U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LINDZ	EIGHT	LINDZ8.LINDZ	SEVEN	10/20/2011	NOV 15 2012

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 33: CLIMB HEADING 343.00 TO 9100, THEN CLIMBING LEFT TURN TO 16000 ON HEADING 273.00 TO INTERCEPT I-PKN NW COURSE OUTBOUND TO LINDZ INT/DBL VOR/DME 12.61 DME. THEN VIA ASSIGNED TRANSITION, MAINTAIN 16000, EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
GRAND JUNCTION	LINDZ8.JNC	LINDZ	SLOLM	244.17 (DBL R-244)	22.55	14000		
		SLOLM	PACES	239.97 (JNC R-060)	31.35	13000		
		PACES	JNC VOR/DME	239.97 (JNC R-060)	24.83	11500		
KREMMLING	LINDZ8.RLG	LINDZ	SXW VOR/DME	016.28 (SXW R-196)	16.38	14000		
		SXW VOR/DME	JESIE	000.72 (SXW R-001)	24.22	14500		
		JESIE	RLG VOR/DME	079.73 (RLG R-260)	20.00	14500		
MEEKER	LINDZ8.EKR	LINDZ	SLOLM	244.17 (DBL R-244)	22.55	14000		
		SLOLM	RIL VOR/DME	332.86 (RIL R-153)	14.52	12400		
		RIL VOR/DME	EKR VOR/DME	333.69 & 328.56 (RIL R-334 & EKR R-149)	33.69	12400		
RED TABLE	LINDZ8.DBL	LINDZ	DBL VOR/DME	064.17 (DBL R-244)	12.61	14000		
RIFLE	LINDZ8.RIL	LINDZ	SLOLM	244.17 (DBL R-244)	22.55	14000		
		SLOLM	RIL VOR/DME	332.86 (RIL R-153)	14.52	12400		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: I-PKN BACK COURSE OUTBOUND IS NORMAL SENSING
TAKEOFF MINIMUMS: RWY 15, NA-TERRAIN. RWY 33, 400-1 WITH MINIMUM CLIMB OF 465 FT PER NM TO 10000.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 33, MULTIPLE TREES BEGINNING 35 FT FROM DER, 386 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/7722 FT MSL. MULTIPLE TREES, BUSHES, AND TERRAIN BEGINNING 4 FT FROM DER, 400 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/7821 FT MSL. MULTIPLE TREES, BUSHES, AND TERRAIN BEGINNING 3484 FT FROM DER, 752 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/8179 FT MSL.

QUALITY CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LINDZ	EIGHT	LINDZ8.LINDZ	SEVEN	10/20/2011	NOV 15 2012

CONTROLLING OBSTACLES:

RWY 33: 8179 FT MSL TREE 391423.00N/1065255.00W. 8539 FT MSL TREE 391613.40N/1065415.25W. 9439 FT MSL AAO 391836.86N/1065437.90W

LOST COMMUNICATIONS PROCEDURES:

IF NO TRANSMISSIONS ARE RECEIVED FOR ONE MINUTE AFTER DEPARTURE, TURN LEFT ON HEADING 273.00 TO INTERCEPT AND PROCEED VIA THE I-PKN NW COURSE (OUTBOUND) TO LINDZ INT/DBL VOR/DME 12.61 DME, THEN VIA ASSIGNED ROUTE/TRANSITION.

ADDITIONAL FLIGHT DATA:

CHART FACILITY CHANGE OVER POINT AT SLOLM ENROUTE TO JNC VORTAC
CHART V134-220-591, V220, V591, V200-591 AND MEA'S
CHART JNC R-060 ON V134-220-591, EKR R-149 ON V220 AND R-182 AT PACES, RIL R-153 AND R-334 ON V220, DBL R-244 ON V134, SXW R-001 AND R-196 ON V591, RLG R-260 ON V220-591

AIRPORTS SERVED:

ASPEN-PITKIN CO/SARDY FIELD	ASPEN, CO

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, ASPEN TOWER, CTAF, ASPEN DEP CON, ZDV, UNICOM

FIXES AND/OR NAVAIDS:

REMARKS:

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LINDZ	EIGHT	LINDZ8.LINDZ	SEVEN	10/20/2011	NOV 15 2012

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY:
JACOB A. POWERS AJV-354 06/23/2011

APPROVED BY:
DEZ SILAGYI AJV-354

COORDINATED WITH:
ATA, ALPA, APA, AOPA, NBAA, AMGR, ZDV, ASE ATCT

CHANGES:

KASE MAGVAR UDATE, NAVAID CHANGE FROM RGA TO RIL AND MAGVAR UPDATE.

