

# RADIO FIX AND HOLDING DATA RECORD

NAME: ALBUQUERQUE VORTAC STATE: NM COUNTRY: US ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 350237.66N/1064858.72W 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	FEET	MRA	MAA
1	ALBUQUERQUE	ABQ	VORTAC	VH							45000

## FIX RESTRICTIONS:

MCA V190 11500 NORTHEAST BOUND  
 MCA V12 10700 EASTBOUND  
 MCA V68 10000 SOUTHEAST BOUND  
 MCA V611 8200 NORTHEAST BOUND

## HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	ABQ	VORTAC	257.00	077.00	L	1		8000	29000	8	22
2	W		WP	259.00	079.00	L		7	8000	14000	9	11

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	350445.00N/1070833.00W	6503	4E
1	310	AAO	350259.50N/1071124.70W	6900	6C
2	230	AAO	350415.00N/1070848.00W	6644	
2	310	AAO	350259.50N/1071124.70W	6900	6C

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID INBOUND/OUTBOUND TRAFFIC  
 PAT 2 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LARGO	KABQ	ALBUQUERQUE	NM (US)
1	ALBUQUERQUE	KABQ	ALBUQUERQUE	NM (US)
1	TAKEOFF MINIMUMS	KABQ	ALBUQUERQUE	NM (US)
2	RNAV (GPS) Y RWY 3	KABQ	ALBUQUERQUE	NM (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAG VAR: 13E 1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FTHLS (RNAV)			KCHD	CHANDLER	AZ (US)
DP	LALUZ (RNAV)			KCHD	CHANDLER	AZ (US)
DP	FTHLS (RNAV)			KGEU	GLENDALE	AZ (US)
DP	LALUZ (RNAV)			KGEU	GLENDALE	AZ (US)
DP	FTHLS (RNAV)			KGYR	GOODYEAR	AZ (US)
DP	LALUZ (RNAV)			KGYR	GOODYEAR	AZ (US)
DP	FTHLS (RNAV)			KDVT	PHOENIX	AZ (US)
DP	LALUZ (RNAV)			KDVT	PHOENIX	AZ (US)
DP	FTHLS (RNAV)			KIWA	PHOENIX	AZ (US)
DP	LALUZ (RNAV)			KIWA	PHOENIX	AZ (US)
DP	BALDY			KPHX	PHOENIX	AZ (US)
DP	BROAK (RNAV)			KPHX	PHOENIX	AZ (US)
DP	FORPE (RNAV)			KPHX	PHOENIX	AZ (US)
DP	ST. JOHNS			KPHX	PHOENIX	AZ (US)
DP	FTHLS (RNAV)			KSDL	SCOTTSDALE	AZ (US)
DP	LALUZ (RNAV)			KSDL	SCOTTSDALE	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	ADYOS (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	ALBUQUERQUE		1	KABQ	ALBUQUERQUE	NM (US)
DP	BOSQE (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	LARGO		1	KABQ	ALBUQUERQUE	NM (US)
DP	RDRNR (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	TAKEOFF MINIMUMS		1	KABQ	ALBUQUERQUE	NM (US)
DP	ZIASF			KSAF	SANTA FE	NM (US)
EN ROUTE	J13					(US)
EN ROUTE	J15					(US)
EN ROUTE	J18					(US)

