Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 06/09/2011	Task #: 20110609308883 01005	Request #: 20110609308883
Procedure: RNAV (GPS) Y RWY 34R AMDT 2		Airport ID: KDEN	Airport: DENVER INTL		Reimbursable #:
City: DENVER	ST: CO	GPS #:		Estimated Chart Date: 05/31/2012	FICO #:
Fac ID:	Fac. Type: LPV		Specialist: CHARLES SCHNEIDER		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	10/24/2011	03/01/2012	DEZ SILAGYI	
QA:	03/01/2012	03/02/2012	SCOTT BEARD	
Liaison:	03/02/2012		Terrell	MAGVAR - HARD DATE

MAG VAR

Procedure Comments:

Remark Type: INFORMATION

pg 1.16

DENVER, CO DENVER INTL (KDEN) RNAV (GPS) Y RWY 34R, AMDT 2 (LPV) ENROUTE-NO HARD DATE: 5.31.12

ATTACHED FORMS: 8260-3, 8260-10; 8260-9; 8260-2(S) BENGL-INT, REV 4; BOENG-INT, REV 1; BOOBU-INT, REV 4; CADKO-INT, ORIG; CALTI, REV 1; CORDE-INT, REV 4; HYGEN-INT, REV 2.

CONTACT: ADOLFO URRUTIA, AJV-354 LEAD, 405.954.2079)

WAAS CH 90318 W34B	APP CRS 353°	Rwy ldg 12000 THRE 5354 Apt Elev 5434

RNAV (GPS) Y RWY 34R
DENVER INTL (DEN)

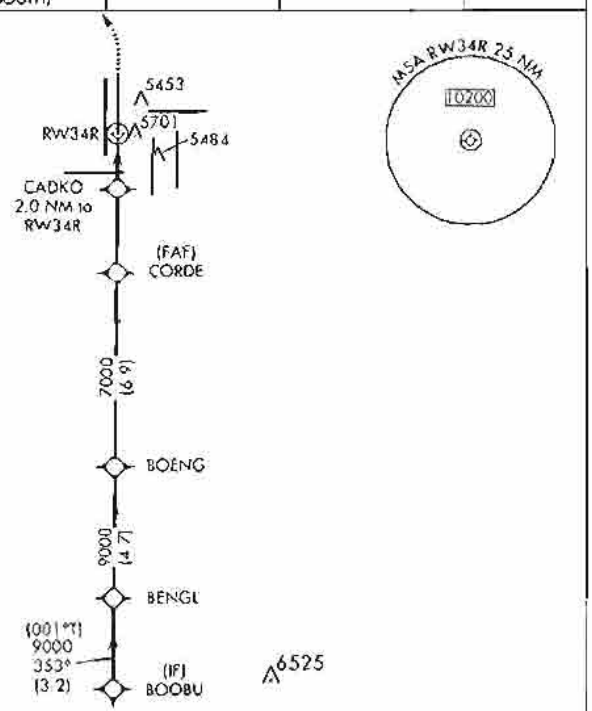
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -25°C (-13°F) or above 10°C (50°F). DME/DME RNP-0.3 NA.
LNAV procedure NA during simultaneous operations.
Simultaneous approach authorized with Rwy 35L/R. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2

MISSED APPROACH: Climb to 6000 then climbing left turn to 10000 direct HYGEN and hold.

ATIS	DENVER APP CON	DENVER TOWER	GND CON	CLNC DEL
125.6 379.9	119.3 307.3 (NORTH) 120.35 379.3 (SOUTH)	135.3 351.95	127.5 379.175	118.75

MISSED APCH FIX



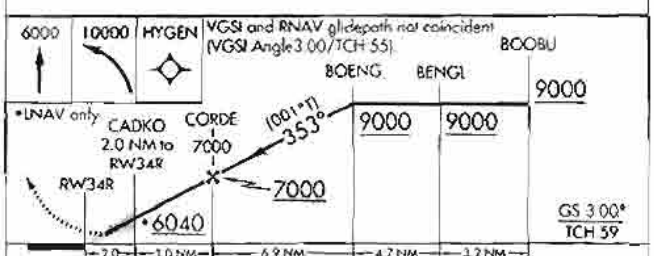
PROTOTYPE: NOT FOR NAVIGATION

BENGL: 3935.249/10441.422
BOENG: 3939.979/10441.368
BOOBU: 3932.006/10441.460
CADKO: 3949.845/10441.255
CORDE: 3946.858/10441.289
HYGEN: 4009.065/10510.965
RW34R: 3951.846/10441.231

RADAR REQUIRED

ELEV 5434 | THRE 5354

HIRL all Rwys
TDZ/CL Rwys 7, 16L, 16R, 17R, 26, 34L, 34R, 35L, 35R



CATEGORY	A	B	C	D
LPV DA	5554/24 200 (200-½)			5554-60 200 (200-1¼)
LNAV/VNAV DA	5862-60 508 (500-1¼)			
LNAV MDA	5940/24 586 (600-½)		5940-1¼ 586 (600-1¼)	