1. DP ROUTE DESCRIPTION CHANGED FROM: TAKEOFF RWY 33: CLIMB HEADING 340.00 TO 9100, THEN CLIMBING LEFT TURN TO 16000 ON HEADING 270.00 TO INTERCEPT I-PKN NW COURSE OUTBOUND TO LINDZ INT/DBL 12.61 DME. THEN VIA ASSIGNED TRANSITION, MAINTAIN 16000, EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE, TO: TAKEOFF RWY 33: CLIMB HEADING 343.00 TO 9100, THEN CLIMBING LEFT TURN TO 16000 ON HEADING 273.00 TO INTERCEPT I-PKN NW COURSE OUTBOUND TO LINDZ INT/DBL VOR/DME 12.61 DME. THEN VIA ASSIGNED TRANSITION, MAINTAIN 16000, EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.
2. TRANSITION ROUTE UPDATED: ALL TRANSITIONS CODES UPDATED FROM 7 TO 8, COMPUTER CODE FOR RIFLE CHANGED FROM LINDZ7.RGA TO LINDZ8.RIL.
3. MEEKER TRANSITION FROM FIX/NAVAID TO FIX NAVAID COURSE AND DISTANCE UPDATED: FROM SLOLM-RGA VOR/DME 330.33 (RGA R-150) 14.50, TO: SLOLM-RIL VOR/DME 332.86 (RIL R-153) 14.52, AND FROM RGA VOR/DME-EKR VORDME 334.77 & 329.69 (RGA R-335 & EKR R-150) 33.74, TO: RIL VOR/DME-EKR VOR/DME 333.69 & 328.56 (RIL R-334 & EKR R-149).
4. RIFLE TRANSITION FIX/NAVAID TO FIX NAVAID COURSE AND DISTANCE UPDATED: FROM: SLOLM-RGA VOR/DME 330.33 (RGA R-150) 14.50, TO: SLOM-RIL VOR/DME 332.86 (R-153) 14.52.
5. UPDATED LOST COMMUNICATION PROCEDURES FROM: IF NO TRANSMISSIONS ARE RECEIVED FOR ONE MINUTE AFTER DEPARTURE, TURN LEFT ON HEADING 270.00 TO INTERCEPT AND PROCEED VIA THE I-PKN NW COURSE (OUTBOUND) TO LINDZ INT/DBL 12.61 DME, THEN VIA ASSIGNED ROUTE/TRANSITION. TO: IF NO TRANSMISSIONS ARE RECEIVED FOR ONE MINUTE AFTER DEPARTURE, TURN LEFT ON HEADING 273.00 TO INTERCEPT AND PROCEED VIA THE I-PKN NW COURSE (OUTBOUND) TO LINDZ INT/DBL VOR/DME 12.61 DME, THEN VIA ASSIGNED ROUTE/TRANSITION.
6. UPDATED ADDITIONAL FLIGHT DATA FROM: CHART FACILITY CHANGE OVER POINT AT SLOLM ENROUTE TO JNC VORTAC CHART V134-220-591, V220, V591, V200-591 AND MEA'S, CHART JNC R-060 ON V134-220-591, EKR R-149 ON V220 AND R-182 AT PACES, RGA R-150 AND R-335 ON V220, DBL R-244 ON V134, SXW R-001 AND R-196 ON V591, RLG R-260 ON V220-591, TO: CHART FACILITY CHANGE OVER POINT AT SLOLM ENROUTE TO JNC VORTAC, CHART V134-220-591, V220, V591, V200-591 AND MEA'S CHART JNC R-060 ON V134-220-591, EKR R-149 ON V220 AND R-182 AT PACES, RIL R-153 AND R-334 ON V220, DBL R-244 ON V134, SXW R-001 AND R-196 ON V591, RLG R-260 ON V220-591

REASONS:

MAGVAR UPDATE FOR KASE, KRIL, NAVAID USE CHANGED FROM RGA VOR/DME TO RIL VOR/DME AND MAGVAR UPDATE.

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LINDZ	EIGHT	LINDZ8.LINDZ	SEVEN	10/20/2011	NOV 15 2012

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DBL   K2011300VDHW N39262164W106534085    N39262164W106534085E0120118002     NARRED TABLE
        SUSAD        EKR   K2011520VDHW N40040275W107552977    N40040275W107552977E0150076312     NARMEEKER
        SUSAD        JNC   K2011240VDHW N39033444W108473327    N39033444W108473327E0150071002     NARGRAND JUNCTION
        SUSAD        RIL   K2011060VDLW N39314196W107431063    N39314196W107431063E0100055331     NARRIFLE
        SUSAD        RLG   K2011380VDHW N40000951W106263296    N40000951W106263296E0140093702     NARKREMMLING
        SUSAD        SXW   K2010920VDTW N39374615W106592807    N39374615W106592807E0120080600     NARSNOW
        SUSAD        TDD   K3010860VDLW N41585399W100430852    N41585399W100430852E0090031801     NARTHEDFORD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JESIE K20    C   L N40012472W106523152                    E0098     NAR           JESIE
        SUSAEAENRT   LINDZ K20    C   L N39231955W107092850                    E0098     NAR           LINDZ
        SUSAEAENRT   PACES K20    C   L N39095700W108164361                    E0103     NAR           PACES
        SUSAEAENRT   SLOLM K20    C   L N39174853W107373990                    E0100     NAR           SLOLM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KASEK2AASE     0     080YHN39132340W106520790E009007838         1800018000C    MNAR    ASPEN-PITKIN CO/SARDY FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KASEK2DLINDZ81RW33  010         0        VA                    3430        + 09100     18000
        SUSAP KASEK2DLINDZ81RW33  020         0        VI                    2730
        SUSAP KASEK2DLINDZ81RW33  030LINDZK2EA0EE      CF TDD K3      2352332430300080D   + 16000
        SUSAP KASEK2DLINDZ83DBL   010LINDZK2EA0E       IF                                            18000
        SUSAP KASEK2DLINDZ83DBL   020DBL  K2D 0VE      TF                    06420126
        SUSAP KASEK2DLINDZ83EKR   010LINDZK2EA0E       IF                                            18000
        SUSAP KASEK2DLINDZ83EKR   020SLOLMK2EA0E       TF                    24420226
        SUSAP KASEK2DLINDZ83EKR   030RIL  K2D 0V       TF                    33290145
        SUSAP KASEK2DLINDZ83EKR   040EKR  K2D 0VE      TF                    33370337
        SUSAP KASEK2DLINDZ83JNC   010LINDZK2EA0E       IF                                            18000
        SUSAP KASEK2DLINDZ83JNC   020SLOLMK2EA0E       TF                    24420226
        SUSAP KASEK2DLINDZ83JNC   030PACESK2EA0E       TF                    24000314
        SUSAP KASEK2DLINDZ83JNC   040JNC  K2D 0VE      TF                    24000248
        SUSAP KASEK2DLINDZ83RIL   010LINDZK2EA0E       IF                                            18000
        SUSAP KASEK2DLINDZ83RIL   020SLOLMK2EA0E       TF                    24420226
        SUSAP KASEK2DLINDZ83RIL   030RIL  K2D 0VE      TF                    33290145
        SUSAP KASEK2DLINDZ83RLG   010LINDZK2EA0E       IF                                            18000
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LINDZ	EIGHT	LINDZ8.LINDZ	SEVEN	10/20/2011	NOV 15 2012

```
        SUSAP KASEK2DLINDZ83RLG   020SXW  K2D 0V       TF                    01630164
        SUSAP KASEK2DLINDZ83RLG   030JESIEK2EA0E        TF                    00070242
        SUSAP KASEK2DLINDZ83RLG   040RLG  K2D 0VE       TF                    07970200
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KASEK2GRW33    0080053306 N39125095W106515237-2000    +2369807820100050100DIPKN1
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LINDZ	EIGHT	LINDZ8.LINDZ	SEVEN	10/20/2011	NOV 15 2012

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW33		010		VA		FB		343.0()		AA 09100	
	RW33		020		VI		FB		273.0()			
	RW33	LINDZ	030		CF		FB		303.0()	008.0	AA 16000	
	DBL	LINDZ	010		IF		FB					
	DBL	DBL	020		TF		FB		064.2()	012.6		
	EKR	LINDZ	010		IF		FB					
	EKR	SLOLM	020		TF		FB		244.2()	022.6		
	EKR	RIL	030		TF		FB		332.9()	014.5		
	EKR	EKR	040		TF		FB		333.7()	033.7		
	JNC	LINDZ	010		IF		FB					
	JNC	SLOLM	020		TF		FB		244.2()	022.6		
	JNC	PACES	030		TF		FB		240.0()	031.4		
	JNC	JNC	040		TF		FB		240.0()	024.8		
	RIL	LINDZ	010		IF		FB					
	RIL	SLOLM	020		TF		FB		244.2()	022.6		
	RIL	RIL	030		TF		FB		332.9()	014.5		
	RLG	LINDZ	010		IF		FB					
	RLG	SXW	020		TF		FB		016.3()	016.4		
	RLG	JESIE	030		TF		FB		000.7()	024.2		
	RLG	RLG	040		TF		FB		079.7()	020.0		

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
DBL	N392621.64	W1065340.85	N3926.361	W10653.681
EKR	N400402.75	W1075529.77	N4004.046	W10755.496
JNC	N390334.44	W1084733.27	N3903.574	W10847.555
RIL	N393141.96	W1074310.63	N3931.699	W10743.177
RLG	N400009.51	W1062632.96	N4000.159	W10626.549
SXW	N393746.15	W1065928.07	N3937.769	W10659.468
TDD	N415853.99	W1004308.52	N4158.900	W10043.142
JESIE	N400124.72	W1065231.52	N4001.412	W10652.525
LINDZ	N392319.55	W1070928.50	N3923.326	W10709.475
PACES	N390957.00	W1081643.61	N3909.950	W10816.727
SLOLM	N391748.53	W1073739.90	N3917.809	W10737.665
RW33	N391250.95	W1065152.37	N3912.849	W10651.873

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW33	07820	50

RADIO FIX AND HOLDING DATA RECORD

NAME: LINDZ **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 392319.55N/1070928.50W **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	FEET	MRA	MAA
1	RED TABLE	DBL	VOR/DME	H	244.17	256.17	12.61	12.61		14000	17500
2	SNOW	SXW	VOR/DME	T	196.28	208.28		16.38		14000	17500
3	ASPEN	I-PKN	LOC		303.00	312.00		21.08		12200	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-PKN	LOC	R-303	22	12200	17500

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) Z RWY 15, KASE, ASPEN, CO
SPECIAL RNAV (RNP) Y RWY 15, KASE, ASPEN, CO
SPECIAL LOC/DME RWY 15, KASE, ASPEN, CO

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	DBL	VOR/DME	244.17	064.17	L	1-1 1/2		16000	17500	16	17
2	SW		WP	244.17	064.17	L		8	14000	14000	11	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	391540.60N/1071003.30W	13153	6C
1	310	AAO	391540.60N/1071003.30W	13153	6C
2	230	AAO	391540.60N/1071003.30W	13153	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	265	375
2	230	375

REASON FOR NONSTANDARD HOLDING:
PAT 1 HIGH TERRAIN SOUTH
PAT 2 HIGH TERRAIN SOUTH

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	SARDD	KASE	ASPEN	CO (US)

REMARKS:
AIR TRAFFIC REQUESTED C-I-H TO 16000 ON SARDD DEPARTURE, MEA ON AIRWAY 14000
PAT 2 CONTROLLING OBSTRUCTION LOCATED 5469' INTO SECONDARY AREA, PRIMARY EQUIVALENT: 12378'.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN	1, 2, 3		KASE	ASPEN	CO (US)
DP	LINDZ	1, 2, 3		KASE	ASPEN	CO (US)
DP	PITKN (RNAV)			KASE	ASPEN	CO (US)
DP	SARDD	1, 2, 3	1	KASE	ASPEN	CO (US)
EN ROUTE	V134	1, 2				(US)
EN ROUTE	V591	1, 2				(US)
IAP	LOC/DME RWY 15	1, 2, 3		KASE	ASPEN	CO (US)
IAP	LOC/DME-E	1, 2, 3		KASE	ASPEN	CO (US)
IAP	RNAV (GPS) Z RWY 15		2	KASE	ASPEN	CO (US)
IAP	RNAV (GPS)-F			KASE	ASPEN	CO (US)
IAP	RNAV (RNP) Y RWY 15		2	KASE	ASPEN	CO (US)
IAP	VOR/DME-C	1, 2, 3		KASE	ASPEN	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
CHANGED FAC 3 MRA FROM 12600 TO 12200, UPDATED I-PKN ESV MIN ALTITUDE FROM 12600 TO 12200.
UPDATED PAT 1 CONTROLLING OBSTRUCTION ACCURACY CODE, UPDATED PAT 2 CONTROLLING OBSTRUCTION.
CHANGED PAT 1 MIN TEMPLATE FROM 15 TO 16, MAX TEMPLATE FROM 16 TO 17.
UPDATED FIX USE.

DEVELOPED BY:	**DATE:** 03/10/2012	**OFFICE:** AJV-354	**NAME:** JACOB POWERS
APPROVED BY:	**DATE:**	**OFFICE:** AJV-354	**NAME:** DEZ SILAGYI
	SIGNATURE:		

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

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MEEKER VOR/DME ✓ **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400402.75N/1075529.77W **TYPE:**

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	MEEKER	EKR	VOR/DME	H							45000

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	W	EKR	VOR/DME	270.00	090.00	R	1-1 1/2		10000	17500	9	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	395706.00N/1075333.00W	8747	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	171

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	PITKN			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	ROCKIES			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	ROCKIES			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	ROCKIES			KBJC	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	ROCKIES			KDEN	DENVER	CO (US)
DP	DENVER			KFTG	DENVER	CO (US)
DP	ROCKIES			KFTG	DENVER	CO (US)
DP	MEEKER			KEGE	EAGLE	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	ROCKIES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND JUNCTION			KGJT	GRAND JUNCTION	CO (US)
DP	GRAND MESA			KGJT	GRAND JUNCTION	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	ROCKIES			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	LEETZ			KSLC	SALT LAKE CITY	UT (US)
DP	NSIGN			KSLC	SALT LAKE CITY	UT (US)
EN ROUTE	J100					(US)
EN ROUTE	J116					(US)
EN ROUTE	J156					(US)
EN ROUTE	J173					(US)
EN ROUTE	J196-198					(US)
EN ROUTE	J199					(US)
EN ROUTE	J84					(US)
EN ROUTE	J84-100					(US)
EN ROUTE	Q126					(US)
EN ROUTE	V108					(US)
EN ROUTE	V200					(US)
EN ROUTE	V220					(US)
EN ROUTE	V26					(US)
IAP	LOC/DME-E			KASE	ASPEN	CO (US)
IAP	VOR/DME OR GPS-C			KASE	ASPEN	CO (US)
IAP	VOR RWY 25			KCAG	CRAIG	CO (US)
IAP	VOR/DME RWY 07			KCAG	CRAIG	CO (US)
IAP	ILS OR LOC RWY 11			KGJT	GRAND JUNCTION	CO (US)
IAP	VOR/DME-B			KHDN	HAYDEN	CO (US)
IAP	RNAV (GPS) - B			KEEO	MEEKER	CO (US)
IAP	RNAV (GPS) RWY 03			KEEO	MEEKER	CO (US)
IAP	VOR-A		1	KEEO	MEEKER	CO (US)
IAP	ILS RWY 26			KRIL	RIFLE	CO (US)
IAP	LOC/DME-A			KRIL	RIFLE	CO (US)

OTHER	TAKE-OFF MINIMUMS	KEEO	MEEKER	CO (US)
STAR	TOMSN	KDEN	DENVER	CO (US)
STAR	LEEHY	KSLC	SALT LAKE CITY	UT (US)
STAR	SPANE	KSLC	SALT LAKE CITY	UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED FIX USE.
NEW FACILITY SURVEY, NEW COORDINATES 21.73 FT FROM PREVIOUS LOCATION, COORDINATES UPDATED
REMOVED ALL REFERENCES TO PAT 1 C-I-H, NOT REQUIRED FOR PROCEDURE.

DEVELOPED BY: **DATE:** 04/04/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: RED TABLE VOR/DME **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 392621.64N/1065340.85W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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	RED TABLE	DBL	VOR/DME	H							45000

FIX RESTRICTIONS:
SPECIAL GLENO-ONE (RNP), KASE, ASPEN, CO
SPECIAL RNAV (GPS) Z RWY 15, KASE, ASPEN, CO
SPECIAL LOC/DME RWY 15, KASE, ASPEN, CO

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	N	DBL	VOR/DME	344.00	164.00	R	1-1 1/2		14000	29000	10	22
2	N	DBL	VOR/DME	343.38	163.38	R	1-1 1/2		13700	17500	10	16
3	N		WP	343.38	163.38	R		8	13700	17500	11	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	392506.00N/1064648.00W	11979	4E
2	230	AAO	392506.00N/1064648.00W	11979	4E
3	230	AAO	392512.60N/1064616.80W	12238	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	375
2	230	375
3	230	375

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	GLENO-ONE (RNP)			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	SARDD (OBSTACLE)			KASE	ASPEN	CO (US)
DP	ROCKIES		1	KBKF	AURORA	CO (US)
DP	SPRINGS			KCOS	COLORADO SPRINGS	CO (US)
DP	ROCKIES		1	KAPA	DENVER	CO (US)
DP	ROCKIES		1	KBJC	DENVER	CO (US)
DP	ROCKIES		1	KDEN	DENVER	CO (US)
DP	ROCKIES		1	KFTG	DENVER	CO (US)
DP	GYPSUM			KEGE	EAGLE	CO (US)
DP	MEEKER			KEGE	EAGLE	CO (US)
DP	ROCKIES		1	KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND JUNCTION			KGJT	GRAND JUNCTION	CO (US)
DP	GRAND MESA			KGJT	GRAND JUNCTION	CO (US)
DP	ROCKIES		1	KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	UYRIG (RNAV) DP			KRIL	RIFLE	CO (US)
EN ROUTE	J206					(US)
EN ROUTE	J60					(US)
EN ROUTE	J80					(US)
EN ROUTE	V108					(US)
EN ROUTE	V134					(US)
EN ROUTE	V356					(US)
EN ROUTE	V361					(US)
EN ROUTE	V421					(US)
IAP	LOC/DME RWY 15			KASE	ASPEN	CO (US)
IAP	LOC/DME-E			KASE	ASPEN	CO (US)
IAP	RNAV (GPS) Z RWY 15			KASE	ASPEN	CO (US)
IAP	RNAV (GPS)-F		3	KASE	ASPEN	CO (US)
IAP	ROARING FORK VISUAL RWY 15			KASE	ASPEN	CO (US)
IAP	VOR/DME-C		2	KASE	ASPEN	CO (US)
IAP	ILS RWY 26			KRIL	RIFLE	CO (US)
IAP	LOC/DME-A			KRIL	RIFLE	CO (US)
IAP	RNAV (GPS) Z RWY 26			KRIL	RIFLE	CO (US)

IAP	RNAV (RNP) Y RWY 26	KRIL	RIFLE	CO (US)
STAR	LARKS	KDEN	DENVER	CO (US)
STAR	POWDR	KDEN	DENVER	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED PATTERN 1 AND 2.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/24/2012 **OFFICE:** AJV-354 **NAME:** JACOB POWERS

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: RIFLE VOR/DME **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 393141.96N/1074310.63W **TYPE:**

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	RIFLE	RIL	VOR/DME	L							17500

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

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	E	RIL	VOR/DME	083.00	263.00	R	1-1 1/2		13000	17500	10	16
2	N	RIL	VOR/DME	343.00	163.00	L	1-1 1/2		12400	17500	10	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	392327.00N/1075115.00W	11031	6A
1	230	AAO	393921.00N/1072839.00W	10115	4E
1	310	AAO	394354.20N/1072504.50W	11595	6A
2	230	AAO	394724.00N/1074739.00W	9740	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	230	375
1	310	375
1	230	375
2	230	359

REASON FOR NONSTANDARD HOLDING:
