

# RADIO FIX AND HOLDING DATA RECORD

NAME: BICAR

STATE: NE

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 411024.68N/1033616.61W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
EN ROUTE  
IAP

USE TITLE

Q88  
RNAV (GPS) RWY 28

FAC

PAT

AIRPORT IDENT CITY

KIBM

KIMBALL

STATE

(US)  
NE (US)

REQUIRED CHARTING: IAP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/25/2019

REASON FOR REVISION:

ADDED AIRSPACE DOCKET 17-ANM-33.

UPDATED FIX USE; ADDED Q88.

ADDED ENROUTE HIGH AND CONTROLLER HIGH TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

*Digitally signed by*

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

**ALLAN WILL**

Feb 08, 2019

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZDV

ATC FACILITY:

OTHER:

QUALITY  
30  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: CHUWY

STATE: NE

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 413042.77N/1025239.47W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:**

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT CITY

STATE

EN ROUTE

Q88

(US)

EN ROUTE

Q92

(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/25/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

*Digitally signed by*

SIGNATURE:

**ALLAN WILL**

Feb 08, 2019

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZDV

ATC FACILITY:

OTHER:

QUALITY  
30  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DKOTA

STATE: SD

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 452217.00N/0973727.00W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
EN ROUTE  
EN ROUTE

USE TITLE  
Q138  
Q88

FAC PAT AIRPORT IDENT CITY

STATE  
(US)  
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/25/2019

REASON FOR REVISION:

CHANGED AIRSPACE DOCKET 14-AGL-06 TO 17-ANM-33.  
ADDED Q88 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-5420  
*Digitally signed by*

NAME: JULIE MORGAN

SIGNATURE: **ALLAN WILL**

Feb 08, 2019

DISTRIBUTION:

NFDC  
FPO: CEN  
ARTCC: ZMP  
ATC FACILITY: MSP APP CON  
OTHER:

QUALITY  
30  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: GUDDY

STATE: SD

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 432158.60N/1003718.90W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE  
EN ROUTE

USE TITLE  
Q88

FAC PAT AIRPORT IDENT CITY

STATE  
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/25/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Feb 08, 2019

DISTRIBUTION:

NFDC  
FPO: CEN  
ARTCC: ZDV  
ATC FACILITY:  
OTHER:

QUALITY  
30  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JOYCC

STATE: SD

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 441351.72N/0992542.73W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE  
EN ROUTE

USE TITLE  
Q88

FAC PAT AIRPORT IDENT CITY

STATE  
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/25/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

*Digitally signed by*

SIGNATURE:

**ALLAN WILL**

Feb 08, 2019

DISTRIBUTION:

NFDC  
FPO: CEN  
ARTCC: ZMP  
ATC FACILITY:  
OTHER:

QUALITY  
30  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KEEFF

STATE: NE

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 422647.41N/1014550.67W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

EN ROUTE

USE TITLE

Q88

FAC

PAT

AIRPORT IDENT CITY

STATE

(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/25/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Feb 08, 2019

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZDV

ATC FACILITY:

OTHER:

QUALITY  
30  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SINRY

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 385304.80N/1083024.00W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE  
EN ROUTE

USE TITLE  
Q88

FAC PAT AIRPORT IDENT CITY

STATE  
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/25/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

*Digitally signed by* OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE: **ALLAN WILL**

Feb 08, 2019

DISTRIBUTION:

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

QUALITY  
30  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** VIVID **STATE:** SD **COUNTRY:** US **ICAO REGION CODE:** K3  
**LATITUDE/LONGITUDE:** 435137.63N/0995915.44W **TYPE:** DME  
**AIRSPACE DOCKET:** 17-ANM-33 **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	SIoux FALLS	FSD	VORTAC	H	267.29	276.29	140.00	140.00		18000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FSD	VORTAC	R-267	140	18000	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	W	FSD	VORTAC	267.00	087.00	L	1 1/2	24000 41000	21 30

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ZMP REQUESTED TO ELIMINATE COORDINATION.

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

FIX POSTING AREA IN ZMP ARTCC.  
 ENROUTE HIGH ALTITUDE HOLDING (CHART).  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J82	1				(US)
EN ROUTE	Q88					(US)

**REQUIRED CHARTING:** EN ROUTE HIGH, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 04/25/2019

**REASON FOR REVISION:**

ADDED AIRSPACE DOCKET 17-ANM-33.  
 ADDED FAC 1 (FSD) DIST FROM FAC IN FIX MAKE-UP FACILITIES.  
 ADDED FSD VTAC ESV.  
 CHANGED HOLDING PAT 1 LEG LENGTH TIME FROM 1-1 1/2 TO 1 1/2.  
 ADDED HOLDING PAT 1 MIN TEMPLATE 21.  
 ADDED Q88 TO FIX USE.  
 CHANGED FPO DISTRIBUTION FROM CHI TO CEN.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-5420	<b>NAME:</b> BARRY SMITH
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5420	<b>NAME:</b> JULIE MORGAN
	<i>Digitally signed by</i>		
	<b>SIGNATURE:</b> <b>ALLAN WILL</b>		
	Feb 08, 2019		

**DISTRIBUTION:**  
 NFDC  
 FPO: CEN  
 ARTCC: ZMP  
 ATC FACILITY:  
 OTHER:





# RADIO FIX AND HOLDING DATA RECORD

NAME: YAMPA

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 403800.76N/1044401.92W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:**

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT CITY

STATE

EN ROUTE

Q150

(US)

EN ROUTE

Q88

(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/25/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZDV

ATC FACILITY:

OTHER:

Feb 08, 2019

QUALITY  
30  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ZAKRY

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392247.16N/1071215.76W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-33

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE  
EN ROUTE  
EN ROUTE  
SPECIAL DP

USE TITLE  
Q114  
Q88  
GLENO (RNP)

FAC PAT AIRPORT IDENT CITY  
KASE ASPEN

STATE  
(US)  
(US)  
CO (US)

REQUIRED CHARTING: EN ROUTE HIGH, SPECIAL DP, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/25/2019

## REASON FOR REVISION:

ADDED AIRSPACE DOCKET 17-ANM-33.  
DELETED FROM FIX RESTRICTIONS; RESTRICTED USE - NET JETS.  
UPDATED FIX USE; ADDED Q88 AND Q114.  
ADDED ENROUTE HIGH, CONTROLLER HIGH AND SPECIAL DP TO REQUIRED CHARTING.  
CHANGED FPO DISTRIBUTION FROM SEA TO WST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: BARRY SMITH

APPROVED BY:

DATE:

*Digitally signed by* OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

**ALLAN WILL**

Feb 08, 2019

DISTRIBUTION:

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

QUALITY  
30  
CHECKED