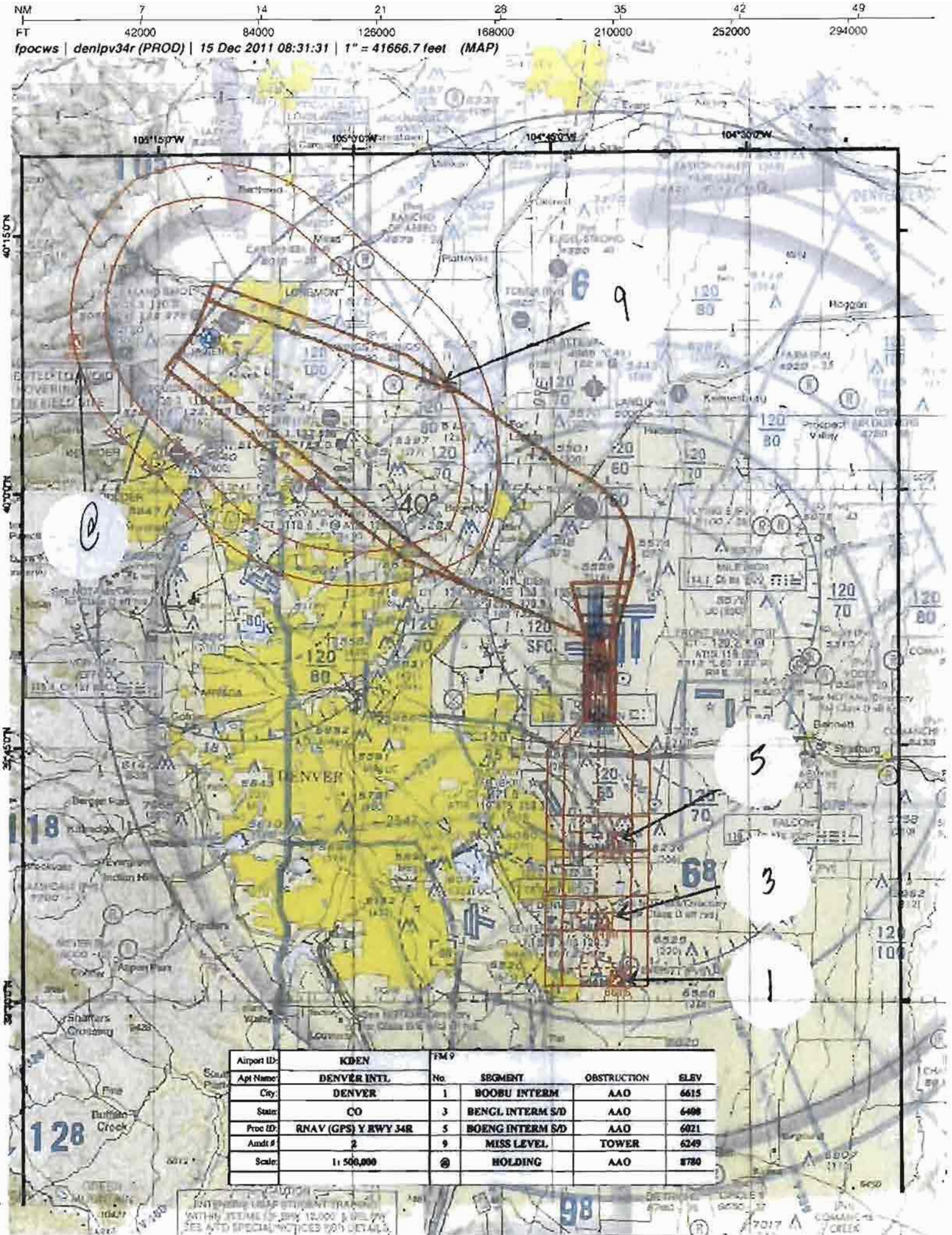
353° to RW34R

39°52'N-104°40'W

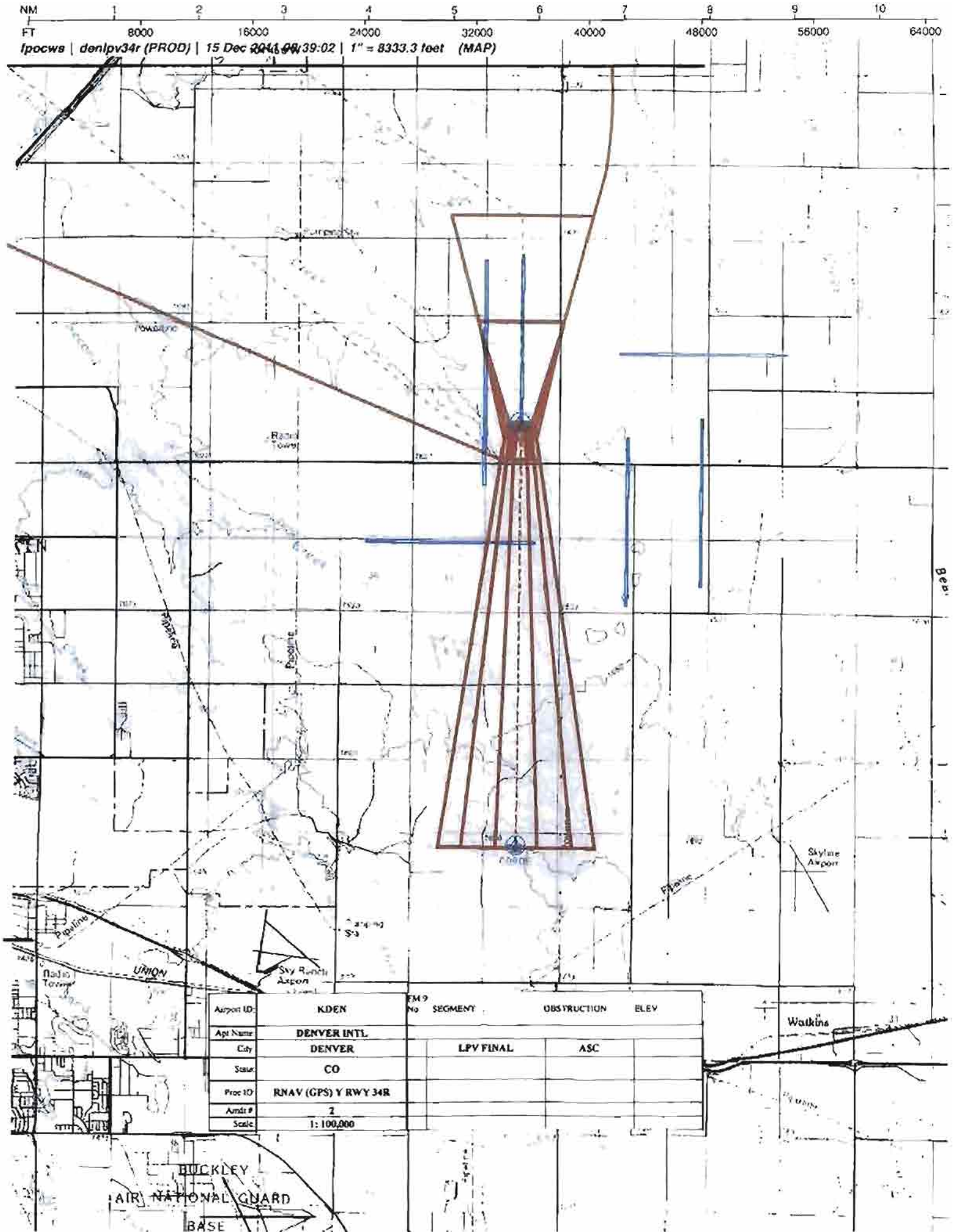
DENVER INTL (DEN)
RNAV (GPS) Y RWY 34R

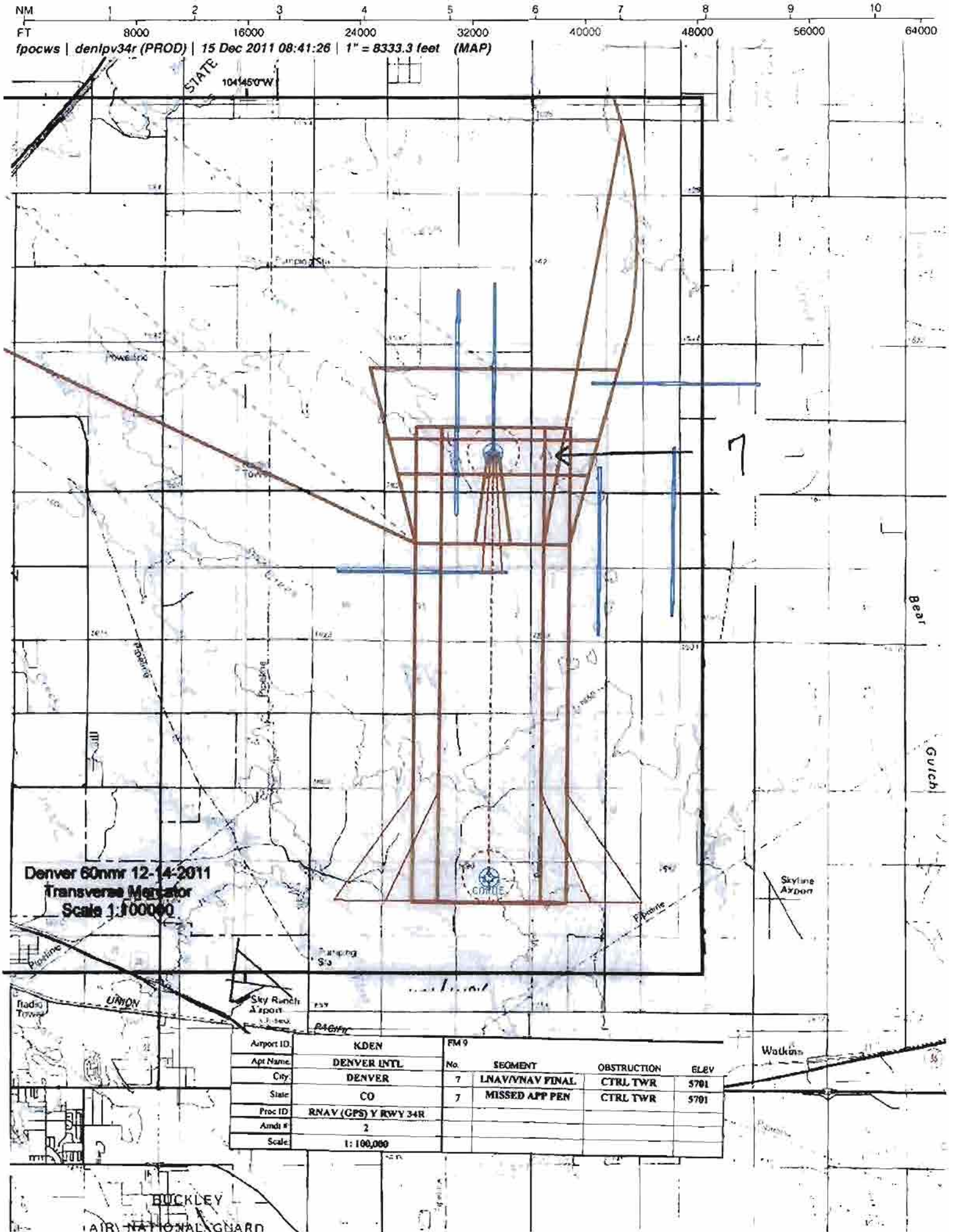
AUTOMATED AL-9077 RNAV (GPS) Y RWY 34R

SW-1
04 JAN 2012
COMPILER: CW
REVIEWER:
DBL CHKR
EFF: FIG



Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No.	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER	1	BOOBU INTERM	AAO	6615
State:	CO	3	BENGL INTERM S/D	AAO	6408
Proc ID:	RNAV (GPS) Y RWY 34R	5	BOENG INTERM S/D	AAO	6021
Amdt #:	2	9	MISS LEVEL	TOWER	6249
Scale:	1: 500,000	@	HOLDING	AAO	8780