PAT 2 TERRAIN

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 13500.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKE-OFF MINIMUMS	KRIL	RIFLE	CO (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	PITKN (RNAV)			KASE	ASPEN	CO (US)
DP	ROCKIES			KBKF	AURORA	CO (US)
DP	ROCKIES			KAPA	DENVER	CO (US)
DP	ROCKIES			KBJC	DENVER	CO (US)
DP	ROCKIES			KDEN	DENVER	CO (US)
DP	ROCKIES			KFTG	DENVER	CO (US)
DP	ROCKIES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND MESA			KGJT	GRAND JUNCTION	CO (US)
DP	ROCKIES			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	TAKE-OFF MINIMUMS		1	KRIL	RIFLE	CO (US)
EN ROUTE	V220					(US)
EN ROUTE	V8					(US)
IAP	RNAV (GPS) RWY 03			KEEO	MEEKER	CO (US)
IAP	ILS RWY 26			KRIL	RIFLE	CO (US)
IAP	LOC/DME-A			KRIL	RIFLE	CO (US)
IAP	VOR/DME-C			KRIL	RIFLE	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX NAVAID MOVE FROM 393128.38N/1074357.02W TO 393141.96N/1074310.63W.
UPDATED FIX NAVAID 3 LETTER ID FROM RGA TO RIL.

DEVELOPED BY:	**DATE:** 04/09/2012	**OFFICE:** AJV-354	**NAME:** VICTOR NASO
APPROVED BY:	**DATE:**	**OFFICE:** AJV-354	**NAME:** DEZ SILAGYI
	SIGNATURE:		

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SLOLM **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 391748.53N/1073739.90W **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	GRAND JUNCTION	JNC	VOR/DME	H	059.97	074.97	56.18	56.18		13000	17500
2	RIFLE	RIL	VOR/DME	L	152.86	162.86	14.52	14.52		12400	17500
3	RED TABLE	DBL	VOR/DME	H	244.17	256.17	35.16	35.16		14000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
JNC	VOR/DME	R-060	57	13000	17500

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	AAO	390853.40N/1070500.60W	14330	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	265	375

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 15100

REMARKS:
RIFLE (FAC 2) AND GRAND JUNCTION (FAC 1) USED TO ESTABLISH FIX COORDINATES
HOLDING PATTERN OBSTACLE LOCATED 10848 FEET IN SECONDARY AREA
WP/FIX COLLOCATED ON V134-220-591

MINIMUM TURN ALTITUDES: AIRCRAFT PROCEEDING JNC V134-220-591 SLOLM V220 RGA, OR DBL V134 SLOLM V220 RGA, OR SXW V591 SLOLM V220 RGA, MUST MAINTAIN 12900 OR HIGHER UNTIL ESTABLISHED ON CENTERLINE OF V220 NW BOUND

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LINDZ	1, 3		KASE	ASPEN	CO (US)
DP	PITKIN (RNAV)	1, 3		KASE	ASPEN	CO (US)
DP	EDUKY (RNAV) DP			KRIL	RIFLE	CO (US)
EN ROUTE	V134-591	1, 3				(US)
EN ROUTE	V220	1, 2, 3				(US)
IAP	RNAV (GPS) Y RWY 8			KRIL	RIFLE	CO (US)
IAP	RNAV (RNP) Y RWY 26			KRIL	RIFLE	CO (US)
IAP	RNAV (RNP) Z RWY 26			KRIL	RIFLE	CO (US)
IAP	RNAV (RNP) Z RWY 8			KRIL	RIFLE	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
REMOVED RIFLE (RGA) TEMPORARY VOR/DME FROM FIX MAKE-UP FACILITIES.
REMOVED RIFLE (RGA) TEMPORARY VOR/DME FROM FIX USE TYPE FOR EN ROUTE V220 AND DP PITKIN.
ADDED RIFLE (RIL) VOR/DME PERMANENT LOCATION TO FIX MAKE-UP FACILITIES.
ADDED RIFLE (RIL) VOR/DME PERMANENT LOCATION TO FIX USE TYPE FOR ENROUTE V220.

DEVELOPED BY: **DATE:** 02/17/2012 **OFFICE:** AJV-311 **NAME:** TOBY HUFF (CHARLES BROOKS)

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: GRAND JUNCTION VOR/DME **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 390334.44N/1084733.27W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	GRAND JUNCTION	JNC	VOR/DME	H							45000

FIX RESTRICTIONS:
MCA V187 10700 SOUTHBOUND
MCA V391 10700 SOUTHBOUND

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	JNC	VOR/DME	232.32	052.32	L	1-1 1/2		10000	45000	9	29
2	W	JNC	VOR/DME	255.00	075.00	L	1		10000	12000	9	9
3	W		WP	257.00	077.00	L		7	9000	12000	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	385000.30N/1084629.60W	9920	6C
1	230	AAO	385512.00N/1085830.00W	7930	4E
2	230	TOWER (08-000494)	390356.00N/1084454.00W	7476	5E
2	310	AAO	385451.00N/1084354.00W	8970	4E
3	230	TOWER (08-000494)	390356.00N/1084454.00W	7476	5E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	230	370
1	230	242
2	230	216
2	310	309
3	230	223

REASON FOR NONSTANDARD HOLDING:
PAT 3 TERRAIN
PAT 1 TERRAIN
PAT 2 TERRAIN

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 12000

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LDA/DME RWY 29	KGJT	GRAND JUNCTION	CO (US)
2	MONUMENT	KGJT	GRAND JUNCTION	CO (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	PITKN (RNAV)			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	DENVER			KFTG	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND JUNCTION		2	KGJT	GRAND JUNCTION	CO (US)
