

RADIO FIX AND HOLDING DATA RECORD

NAME: COMOS

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 443714.46N/0944427.56W

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 NM	FAC FEET	MRA	MAA
1	REDWOOD FALLS	RWF	VOR/DME	VH	053.88	060.88	19.00	19.00		2800	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V148	1				(US)
IAP	RNAV (GPS) RWY 31			KLJF	LITCHFIELD	MN (US)
IAP	RNAV (GPS) RWY 30			KRWF	REDWOOD FALLS	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

TYPE: REMOVED INT

FIX MAKE-UP FACILITIES: REMOVED FAC 2 DARWIN (DWN) VORTAC

FIX USE: AMENDED V148, REMOVED FAC 2 DARWIN (DWN) VORTAC

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GALE SHELTON

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Mar 14, 2024

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FITAS

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450354.00N/0951010.15W

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	REDWOOD FALLS	RWF	VOR/DME	VH	350.20	357.20	35.91	35.91		3500	17500

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	N	RWF	VOR/DME	350.20	170.20	R	1		3500	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-001375)	450123.00N/0951557.00W	1570	5D

HOLDING RESTRICTIONS:

HOLD PAT 1: ATC REQUEST.

REMARKS:

REDWOOD FALLS (FAC 1) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T462					(US)
EN ROUTE	V175	1				(US)
IAP	RNAV (GPS) RWY 15			KHCD	HUTCHINSON	MN (US)
IAP	RNAV (GPS) RWY 13			KLJF	LITCHFIELD	MN (US)
IAP	RNAV (GPS) RWY 32			KMVE	MONTEVIDEO	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: REMOVED DARWIN (DWN) VORTAC, ADDED MONTEVIDEO (MVE) VOR/DME AT ATC REQUEST.
EXPANDED SERVICE VOLUME (ESV): ADDED MVE VOR/DME R-071 DISTANCE 24 MIN ALTITUDE 13000 MAXIMUM ALTITUDE 17500
HOLDING: UPDATED PAT 1 RAD/CRS/BRG-CRS INBOUND FROM 350.21/170.21 TO 350.20/17.20
REMARKS: ADDED REDWOOD FALLS (FAC 1) AND MONTEVIDEO (FAC 2) USED TO ESTABLISH FIX COORDINATES.

03/05/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/27/23.

1. TYPE: REMOVED "INT"
2. FIX MAKE-UP FACILITIES: REMOVED (FAC 2) MONTEVIDEO (MVE) VOR/DME
3. EXPANDED SERVICE VOLUME (ESV): REMOVED (MVE) VOR/DME R-071 24 13000 17500
4. REMARKS: REMOVED REDWOOD FALLS (FAC 1) AND MONTEVIDEO (FAC 2) USED TO ESTABLISH FIX COORDINATES
5. FIX USE: REMOVED FAC 2 FROM EN ROUTE V175

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GALE SHELTON

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Mar 14, 2024

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FOXIE

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450534.87N/0943007.63W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	DARWIN	DWN	VORTAC	L	272.25	279.25	2.08			1400	17500

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

NAD 83 DATA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP				KLJF	LITCHFIELD	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 03/03/1993

REASON FOR REVISION:

FORM UPDATED, ASSOCIATED SIAP REVISED.

*CONCURRENT WITH K43F VOR/DME RNAV RWY 31, AMDT 1.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE:

Digitally signed by

DISTRIBUTION:

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

ALLAN WILL

Mar 14, 2024

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SODIE

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 452207.48N/0935217.11W

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	MRA	MAA
1	GOPHER	GEP	VORTAC	H	296.55	302.55	25.00	25.00	3400	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW		WP	297.00	117.00	R	4	3400	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (27-000477)	452245.00N/0935345.00W	1620	1C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V2	1				(US)
IAP	RNAV (GPS) RWY 36		1	KCFE	BUFFALO	MN (US)
IAP	RNAV (GPS) RWY 9			KANE	MINNEAPOLIS	MN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

TYPE: REMOVED INT

FIX MAKE-UP FACILITIES: (FAC 2) REMOVED DARWIN (DWN) VORTAC

HOLDING: (PAT 1) UPDATED IDENT "GEP" TO TYPE "WP"

REMARKS: REMOVED "GOPHER (FAC 1) AND DARWIN (FAC 2) USED TO ESTABLISH FIX COORDINATES"

FIX USE: REMOVED FAC 2 FROM V2

REQUIRED CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GALE SHELTON

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Mar 14, 2024

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TLBAT

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 453431.10N/0942027.16W

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	ALEXANDRIA	AXN	VOR/DME	VL	114.22	121.22	43.95	43.95		3400	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
AXN	VOR/DME	R-114	44	3400	6400

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V2	1				(US)
IAP	RNAV (GPS) RWY 32			D39	SAUK CENTRE	MN (US)
IAP	RNAV (GPS) RWY 23			KSTC	ST CLOUD	MN (US)
IAP	RNAV (GPS) RWY 31			KSTC	ST CLOUD	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

TYPE: REMOVED INT

FIX MAKE-UP FACILITIES: REMOVED (FAC 2) DARWIN (DWN) VORTAC, UPDATED (FAC 1) ALEXANDRIA (AXN) VOR/DME CLASS FROM "L" TO "VL"

EXPANDED SERVICE VOLUME (ESV): UPDATED AXN VOR/DME MAX ALTITUDE FROM 17500 TO 6400

HOLDING PATTERN ASSOCIATION UNP, 05/16/2024 AND ASSOCIATED REMARKS DELETED

REMARKS: REMOVED ALEXANDRIA (FAC 1) USED TO ESTABLISH COORDINATES.

REQUIRED CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GALE SHELTON

APPROVED BY:

DATE: 05/16/2024

OFFICE: AVJ-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Mar 14, 2024

QUALITY
32
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