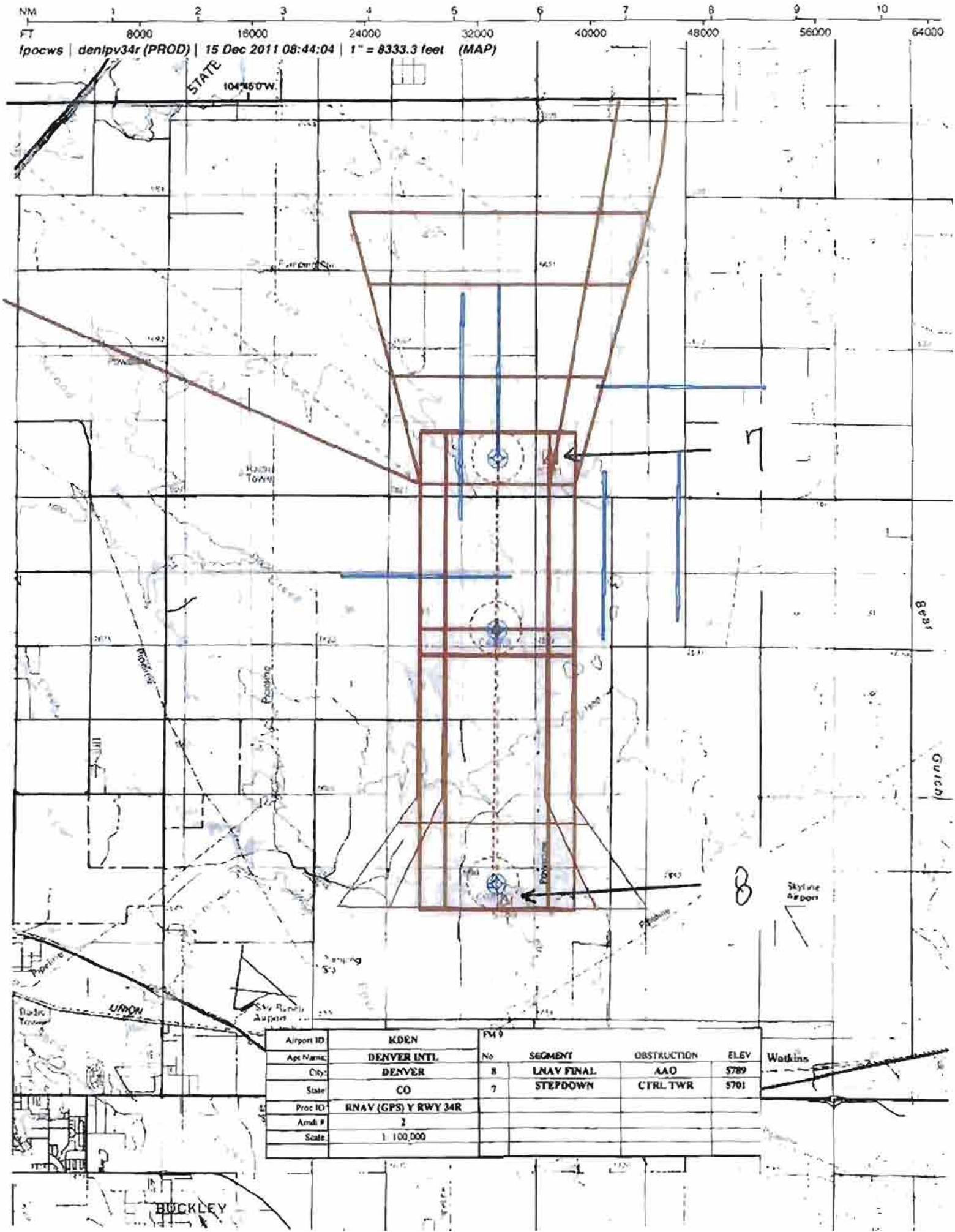

NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpocws | denlpv34r (PROD) | 15 Dec 2011 08:39:02 | 1" = 8333.3 feet (MAP)
Skyline Airport
Sky Ranch Airport
Watkins
BUCKLEY
AIR NATIONAL GUARD
BASE
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: RNAV (GPS) Y RWY 34R
Amdt #: 2
Scale: 1: 100,000
EM 9
No SEGMENT OBSTRUCTION ELEV
LPV FINAL ASC



Airport ID	KDEN
Apt Name	DENVER INTL
City	DENVER
State	CO
Proc ID	RNAV (GPS) Y RWY 34R
Amdt #	2
Scale	1: 100,000

FM 9

No.	SEGMENT	OBSTRUCTION	ELEV
7	LNAV/VNAV FINAL	CTRL TWR	5701
7	MISSED APP PEN	CTRL TWR	5701



Airport ID	KDEN	FM 9			
Apt Name:	DENVER INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER	8	LNAV FINAL	AAO	5789
State:	CO	7	STEPDOWN	CTRL TWR	5701
Proc ID:	RNAV (GPS) Y RWY 34R				
Amdt #	2				
Scale:	1:100,000				

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
BOOBU (IF)	BENGL (FB)	352.51 / 3.24	10000
BENGL	BOENG (FB)	352.51 / 4.73	9000
BOENG	CORDE (FB)	352.51 / 6.87	7000
CORDE (FAF)	CADKO/2.00 NM TO RW34R (FB)	352.51 / 2.98	
CADKO/2.00 NM TO RW34R	RW34R (MAP) (FO)	352.51 / 2.00	
RW34R (MAP)	6000 MSL	352.51	6000
6000 MSL	HYGEN (FO)		10000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34R

CLIMB TO 6000 THEN CLIMBING LEFT TURN TO 10000 DIRECT HYGEN AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 309.00 INBOUND.
CHART FAS OBST: 5701 CTRL TWR 395145N/1044025W
DISTANCE TO THLD FROM 200 HATH: 0.44 NM.
WAAS CHANNEL # 90318
REFERENCE PATH ID: W34B
LTP HAE: 1613.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BOOBU
3. FAC: 352.51 FAF: CORDE DIST FAF TO MAP: 4.98 THLD: 4.98
4. MIN. ALT: BOOBU 10000, BENGL 10000, BOENG 9000, CORDE 7000, CADKO/2.00 NM TO RW34R 6040*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 7000 GS ALT AT: CORDE 7000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.5 34:1 IS CLEAR
8. MSA FROM: RW34R 10200

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	5554	2400	200	5554	2400	200	5554	2400	200	5554	2400	200			
LNAV/VNAV DA	5838	6000	484	5838	6000	484	5838	6000	484	5838	6000	484			
LNAV MDA	5940	2400	586	5940	2400	586	5940	1 1/4	586	5940	1 1/4	586			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 46C (114F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5434 THRE: 5354	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34R
DENVER, CO	AIRPORT NAME: DENVER INTL	RNAV	RNAV (GPS) Y RWY 34R, AMDT 2	AMDT: 1
				DATED 09/23/2010

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

COORDINATED WITH:

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

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: CHARLIE SCHNEIDER	FIFO AJV-354	DATE: 12/16/2011

APPROVED BY		
NAME: DEZ SILAGYI MANAGER	FIFO AJV-354	DATE:

CHANGES:

1. AIRFIELD MAGVAR CHANGED FROM 11E TO 8E
2. ALL TERMINAL ROUTE COURSES INCREASED BY 3 DEGREES
3. ADDED STEPDOWN FIX IN FINAL
4. FINAL COURSE CHANGED FROM 349.51 TO 352.51
5. MISSED APPROACH CHANGED FROM CALTI TO HYGEN TO A CLIMB TO ALTITUDE AND DIRECT HYGEN
6. SEGMENT BOENG TO CORDE DISTANCE CHANGED FROM 6.93 TO 6.87
7. DISTANCE FAF TO MAP/THLD CHANGED FROM 4.88 TO 4.98
8. LPV MINIMUMS CHANGED FROM 5551 TO 5554
9. LNAV/VNAV MINIMUMS CHANGED FROM 5911/1 1/2/560 TO 5838/6000/484
10. LNAV MINIMUMS CHANGED FROM CAT A/B: 5960/609 TO 5940/586, CAT C: 5960/6000/609 TO 5940/1 1/4/586, CAT D: 5940/1 1/2/609 TO 5940/1 1/4/586
11. LNAV/VNAV HIGH TEMP CHART NOTE CHANGED FROM 38C/100F TO 10C/50F
12. ADDED SIMULTANEOUS APPROACH NOTES
13. REMOVED VDP