EN ROUTE	J57			(US)	
EN ROUTE	J6			(US)	
EN ROUTE	J72			(US)	
EN ROUTE	J78			(US)	
EN ROUTE	V12			(US)	
EN ROUTE	V187			(US)	
EN ROUTE	V190			(US)	
EN ROUTE	V234			(US)	
EN ROUTE	V263			(US)	
EN ROUTE	V291			(US)	
EN ROUTE	V60			(US)	
EN ROUTE	V611			(US)	
EN ROUTE	V68			(US)	
IAP	HI TACAN RWY 8		KABQ	ALBUQUERQUE	NM (US)
IAP	HI-ILS OR LOC RWY 8		KABQ	ALBUQUERQUE	NM (US)
IAP	ILS OR LOC RWY 3	1	KABQ	ALBUQUERQUE	NM (US)
IAP	ILS OR LOC RWY 8	1	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) Y RWY 3	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) Y RWY 8		KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Y RWY 21	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Y RWY 26	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 21	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 26	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 3	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 8	2	KABQ	ALBUQUERQUE	NM (US)
IAP	VOR RWY 8	1	KABQ	ALBUQUERQUE	NM (US)
IAP	ILS OR LOC RWY 22		KAEG	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) RWY 22		KAEG	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) RWY 4		KAEG	ALBUQUERQUE	NM (US)
STAR	CURLY		KABQ	ALBUQUERQUE	NM (US)
STAR	FRIHO		KABQ	ALBUQUERQUE	NM (US)
STAR	LAVAN		KABQ	ALBUQUERQUE	NM (US)
STAR	MIERA		KABQ	ALBUQUERQUE	NM (US)
STAR	CURLY		KAEG	ALBUQUERQUE	NM (US)
STAR	FRIHO		KAEG	ALBUQUERQUE	NM (US)
STAR	LAVAN		KAEG	ALBUQUERQUE	NM (US)
STAR	MIERA		KAEG	ALBUQUERQUE	NM (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 23

**DATE OF REVISION:** 09/05/2024

**REASON FOR REVISION:**

1. CHANGED FIX MAKE-UP ABQ VORTAC CLASS FROM "H" TO "VH".
2. ADDED FIX RESTRICTION "MCA V611 8200 NORTHEAST BOUND".
3. REMOVED UPN HOLDING PATTERN, OBSTACLES, AND HOLDING RESTRICTION NOTES.
4. REMOVED HOLDING PATTERN 2 REMARKS "CONTROLLING OBSTRUCTIONS IPDS PROVIDED ACCURACY".
5. UPDATED FIX USE BOSQE DP KABQ USE TITLE FORM "BOSQE" TO "BOSQE (RNAV)".
6. REMOVED FIX USE FOR KABQ "GRZZZ (RNAV) DP", "JETOK (RNAV) DP ", AND "KRKEE (RNAV) STAR".
7. CHANGED REQUIRED CHARTING "CONTROLLER" TO "CONTROLLER LOW AND CONTROLLER HIGH".
8. ADDED "HOLDING RETSRCTIONS: HOLDING LIMITED TO ESTABLISHED PATTERNS".

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A422

**NAME:** DANIEL WESTON

**APPROVED BY:**

**DATE:** 09/05/2024

**OFFICE:** AJV-A422

**NAME:** RAKE MCGRAW

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: FRIHO

STATE: NM

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 352617.00N/1063858.33W

TYPE: WP, 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	ALBUQUERQUE	ABQ	VORTAC	VH	006.09	019.09	25.00	25.00		9500	45000

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	N	ABQ	VORTAC	006.09	186.09	R		6	15000	23000	16	20

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	354745.00N/1063312.00W	10317	6A

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J13	1				(US)
EN ROUTE	V263	1				(US)
IAP	RNAV (GPS) RWY 22			KAEG	ALBUQUERQUE	NM (US)
STAR	FRIHO	1	1	KABQ	ALBUQUERQUE	NM (US)
STAR	FRIHO	1	1	KAEG	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. UPDATED FIX MAKE-UP FACILITIES ABQ VORTAC CLASS FROM "V" TO "VH".
2. CHANGED FIX MAKE-UP ALBUQUERQUE VORTAC MRA FROM "12000" TO "9500".
3. UPDATED CONTROLLING OBSTRUCTIONS PAT 1 OBSTRUCTIONS FROM "TERRAIN+200" TO "AAO".
4. REMOVED REMARK "ALBUQUERQUE (FAC 1) USED TO ESTABLISH FIX COORDINATES".
5. UPDATED FIX USE FOR EN ROUTE V263, J13, AND FRIHO STAR KABQ TO FAC 1.
6. ADDED FIX USE "STAR, FRIHO, FAC 1, PAT 1, KAEG, ALBUQUERQUE NM (US)".
7. CHANGED REQUIRED CHARTING "CONTROLLER" TO "CONTROLLER LOW AND CONTROLLER HIGH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE: