

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ALAMOSA VORTAC

**STATE:** CO

**COUNTRY:** US

**ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 372056.97N/1054855.93W

**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	FAC FEET	MRA	MAA
1	ALAMOSA	ALS	VORTAC	H							45000

**FIX RESTRICTIONS:**

MCA V83 10400 SOUTHBOUND  
MCA V210 11200 WESTBOUND

**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	NW	ALS	VORTAC	322.00	142.00	R	1		10000	14000	9	10
2	SE	ALS	VORTAC	121.38	301.38	R	1-1 1/2		10700	17500	9	16
3	SE		WP	126.43	306.43	R		7	11600	14000	10	18
4	NW	ALS	VORTAC	321.11	141.11	R	1-1 1/2		10700	17500	9	16

**CONTROLLING OBSTRUCTIONS:**

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	371248.00N/1054830.00W	9416	4E
2	230	AAO	371225.00N/1054722.00W	9384	4E
2	310	AAO	371248.00N/1052136.00W	9439	4E
3	230	AAO	371248.00N/1054830.00W	9416	4E
3	310	AAO	371603.00N/1051854.00W	10597	4E
4	230	AAO	371248.00N/1054830.00W	9416	4E
4	310	AAO	370821.00N/1054929.00W	9666	4E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
3	310	180

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKE-OFF MINIMUMS	KALS	ALAMOSA	CO (US)
2	TAKE-OFF MINIMUMS	KMVI	MONTE VISTA	CO (US)
3	RNAV (GPS)-B	KMVI	MONTE VISTA	CO (US)
4	VOR/DME-B	KALS	ALAMOSA	CO (US)
4	VOR-A	KALS	ALAMOSA	CO (US)

**REMARKS:**

ASSIGNED FACILITY MAG VAR: 13E 1965  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PATTERN 3 310K OBSTACLE IN SECONDARY AREA. PRIMARY EQUIVALENT = 10420

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKE-OFF MINIMUMS		2	KALS	ALAMOSA	CO (US)
DP	ASPEN			KASE	ASPEN	CO (US)
DP	PIKES			KBKF	AURORA	CO (US)
DP	SPRINGS			KCOS	COLORADO SPRINGS	CO (US)
DP	PIKES			KAPA	DENVER	CO (US)
DP	PIKES			KBJC	DENVER	CO (US)
DP	PIKES			KDEN	DENVER	CO (US)
DP	PIKES			KFTG	DENVER	CO (US)
DP	PIKES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PIKES			KGXY	GREELEY	CO (US)
DP	TAKE-OFF MINIMUMS		2	KMVI	MONTE VISTA	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	ALBUQUERQUE			KABQ	ALBUQUERQUE	NM (US)
EN ROUTE	J102					(US)
EN ROUTE	J110					(US)
EN ROUTE	J13					(US)
EN ROUTE	J206					(US)
EN ROUTE	J44					(US)
EN ROUTE	V210					(US)
EN ROUTE	V368					(US)
EN ROUTE	V484					(US)
EN ROUTE	V83					(US)
IAP	ILS OR LOC RWY 2		1	KALS	ALAMOSA	CO (US)

IAP	RNAV (GPS) RWY 2		KALS	ALAMOSA	CO (US)
IAP	RNAV (GPS) RWY 20		KALS	ALAMOSA	CO (US)
IAP	VOR-A	4	KALS	ALAMOSA	CO (US)
IAP	VOR/DME-B	4	KALS	ALAMOSA	CO (US)
IAP	RNAV (GPS) RWY 20		KMVI	MONTE VISTA	CO (US)
IAP	RNAV (GPS)-B	3	KMVI	MONTE VISTA	CO (US)
IAP	VOR/DME-A	2	KMVI	MONTE VISTA	CO (US)
STAR	LARKS		KBKF	AURORA	CO (US)
STAR	DEBERRY		KCOS	COLORADO SPRINGS	CO (US)
STAR	LARKS		KAPA	DENVER	CO (US)
STAR	LARKS		KBJC	DENVER	CO (US)
STAR	LARKS		KDEN	DENVER	CO (US)
STAR	LARKS		KFTG	DENVER	CO (US)
STAR	LARKS		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LARKS		KGXY	GREELEY	CO (US)

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

**COMPULSORY REPORTING POINT:** LOW

**RECORD REVISION NUMBER:** 16

**DATE OF REVISION:** 09/14/2017

**REASON FOR REVISION:**

1. PATTERN 3 MINIMUM HOLDING ALTITUDE CHANGED FROM 10700 TO 11600 PER AIR TRAFFIC REQUEST.
2. HOLDING PATTERN #3 INBOUND COURSE CHANGED FROM 302.38 TO 306.43 PER MAGVAR CHANGE AT KMVI.
3. CLIMB-IN-HOLD OBSTACLE ADDED TO PATTERN #3.
4. KMVI GPS RWY 20 CANCELLED, RNAV (GPS) RWY 20 ADDED.
5. ADDED PATTERN 3 310K OBSTACLE IN SECONDARY AREA. PRIMARY EQUIVALENT REMARK.
6. ADDED PAT 3 PRECIPITOUS TERRAIN ADJUSTEMENT 310K: 180
7. INCREASED PAT 3 MAX TEMPLATE FROM 17 TO 18.

**DEVELOPED BY:**            **DATE:** 03/01/2017            **OFFICE:** AJV-5433            **NAME:** DAVID TEFFETELLER (FRANK MOORE)

**APPROVED BY:**            **DATE:**            **OFFICE:** AJV-5430            **NAME:** PATRICK MULQUEEN

**SIGNATURE:**

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