REASONS:

1. 2015 EPOCH YEAR MAGVAR USED
2. USE OF 8E MAGVAR
3. ADDITION OF 200FT AAO IN FINAL
4. AIRPORT MAGVAR CHANGE
5. SIMULTANEOUS APPROACHES REQUIRED MISSED APPROACH TO DIVERGE BY 45 DEGREES REQUIRING NEW MISSED ROUTING
6. FIX CORDE IN NEW LOCATION DUE TO NEW PFAF CALCULATION
7. NEW PFAF LOCATION
8. THRESHOLD ELEVATION USED
9. APPROACH ALL SURFACES CLEAR
10. NEW CONTROLLING OBSTACLE, ADDITION OF STEPDOWN FIX IN FINAL
11. IPDS CALCULATION
12. RNAV (GPS) APPROACHES NOW AUTHORIZED FOR SIMULTANEOUS OPERATIONS
13. VDP LESS THAN 0.5 NM AFTER STEPDOWN

SEE 8260-10

3/9/12 THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 12/16/2011

1. ARINC CODING PAGES 4 AND 5 SEGMENT ALTITUDE FOR BENGL CHANGED FROM 9000 TO 10000

6/10/2012: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 12/16/11

1. UPDATED LNAV/VNAV HIGH TEMP FROM 10C (50F) TO 46C (114F)

QUALITY CHECKED 4

10/9/2012: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 12/16/11

1. CHANGED PREVIOUS AMENDMENT SUP FROM RNAG (GPS) Y RWY 34R TO RNAV (GPS) RWY 34R

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.

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L/R
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 5434 THRE: 5354	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34R
DENVER, CO	AIRPORT NAME: DENVER INTL	RNAV	RNAV (GPS) Y RWY 34R, AMDT 2	AMDT: 1
				DATED: 09/23/2010

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:

REASONS CONT.

EFFECTIVE CONCURRENT WITH: KDEN ILS OR LOC RWY 34R AMDT 3

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDEN
RUNWAY	RW34R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34B
LTP/FTP LATITUDE	395150.7740N
LTP/FTP LONGITUDE	1044113.8780W
LTP/FTP ELLIPSOIDAL HEIGHT	+16137
FPAP LATITUDE	395349.3300N
FPAP LONGITUDE	1044112.5100W
THRESHOLD CROSSING HEIGHT (TCH)	00058.5
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	08FC88B3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+16318
FPAP ORTHOMETRIC HEIGHT	+16318

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 5434 THRE: 5354	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34R
DENVER, CO	AIRPORT NAME: DENVER INTL	RNAV	RNAV (GPS) Y RWY 34R, AMDT 2	AMDT: 1
				DATED: 09/23/2010

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:

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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BENGL K20    C     N39351494W104412534                      E0087     NAR           BENGL
        SUSAEAENRT   BOENG K20    C     N39395876W104412208                      E0087     NAR           BOENG
        SUSAEAENRT   BOOBU K20    C     N39320038W104412757                      E0087     NAR           BOOBU
        SUSAEAENRT   CADKO K20    C     N39495068W104411527                      E0087     NAR           CADKO
        SUSAEAENRT   CORDE K20    C     N39465146W104411733                      E0087     NAR           CORDE
        SUSAEAENRT   HYGEN K20    C   L N40090389W105105791                      E0090     NAR           HYGEN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2ADEN     0     160YHN39514200W104402340E008005434         1800018000C    MNAR    DENVER INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2FR34RY R      010BOOBUK2EA0E  I    IF                                  + 10000     18000                 A JS
        SUSAP KDENK2FR34RY R      011BENGLK2EA0E S  051TF                      35250032    + 10000                           A JS
        SUSAP KDENK2FR34RY R      012BOENGK2EA0E S  051TF                      35250047    + 09000                           A JS
        SUSAP KDENK2FR34RY R      020CORDEK2EA1E  F 051TF                      35250069    + 07000                 RW34R K2PGA JS
        SUSAP KDENK2FR34RY R      020CORDEK2EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KDENK2FR34RY R      021CADKOK2EA0E S  031TF                      35250030    V 0604006049        -300          A JS
        SUSAP KDENK2FR34RY R      030RW34RK2PG0GY M 031TF                      35250020      05412             -300          A JS
        SUSAP KDENK2FR34RY R      040         0  M     CA                      3525        + 06000                           A JS
        SUSAP KDENK2FR34RY R      050HYGENK2EA0EY  L   DF                                  + 10000                           A JS
        SUSAP KDENK2FR34RY R      060HYGENK2EA0EE  R   HM                      30900070    + 10000                           A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2GRW34R   0120003525 N39515077W104411388+0000    +1613705354000059150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2PR34RY RW34R001Y0000W34B0N3951507740W10441138780+161370300N3953493300W104411251001067500000000585F40035008FC88B3
        SUSAP KDENK2PR34RY RW34R002E      +16318+16318LPV       90318

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2SRW34RK2PG                0   18018010225                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5434 THRE: 5354	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34R
DENVER, CO	AIRPORT NAME: DENVER INTL	RNAV	RNAV (GPS) Y RWY 34R, AMDT 2	AMDT: 1
				DATED: 09/23/2010

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**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		BOOBU	010	FACF	IF		FB				AA 10000	
		BENGL	011	SDF	TF		FB	0.5	352.5(000.5T)	003.2	AA 10000	
		BOENG	012	SDF	TF		FB	0.5	352.5(000.5T)	004.7	AA 09000	
		CORDE	020	FAF	TF		FB	0.5	352.5(000.5T)	006.9	AA 07000	
		CADKO	021	SDF	TF		FB	0.3	352.5(000.5T)	003.0	AA 06040 GS 06049	
		RW34R	030	MAP	TF		FO	0.3	352.5(000.5T)	002.0	AT 05412	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		352.5(000.5T)		AA 06000	
	HYGEN	050		DF	L	FO				AA 10000	
	HYGEN	060		HM	R	FO		309.0(317.0T)	007.0	AA 10000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BENGL	N393514.94	W1044125.34	N3935.249	W10441.422
	BOENG	N393958.76	W1044122.08	N3939.979	W10441.368
	BOOBU	N393200.38	W1044127.57	N3932.006	W10441.460
	CADKO	N394950.68	W1044115.27	N3949.845	W10441.255
	CORDE	N394651.46	W1044117.33	N3946.858	W10441.289
	HYGEN	N400903.89	W1051057.91	N4009.065	W10510.965
	RW34R	N395150.77	W1044113.88	N3951.846	W10441.231

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34R	05354	59

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 5434 THRE: 5354	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34R
DENVER, CO	AIRPORT NAME: DENVER INTL	RNAV	RNAV (GPS) Y RWY 34R, AMDT 2	AMDT: 1
				DATED: 09/23/2010

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	BOOBU	BENGL	1. AAO	393104.60N/1043946.90W	6615 (6C)	500	AT2885	10000
			2. TERRAIN	393200.00N/1044003.00W	6303 (6300)		AS1500	7800
INTERMEDIATE:	BENGL	BOENG	3. AAO	393424.00N/1044045.00W	6408 (4E)	500	AT1994 AC98	9000
STEPDOWN			4. TERRAIN	393539.00N/1044136.00W	6168 (6200)		AS1500	7700
INTERMEDIATE:	BOENG	CORDE	5. AAO	393900.00N/1044003.00W	6021 (4E)	500	AC98 AT381	7000
STEPDOWN			6. TERRAIN	394000.00N/1044109.00W	5775 (5800)		AS1000	6800
FINAL: LPV	CORDE	RW34R				ASC		5554/200
FINAL: LNAV/VNAV	CORDE	RW34R	7. CTRL TWR	395145.00N/1044025.00W	5701 (1A)	PDA	SA-23	5838/484
			(08-000781)					
FINAL: LNAV	CORDE	CADKO/2.00 NM TO	8. AAO	394633.62N/1044106.18W	5789 (2C)	250		6040
		RW34R						
FINAL: LNAV STEPDOWN	CADKO/2.00 NM TO	RW34R	7. CTRL TWR	395145.00N/1044025.00W	5701 (1A)	250	SA-23	5940
	RW34R		(08-000781)					
2. PROCEDURE TURN	NA							
3. MISSED APPROACH — MAP:	DA / DA / RW34R	HYGEN				ASC		10000
			9. TOWER (08-001212)	400557.00N/1045350.00W	6249 (2C)	1000		7300
ELEV:	5384/5677/5840		10. TERRAIN	395130.00N/1044015.00W	5414 (5400)		AS1500	6900

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
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: RW34R

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	266/ 29.0	9115 (4E)	10200					

CITY AND STATE	ELEVATION: 5434 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DENVER, CO	DENVER INTL	RNAV	RNAV (GPS) Y RWY 34R, AMDT 2	ANM

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 35R, 34L, 35L, 34R
		(S) SALS
	X	MALSR 16L, 17R, 08, 25, 17L, 16R, 07, 26
	X	HIRL 35R, 16L, 34L, 17R, 35L, 08, 25, 17L, 16R, 07, 34R, 26
		MIRL
		REIL
	X	TDZ 35R, 16L, 34L, 17R, 35L, 16R, 07, 34R, 26
	X	C/L 35R, 16L, 34L, 17R, 35L, 08, 25, 17L, 16R, 07, 34R, 26
	X	OTHER (SPECIFY) PAPI-4R 35R, 35L, 16R, 07 PAPI-4L 16L, 34L, 17R, 08, 25, 17L, 34R, 26
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 35R, 16L, 34L, 17R, 35L, 25, 17L, 16R, 34R, 26
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	35R, 16L, 34L, 17R, 35L, 08, 25, 17L, 16R, 07, 34R, 26
	MIDFIELD	35R, 16L, 34L, 17R, 35L, 17L, 16R, 34R
	ROLL OUT	35R, 16L, 34L, 17R, 35L, 08, 25, 17L, 16R, 07, 34R, 26
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 5353.7
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 58.5
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: CHARLIE SCHNEIDER	DATE: 12/16/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

SEE ATTACHED AIRSPACE LETTER.

OBS #7 LOCATED 529' INTO LNAV/VNAV AND LNAV FINAL SECONDARY AREA

INTERMEDIATE FIX LOCATIONS AND ALTITUDES PER ATC REQUEST FOR SEPARATION AND AIRSPACE REQUIREMENTS.

LPV OCS 34:1

LNAV/VNAV SURFACE 23.4:1

INTERMEDIATE CONTROLLING OBSTACLE THE SAME FOR ALL FINAL TYPES.

AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2006-2010)

ACT= -25

MISSED APPROACH IAW 8260.54A (IPDS BUILD)

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

THE MAXIMUM TREE HEIGHT WITHIN 10NM OF DEN IS 75FT AGL SOURCE FROM COLORADO STATE FOREST SERVICE, DIVISION OF COLORADO STATE UNIVERSITY

KDEN ASOS ON SERVICE A/24 HRS

INITIAL, INTERMEDIATE AND INTERMEDIATE STEPDOWN FIX ALTITUDES AND LOCATIONS PER ATC REQUEST FOR SEPARATION AND AIRSPACE PURPOSES

VGSI DATA 3.00/63.0

VDP NA - VDP IS LESS THAN 0.5 NM AFTER STEPDOWN FIX

RADIO FIX AND HOLDING DATA RECORD

NAME: BENGL **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 393514.94N/1044125.34W **TYPE:** WP, RADAR, 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	DENVER	I-OUF	LOC/DME		172.51	180.51	18.73	18.73		8000	11000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-OUF	LOC/DME	R-173	19	8000	11000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34R	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (CAT II/CAT III)	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (SA CAT I)	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34R			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
FAC 1 MAG BRG CHANGED FROM 171.51 TO 172.51
FAC 1 MAGVAR CHANGED FROM 9E TO 8E
UPDATED FIX USE

