL
	X	MIRL 35R, 10, 28, 17R, 35L, 17L
	X	REIL 28, 17R, 35L
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4R 35L PAPI-2L 28 PAPI-4L 35R, 17R, 17L
6. RUNWAY MARKINGS	BASIC	BSC-G 10, 28
	ALL WEATHER	PIR-G 35R, 17L
	INSTRUMENT	NPI-G 17R, 35L
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 5793.1
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 47.4
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: VICTOR BOONE	DATE: 07/02/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

40' TREES USED WITHIN 20,000' OF ALL RUNWAY SURFACES PER FPT.

TAAS, FEEDERS AND INITIALS NOT DEVELOPED PER FPT AND ATC REQUEST.

LPV OCS 34:1
LNAV/VNAV SURFACE 23.37:1

ACT= -26

OBSTACLE #1 LOCATED 73.57 FT INTO SECONDARY AREA.

BACK-UP ALTIMETER NOT PUBLISHED. REDUNDANT REPORTING ON AIRPORT.

KAPA ASOS ON SERVICE A/24 HRS

VGSI DATA: 3.00/47.4

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
20:1 (RWY 35L)
5886 FENCE (KAPA0014) 393329.85N/1045112.45W (.53)

AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.

BARO-VNAV NA BELOW -26C (-15F) OR ABOVE 47C (118F)

DESCENT RATE: STANDARD TEMP 1036 HIGH TEMP 1210.

HIGH TEMP LIMIT AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATORS.

SEE ATTACHED AIRSPACE LETTER.

QUALITY & CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CASSE LOM **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 392706.90N/1045043.32W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CASSE	AP	LOM								17500
2	DENVER	I-APA	LOC/DME		169.95	177.95	8.10	8.10	49207	8000	10200

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	I-APA	LOC/DME	169.95	349.95	R	1		9600	14000	9	10
2	S		WP	169.95	349.95	R		7	10000	14000	10	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	391151.00N/1045036.00W	7756	4E
1	310	AAO	391103.00N/1045742.00W	8517	4E
2	230	AAO	391316.80N/1045416.10W	7960	6C
2	310	AAO	391157.00N/1045712.00W	8842	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
2	310	93

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S).

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 35R	KAPA	DENVER	CO (US)

REMARKS:
CHART FAC 1 ON EN ROUTE LOW
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE CASSE LOM.
ACTUAL FACILITY LOCATION IS 392706.86N/1045044.92W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35R	1, 2	1	KAPA	DENVER	CO (US)
IAP	RNAV (GPS) RWY 17L		2	KAPA	DENVER	CO (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
DELETED FQF VORTAC AS FAC 3.
REMOVED HOLDING PATTERN OVER AP LOM - NDB PROCEDURE CANCELLED.
UPDATED LOC/DME HOLDING PATTERN AND CONTROLLING OBSTACLE.
ADDED WP HOLDING PATTERN.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/05/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN APP CON, APA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CENTN **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 393841.37N/1045115.41W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17L			KAPA	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/07/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LOWRE **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 394119.79N/1045122.76W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17L			KAPA	DENVER	CO (US)
STAR	PUFFR (RNAV)			KAPA	DENVER	CO (US)
STAR	SKARF (RNAV)			KAPA	DENVER	CO (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 05/31/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

Info

QUALITY CHECKED

Federal Aviation Administration

Memorandum

Date: MAY 25 2012

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Dez Silagyi, Manager, Terminal Procedures & Charting Services, Western Team, AJV-354

ORIGINAL SIGNED BY

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

ILS OR LOC RWY 35R AMDT 9
NDB RWY 35R AMDT 11
RNAV (GPS) Z RWY 35R AMDT 1
RNAV (GPS) Y RWY 35R ORIG
RNAV (GPS) RWY 17L ORIG
RNAV (GPS) RWY 28 AMDT 1
TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 5

Estimated Chart Date: 11/15/2012

Runway Numbers are not affected.

Please publish these changes in the National Flight Data Digest.

COLORADO

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Denver	Centennial	Airport	KAPA / APA	Old 11 ° East New 8 ° East	2015
Denver		ILS	APA	Old 11 ° East New 8 ° East	2015
Denver	CASSE	NDB-H (LOM)	APA	Old 11 ° East New 8 ° East	2015

If you have any questions please notify Dez Silagyi, dez.silagyi@faa.gov (405) 954-9977.

cc: SEA-FPT, AVJ-3rf
AJV-354; DSilagyi :sbj::x7537:05/23/2012 :U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\MV Change Request for Denver, CO (KAPA) 5-24-12
Requestor:CSchneider, AJW-3762:CPavelko, Evaluated By:LFortier

CONCURRENCES	
ROUTING SYMBOL	AJV-34 SBaker
INITIALS/SIG	SJB
DATE	5-24-12
ROUTING SYMBOL	AJV-354 Lead
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-354 DSilagyi
INITIALS/SIG	
DATE	5/25/12
ROUTING SYMBOL	AJV-341 JAlfonso
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: DENVER STATE: CO

AIRPORT NAME: CENTENNIAL ID: KAPA

PROCEDURE: RNAV (GPS) RWY 17L AMDT: ORIG

DOCKET #:
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from THLD to 1000' point 3.01
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of FINAL segment at 1000' point 1.55
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of FINAL segment containing 1000' point 177.95
4. High Terrain in FINAL segment containing 1000' point 5774
5. Distance from THLD to 1500' point 5.08
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of INTERMEDIATE segment at 1500' point 3.76
7. True Course of INTERMEDIATE segment containing 1500' point 177.95
8. High Terrain in INTERMEDIATE segment containing 1500' point 5712
9. Threshold Coordinates (if straight-in) ... 393502.92N / 1045105.30W
10. ARP Coordinates..... 393412.40N / 1045057.50W
11. Runway Approach End and distance furthest from ARP ..... RWY 17L
    Distance 0.85 NM
12. FAF Coordinates ..... 393841.37N / 1045115.41W
    (Click to Select)

REMARKS: Approach/Drawing attached.