DP	GRAND MESA		2	KGJT	GRAND JUNCTION	CO (US)
DP	MONUMENT		2	KGJT	GRAND JUNCTION	CO (US)
DP	NOKXI (RNAV)			KGJT	GRAND JUNCTION	CO (US)
DP	RHONE (RNAV)		3	KGJT	GRAND JUNCTION	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	BRICK			KMTJ	MONTROSE	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	SALT LAKE			KSLC	SALT LAKE CITY	UT (US)
EN ROUTE	J12					(US)
EN ROUTE	J15					(US)
EN ROUTE	J80					(US)
EN ROUTE	V134					(US)

QUALITY CHECKED

EN ROUTE	V187					(US)
EN ROUTE	V220					(US)
EN ROUTE	V26					(US)
EN ROUTE	V382					(US)
EN ROUTE	V391					(US)
EN ROUTE	V484					(US)
EN ROUTE	V591					(US)
EN ROUTE	V8					(US)
IAP	ILS OR LOC RWY 11	1		KGJT	GRAND JUNCTION	CO (US)
IAP	LDA/DME RWY 29	1	1	KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (GPS) RWY 29			KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (GPS) Y RWY 11			KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (RNP) Z RWY 11		3	KGJT	GRAND JUNCTION	CO (US)
IAP	TAKE-OFF MINIMUMS			KGJT	GRAND JUNCTION	CO (US)
IAP	ILS OR LOC/DME RWY 17			KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) Y RWY 8			KRIL	RIFLE	CO (US)
IAP	RNAV (GPS) Z RWY 8			KRIL	RIFLE	CO (US)
IAP	VOR-A			KCNY	MOAB	UT (US)
STAR	POWDR			KDEN	DENVER	CO (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, AREA, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 19 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
1. MODIFIED PAT 3 MINIMUM HOLDING ALTITUDE FROM 10000 TO 9000.
2. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/12/2011 **OFFICE:** AJV-354 **NAME:** ROY CURRIE

APPROVED BY: **DATE:** 07/12/2011 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN ATCT, GJT ATCT
OTHER:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: JESIE **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400124.72N/1065231.52W **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	SNOW	SXW	VOR/DME	T	000.72	012.72	24.22	24.22		14500	17500
2	KREMMLING	RLG	VOR/DME	H	259.73	273.73	20.00	20.00		14500	17500

FIX RESTRICTIONS:
SPECIAL RNAV (GPS)-E, KEGE, EAGLE, CO
SPECIAL ILS OR LOC/DME RWY 25, KEGE, EAGLE, CO
SPECIAL LOC/FMS RWY 25, KEGE, EAGLE, CO
SPECIAL COTTONWOOD (RNAV) (FMS), KEGE, EAGLE, CO

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	N	SXW	VOR/DME	000.72	180.72	L	1 1/2	4	14500	17500	16	17
2	N		WP	359.79	179.79	L		10	14500	17500	16	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	AAO	400054.00N/1070500.00W	12575	4E
1	265	AAO	395927.00N/1070257.00W	12254	4E
1	310	AAO	400054.00N/1070500.00W	12575	4E
2	265	AAO	395927.00N/1070254.00W	12158	4E
2	310	AAO	400054.00N/1070500.00W	12575	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	265	375
1	265	334
1	310	351
2	265	334
2	310	351

REASON FOR NONSTANDARD HOLDING:
PAT 1 TERRAIN
PAT 2 TERRAIN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS
UNPLANNED HOLDING AUTHORIZED ON V200 AT OR ABOVE 15000

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LDA/DME RWY 25	KEGE	EAGLE	CO (US)
1	ILS OR LOC/DME RWY 25	KEGE	EAGLE	CO (US)
1	LOC/FMS RWY 25	KEGE	EAGLE	CO (US)
2	RNAV (GPS)-D	KEGE	EAGLE	CO (US)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LINDZ	1, 2		KASE	ASPEN	CO (US)
DP	COTTONWOOD (RNAV) (FMS)			KEGE	EAGLE	CO (US)
EN ROUTE	V200	1, 2				CO (US)
EN ROUTE	V200-591	1, 2				CO (US)
EN ROUTE	V591	1, 2				CO (US)
IAP	ILS OR LOC/DME RWY 25	1, 2	1	KEGE	EAGLE	CO (US)
IAP	LDA/DME RWY 25	1, 2	1	KEGE	EAGLE	CO (US)
IAP	LOC/FMS RWY 25	1, 2	1	KEGE	EAGLE	CO (US)
IAP	RNAV (GPS)-D		2	KEGE	EAGLE	CO (US)
IAP	RNAV (GPS)-E		2	KEGE	EAGLE	CO (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 11/18/2010

QUALITY & CHECKED

INFORMATION ONLY

REASON FOR REVISION:
DELETED FACILITY 3 - NOT REQUIRED
UPDATED FIX USE - NEW FORMAT; REMOVED LOC/DME-C; ADDED V200-591
ADDED UNPLANNED HOLDING PATTERN, OBSTACLE, AND RAISED UNPLANNED HOLDING ALTITUDE FROM 14500 TO 15000 - OBSTACLE DATA, PRECIP TERRAIN, CRITERIA
ADDED PRECIPITOUS TERRAIN DATA AND ADJUSTMENTS - CRITERIA
ADDED PATTERN 2 REASON FOR LEFT TURNS AS TERRAIN - CRITERIA
ADDED FACS 1 & 2 DISTANCE FROM FAC - CRITERIA
ADDED PROCEDURES REQUIRING CLIMB-IN-HOLD DATA - CRITERIA
UPDATED HOLDING PATTERNS 1 & 2 OBSTACLE DATA AND MINIMUM HOLDING ALTITUDES - OBSTACLE DATA
ADDED PATTERNS 1 & 2 310K OBSTACLE AND PRECIPITOUS TERRAIN ADDITIONS DATA - CRITERIA

DEVELOPED BY:	**DATE:** 06/09/2010	**OFFICE:** AVN-130	**NAME:** JOHN ROSARIO