DEVELOPED BY: **DATE:** 10/31/2011 **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:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: BOENG **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 393958.76N/1044122.08W **TYPE:** WP, RADAR, 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	DENVER	I-OUF	LOC/DME		172.51	180.51	14.00	14.00		9000	11000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-OUF	LOC/DME	R-173	14	9800	11000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES
NAME CHANGED FROM RLESS TO BOENG

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34R	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (CAT II/CAT III)	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (SA CAT I)	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34R			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
FAC 1 MAG BRG CHANGED FROM 171.51 TO 172.51
FAC 1 MAGVAR CHANGED FROM 9E TO 8E
UPDATED FIX USE
NAME CHANGED FROM RLESS TO BOENG

DEVELOPED BY: **DATE:** 10/31/2011 **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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BOOBU **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 393200.38N/1044127.57W **TYPE:** WP, RADAR, 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	DENVER	I-OUF	LOC/DME		172.51	180.51	21.97	21.97		8000	11000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-OUF	LOC/DME	R-173	22	8000	11000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34R	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (CAT II/CAT III)	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (SA CAT I)	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34R			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
FAC 1 MAG BRG CHANGED FROM 171.51 TO 172.51
FAC 1 MAGVAR CHANGED FROM 9E TO 8E
UPDATED FIX USE

DEVELOPED BY: **DATE:** 10/31/2011 **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:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CADKO **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 394950.68N/1044115.27W **TYPE:** WP, RADAR, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	DENVER	I-OUF	LOC/DME		172.51	180.51	4.15	4.14		6000	9800

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34R	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 12/12/2011 **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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CALTI **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 395511.93N/1044111.55W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 34R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/23/2010

REASON FOR REVISION:
FIX MOVED 1.85 NM NORTH.
KDEN R34R REMOVED FROM FIX MAKE UP FACILITIES.

DEVELOPED BY: **DATE:** 03/24/2010 **OFFICE:** AVN-130 **NAME:** JACOB POWERS

APPROVED BY: **DATE:** **OFFICE:** AVN-130 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CORDE **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 394651.46N/1044117.33W **TYPE:** WP, RADAR, 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	DENVER	I-OUF	LOC/DME		172.51	180.51	7.13	7.13	43309	7000	9800

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34R	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (CAT II/CAT III)	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (SA CAT I)	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34R			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
FIX MOVED 345 FT SOUTH TO UPDATED PFAF LOCATION, COORDINATES REVISED
FAC 1 MAG BRG CHANGED FROM 171.51 TO 172.51
FAC 1 MAGVAR CHANGED FROM 9E TO 8E
DME CHANGED FROM 7.07 TO 7.13
UPDATED FIX USE

DEVELOPED BY: **DATE:** 10/31/2011 **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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HYGEN **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400903.89N/1051057.91W **TYPE:** WP, INT, 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	GILL	GLL	VOR/DME	H	221.00	234.00	35.81	35.81		8000	17500
2	FALCON	FQF	VORTAC	H	306.00	317.00	37.90	37.90		8000	17500
3	DENVER	DEN	VOR/DME	H	302.30	310.30	31.49	31.49		9100	17500
4	KREMMLING	RLG	VOR/DME	H	066.87	080.87	58.70	58.70		17000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RLG	VOR/DME	R-067	59	17000	18000

FIX RESTRICTIONS:
MCA V220 17000 SOUTHWEST BOUND
MCA V85 11500 NORTHWEST BOUND

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	SE	FQF	VORTAC	306.00	306.00	R	1		10000	14000	11	12
2	SE		WP	126.00	306.00	R		7	10200	14000	10	11
3	SE	DEN	VOR/DME	302.30	302.30	R	1		10400	14000	11	12
4	SE		WP	129.00	309.00	R		7	9000	14000	10	11
5	SE	FQF	VORTAC	306.00	306.00	R	1		9100	14000	11	12
6	SE	DEN	VOR/DME	302.30	302.30	R	1		9100	14000	11	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	AAO	401511.20N/1053651.40W	14455	6C
1	230	AAO	400824.00N/1052103.00W	8780	4E
1	310	AAO	400821.00N/1052415.00W	8846	4E
2	230	AAO	400824.00N/1052103.00W	8780	4E
2	310	AAO	400813.20N/1052117.30W	8788	6C
3	230	AAO	400824.00N/1052103.00W	8780	4E
3	310	AAO	401703.00N/1052424.00W	9023	4E
4	230	AAO	400824.00N/1052103.00W	8780	4E
5	230	AAO	400824.00N/1052103.00W	8780	4E
6	230	AAO	400824.00N/1052103.00W	8780	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	265	375
1	230	86
1	310	267
2	310	232
3	230	97
3	310	283
5	230	83
6	230	97

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC Z RWY 29R	KBJC	DENVER	CO (US)
1	ILS OR LOC Y RWY 29R	KBJC	DENVER	CO (US)
3	ILS OR LOC Z RWY 29R	KBJC	DENVER	CO (US)
3	ILS OR LOC Y RWY 29R	KBJC	DENVER	CO (US)

REMARKS:
GILL (FAC 1) AND FALCON (FAC 2) USED TO ESTABLISH FIX COORDINATES
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 16300.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 CONTROLLING OBSTRUCTION (230 KIAS) 11750.28 FT INTO SECONDARY AREA (7929 EQUIV).
PAT 2 CONTROLLING OBSTRUCTION (230 KIAS) 11585.56 FT INTO SECONDARY AREA (7810 EQUIV).
PAT 3 CONTROLLING OBSTRUCTION (230 KIAS) 11789.04 FT INTO SECONDARY AREA (7956 EQUIV).
PAT 4 CONTROLLING OBSTRUCTION (230 KIAS) 11585.56 FT INTO SECONDARY AREA (7810 EQUIV).
PAT 5 CONTROLLING OBSTRUCTION (230 KIAS) 11750.28 FT INTO SECONDARY AREA (7929 EQUIV).
PAT 6 CONTROLLING OBSTRUCTION (230 KIAS) 11789.04 FT INTO SECONDARY AREA (7956 EQUIV).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V220	1, 2, 4				(US)
EN ROUTE	V85	1, 2				(US)