APPROVED BY:	**DATE:** 10/25/2010	**OFFICE:** AVN-130	**NAME:** DEZ SILAGYI
	SIGNATURE:		

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

QUALITY CHECKED

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: KREMMLING VOR/DME **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400009.51N/1062632.96W **TYPE:**

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	KREMMLING	RLG	VOR/DME	H							45000

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	SW	RLG	VOR/DME	231.00	051.00	L	1-1 1/2		13000	17500	10	20
2	W	RLG	VOR/DME	260.00	080.00	R	1 1/2		14000	45000	13	29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	395136.00N/1063257.00W	11116	4E
1	265	AAO	395045.90N/1063200.30W	11684	4E
1	310	AAO	394912.30N/1062950.40W	11773	6A
2	265	AAO	395045.90N/1063200.30W	11684	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	265	325
1	310	328
1	230	320
2	265	333

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKE-OFF MINIMUMS	K20V	KREMMLING	CO (US)

REMARKS:
CHART PATTERN 2 ON ENROUTE HIGH AND LOW
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	ROCKIES		2	KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	ROCKIES		2	KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	ROCKIES		2	KBJC	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	ROCKIES		2	KDEN	DENVER	CO (US)
DP	DENVER			KFTG	DENVER	CO (US)
DP	ROCKIES		2	KFTG	DENVER	CO (US)
DP	GYPSUM (OBSTACLE)			KEGE	EAGLE	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	ROCKIES		2	KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	ROCKIES		2	KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
EN ROUTE	V200					(US)
EN ROUTE	V220					(US)
EN ROUTE	V328					(US)
EN ROUTE	V361					(US)
EN ROUTE	V421					(US)
EN ROUTE	V591					(US)
EN ROUTE	V8					(US)
IAP	LDA/DME RWY 25		2	KEGE	EAGLE	CO (US)
IAP	RNAV (GPS)-D			KEGE	EAGLE	CO (US)
IAP	VOR/FMS RWY 25 (SPECIAL)			KEGE	EAGLE	CO (US)
IAP	VOR/DME OR GPS-A		1	K20V	KREMMLING	CO (US)
IAP	VOR/DME-C			KSBS	STEAMBOAT SPRINGS	CO (US)
OTHER	TAKE-OFF MINIMUMS			KEGE	EAGLE	CO (US)

QUALITY CHECKED

INFORMATION ONLY

OTHER	TAKE-OFF MINIMUMS	1	K20V	KREMMLING	CO (US)
STAR	POWDR		KDEN	DENVER	CO (US)
STAR	TOMSN		KDEN	DENVER	CO (US)

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

COMPULSORY REPORTING POINT: BOTH

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 10/22/2009

REASON FOR REVISION:
UPDATED FIX USE
DELETED HOLDING PAT 1.
UPDATED PAT 1 230K CONTROLLING OBST.
UPDATED PAT 2 230K CONTROLLING OBST.
UPDATED REMARKS, HOLDING RESTRICTIONS, AND PROCEDURES REQUIRING C-I-H BLOCKS.
CHANGED PAT 2 PRECIPITOUS TERRAIN ADDITION FROM 334 TO 333.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/19/2009.
UPDATED FIX USE - CHANGED KPUB DP NAME BRONCO TO PUEBLO.

DEVELOPED BY: **DATE:** 08/07/2009 **OFFICE:** AVN-101 **NAME:** EUGENE NEWTON (DAVID JENNER)

APPROVED BY: **DATE:** 09/17/2009 **OFFICE:** AVN-130 **NAME:** RICK WEBB

SIGNATURE:

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

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: PACES **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 390957.00N/1081643.61W **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	GRAND JUNCTION	JNC	VOR/DME	H	059.97	074.97	24.83	24.83		11500	17500
2	MEEKER	EKR	VOR/DME	H	182.00	197.00		56.49		13000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
EKR	VOR/DME	R-182	57	13000	17500

FIX RESTRICTIONS:
MRA V134-220-591 13000

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

REMARKS:
MEEKER (FAC 2) AND GRAND JUNCTION (FAC 1) USED TO ESTABLISH FIX COORDINATES
COORDS DETERMINED BY FAC 1 AND FAC 2 INTERSECT

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LINDZ	1, 2		KASE	ASPEN	CO (US)
DP	GRAND JUNCTION	1, 2		KGJT	GRAND JUNCTION	CO (US)
EN ROUTE	V134-220-591					(US)
IAP	RNAV (GPS) Y RWY 11			KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (RNP) Z RWY 11			KGJT	GRAND JUNCTION	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 02/09/2012

REASON FOR REVISION:
RAISED FAC 1 MRA FROM 11000 TO 11500
RAISED FAC 2 MRA FROM 11000 TO 13000
RAISED ESV MIN ALTITUDE FROM 11000 TO 13000
ADD MRA PER FC DTD 6/8/93

DEVELOPED BY: **DATE:** 09/14/2011 **OFFICE:** AJV-311 **NAME:** LORETTA ZUEST

APPROVED BY: **DATE:** 02/15/2012 **OFFICE:** AJV-311 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZDV
ATC FACILITY: GJT ATCT
OTHER: DEN TRACON

QUALITY CHECKED 4

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