QUALITY 4 CHECKED

IAP	ILS OR LOC Y RWY 29R	1, 2, 3	1, 3	KBJC	DENVER	CO (US)
IAP	ILS OR LOC Z RWY 29R	1, 2, 3	1, 3	KBJC	DENVER	CO (US)
IAP	RNAV (GPS) RWY 29L		2	KBJC	DENVER	CO (US)
IAP	RNAV (GPS) RWY 29R		2	KBJC	DENVER	CO (US)
IAP	ILS OR LOC RWY 25	1, 2	1	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 34L	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 34R	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (CAT II/III)	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (SA CAT I)	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (CAT II/CAT III)	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (SA CAT I)	1, 2, 3	5, 6	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 25		2	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34L		4	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34R		4	KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34L		4	KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34R		4	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) RWY 33			KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN	1, 2		KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
FACILITY 4 ADDED TO FIX MAKE-UP
FIX MOVED 1630.70 FT NE FAC 1DME CHANGED FROM 36.08 TO 35.81, FAC 2 MAG BRG CHANGED FROM 305.60 TO 306, TRUE BRG CHANGED FROM 316.60 TO 317.00 DME AND DISTANCE CHANGED FROM 37.93 TO 37.90, FAC 3 MAG BRG CHANGED FROM 298.83 TO 299.30, TRUE BRG CHANGED FROM 309.83 TO 310.30 DISTANCE CHANGED FROM 31.55 TO 31.49.
HOLDING PAT 1 & 2 CRS INBOUND CHANGED FROM 305.60 TO 306.00. PAT 3 CRS INBOUND CHANGED FROM 298.83 TO 302.30
FIX USE UPDATED
CHANGED FAC 1 MRA FROM 9000 TO 8000
RAISED MCA FOR 85 NORTHWEST BOUND FROM 11300 TO 11500
ADDED PATTERN 4, 5, 6

DEVELOPED BY: **DATE:** 12/08/2011 **OFFICE:** AJV-311 **NAME:** LORETTA ZUEST

APPROVED BY: **DATE:** **OFFICE:** AJV-311 **NAME:** RAY NUSSEAR

SIGNATURE:

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

QUALITY 4 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **DENVER** STATE: **CO**

AIRPORT NAME: **DENVER INTL** ID: **KDEN**

PROCEDURE: **RNAV (GPS) Y RWY 34R** AMDT: **2**

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 **3.73**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **000.51**
4. High Terrain in **FINAL** segment containing 1000' point **5579**
5. Distance from **THLD** to 1500' point **13.93**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **000.51**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **6168**
9. Threshold Coordinates (if straight-in) ... **395150.77N** / **1044113.88W**
10. ARP Coordinates ..... **395142.00N** / **1044023.40W**
11. Runway Approach End and distance furthest from ARP.....RWY **07**
    Distance **2.77** NM
12. FAF Coordinates ..... **394651.46N** / **1044117.33W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

Federal Aviation Administration

Memorandum

Date:

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

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

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.

5/31/2012

DENVER, CO (KFTG)
ILS OR LOC RWY 17 AMDT 1
ILS OR LOC RWY 35 AMDT 1
TAKE-OFF MINIMUMS AMDT 3

DENVER, CO (KAPA)
TAKE-OFF MINIMUMS AMDT 5

DENVER, CO (KBJC)
TAKE-OFF MINIMUMS AMDT 5

DENVER, CO (KDEN)
ILS OR LOC RWY 35L AMDT 5
ILS OR LOC RWY 35R AMDT 3
RNAV (GPS) Y RWY 35L AMDT 2
RNAV (GPS) Y RWY 35R AMDT 2
RNAV (RNP) Z RWY 35L ORIG
RNAV (RNP) Z RWY 35R ORIG
ILS OR LOC RWY 25 AMDT 3
ILS OR LOC RWY 7 AMDT 3
ILS OR LOC RWY 8 AMDT 5
ILS RWY 26 AMDT 3
RNAV (GPS) Y RWY 25 AMDT 1
RNAV (GPS) Y RWY 26 AMDT 1
RNAV (GPS) Y RWY 7 AMDT 1
RNAV (GPS) Y RWY 8 AMDT 1
RNAV (RNP) Z RWY 25 ORIG

RNAV (RNP) Z RWY 26 ORIG
RNAV (RNP) Z RWY 7 ORIG
RNAV (RNP) Z RWY 8 ORIG
ILS OR LOC RWY 16R AMDT 1
ILS RWY 16L AMDT 3
RNAV (GPS) Y RWY 16L AMDT 1
RNAV (GPS) Y RWY 16R AMDT 1
RNAV (RNP) Z RWY 16L ORIG
RNAV (RNP) Z RWY 16R ORIG
ILS OR LOC RWY 17L AMDT 4
ILS RWY 17R AMDT 3
RNAV (GPS) Y RWY 17L AMDT 1
RNAV (GPS) Y RWY 17R AMDT 1
RNAV (RNP) Z RWY 17L ORIG
RNAV (RNP) Z RWY 17R ORIG
ILS OR LOC RWY 34L AMDT 2
ILS OR LOC RWY 34R AMDT 3
RNAV (GPS) Y RWY 34L AMDT 2
RNAV (GPS) Y RWY 34R AMDT 2
RNAV (RNP) Z RWY 34L ORIG
RNAV (RNP) Z RWY 34R ORIG

Estimated Chart Date: 5/31/2011

Please publish these changes in the National Flight Data Digest.

COLORADO

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Denver	Denver Intl	Airport	KDEN / DEN	Old 11° East / New 08° East	2015
Denver		ILS	ACX	Old 11° East / New 08° East	2015
Denver		ILS	LTT	Old 11° East / New 08° East	2015
Denver		ILS	DPP	Old 09° East / New 08° East	2015
Denver		ILS	AQD	Old 09° East / New 08° East	2015
Denver		ILS	OUF	Old 09° East / New 08° East	2015
Denver		ILS	JOY	Old 11° East / New 08° East	2015
Denver		ILS	ERP	Old 11° East / New 08° East	2015
Denver		ILS	DZG	Old 11° East / New 08° East	2015

Denver		ILS	DXU	Old 09° East / New 08° East	2015
Denver		ILS	BXP	Old 11° East / New 08° East	2015
Denver		ILS	DQQ	Old 11° East / New 08° East	2015
Denver		ILS	FUI	Old 11° East / New 08° East	2015
Denver	DENVER	VOR/ DME	DEN	Old 11° East / New 08° East	2015
Denver	MILE HIGH	VORTAC	DVV	Old 11° East / New 08° East	2015

If you have any questions please notify Dez Silagyi (405-954-9977).