

RADIO FIX AND HOLDING DATA RECORD

NAME: AASUN

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445427.64N/0931518.16W

TYPE: WP, RADAR, 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	MINNEAPOLIS	I-PJL	LOC/DME		301.33	301.33	2.85	3.12		1320	5300

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DME LAT/LONG: 445303.67N/0931148.87W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12L	1		KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 12L			KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 01/05/2017

REASON FOR REVISION:

1. CHANGED FAC 1 FROM A LOC TO LOC/DME.
2. UPDATED DME COORDINATES IN REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/17/2016

OFFICE: AJV-5421

NAME: JAMES ROGERS

APPROVED BY:

DATE: 11/23/2016

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: GOPHER VORTAC

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450844.47N/0932223.45W

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	GOPHER	GEP	VORTAC	VH						45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

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	GEP	VORTAC	297.00	117.00	L	1	3000 14000	4 10
2	W	GEP	VORTAC	264.00	084.00	R	1	2700 14000	4 12
3	NW		WP	297.00	117.00	L	4	3000 14000	5 11
4	N		WP	346.00	166.00	L	4	3100 14000	5 11
5	W		WP	265.00	085.00	R	4	2700 14000	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000032)	451043.00N/0932100.00W	1530	4D
1	265	TOWER (27-000032)	451043.00N/0932100.00W	1530	4D
2	200	TOWER (27-000032)	451043.00N/0932100.00W	1530	4D
2	310	TOWER (27-000032)	451043.00N/0932100.00W	1530	4D
3	200	TOWER (27-000032)	451043.00N/0932100.00W	1530	4D
3	265	TOWER (27-000032)	451043.00N/0932100.00W	1530	4D
4	200	TOWER (27-000032)	451043.00N/0932100.00W	1530	4D
4	310	TOWER (27-000990)	452011.92N/0932331.17W	2048	1A
5	200	TOWER (27-000032)	451043.00N/0932100.00W	1530	4D
5	310	TOWER (27-000499)	450344.83N/0930822.61W	2438	1D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 3 ATC REQUEST
PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 27	KANE	MINNEAPOLIS	MN (US)
5	RNAV (GPS) RWY 27	KANE	MINNEAPOLIS	MN (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
HOLDING PATTERN 1 AND 4 EVALUATED FOR MILITARY AIRCRAFT AT KMSP
ASSIGNED FACILITY MAGVAR: E6 1965
PAT 5 310KT CONTROLLING OBSTACLE 1604 FT MSL PRIMARY EQUIVALENT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	COPTER RNAV (GPS) 18		4	25MY	MINNEAPOLIS	MN (US)
SPECIAL IAP	COPTER RNAV (GPS) 18		4	MY65	MINNEAPOLIS	MN (US)
SPECIAL IAP	COPTER RNAV (GPS) 12		4	7MN1	ST PAUL	MN (US)
DP	MINNEAPOLIS			KMSP	MINNEAPOLIS	MN (US)
EN ROUTE	J114					(US)
EN ROUTE	J21					(US)
EN ROUTE	J25					(US)
EN ROUTE	J36					(US)
EN ROUTE	J68					(US)
EN ROUTE	J70					(US)
EN ROUTE	T330					(US)
EN ROUTE	T383					(US)
EN ROUTE	V148					(US)
EN ROUTE	V161					(US)
EN ROUTE	V2					(US)
EN ROUTE	V218					(US)
EN ROUTE	V413					(US)
EN ROUTE	V505					(US)
EN ROUTE	V510					(US)
EN ROUTE	V78					(US)
EN ROUTE	V82					(US)
EN ROUTE	V97					(US)
IAP	VOR-A			KCFE	BUFFALO	MN (US)
IAP	RNAV (GPS) RWY 34			KCBG	CAMBRIDGE	MN (US)
IAP	ILS OR LOC RWY 27		2	KANE	MINNEAPOLIS	MN (US)

IAP	RNAV (GPS) RWY 18		KANE	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 27	5	KANE	MINNEAPOLIS	MN (US)
IAP	VOR RWY 9	2	KANE	MINNEAPOLIS	MN (US)
IAP	COPTER ILS OR LOC RWY 10R		KFCM	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 10R		KFCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 10L		KFCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 10R		KFCM	MINNEAPOLIS	MN (US)
IAP	VOR RWY 10R		KFCM	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 30		KLVN	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 14	4	KMIC	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 30R	1	KMSP	MINNEAPOLIS	MN (US)
IAP	LOC RWY 17		KMSP	MINNEAPOLIS	MN (US)
IAP	LOC RWY 22		KMSP	MINNEAPOLIS	MN (US)
IAP	LOC RWY 4	1	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 4	3	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 30R	3	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 35	3	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (RNP) Y RWY 30R	3	KMSP	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 9		KRGK	RED WING	MN (US)
IAP	LOC RWY 34		KSGS	SOUTH ST PAUL	MN (US)
IAP	ILS OR LOC RWY 31		KSTC	ST CLOUD	MN (US)
IAP	VOR RWY 31		KSTC	ST CLOUD	MN (US)
IAP	ILS OR LOC RWY 14		KSTP	ST PAUL	MN (US)
IAP	ILS OR LOC RWY 32		KSTP	ST PAUL	MN (US)
IAP	RNAV (GPS) RWY 14		KSTP	ST PAUL	MN (US)
STAR	AGUDE		KCFE	BUFFALO	MN (US)
STAR	AGUDE		KFBL	FARIBAULT	MN (US)
STAR	AGUDE		KGYL	GLENCOE	MN (US)
STAR	AGUDE		KMGG	MAPLE LAKE	MN (US)
STAR	AGUDE		KANE	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)		KANE	MINNEAPOLIS	MN (US)
STAR	GOPHER		KANE	MINNEAPOLIS	MN (US)
STAR	TWOLF		KANE	MINNEAPOLIS	MN (US)
STAR	AGUDE		KFCM	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)		KFCM	MINNEAPOLIS	MN (US)
STAR	GOPHER		KFCM	MINNEAPOLIS	MN (US)
STAR	TWOLF		KFCM	MINNEAPOLIS	MN (US)
STAR	AGUDE		KLVN	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)		KLVN	MINNEAPOLIS	MN (US)
STAR	GOPHER		KLVN	MINNEAPOLIS	MN (US)
STAR	TWOLF		KLVN	MINNEAPOLIS	MN (US)
STAR	AGUDE		KMIC	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)		KMIC	MINNEAPOLIS	MN (US)
STAR	GOPHER		KMIC	MINNEAPOLIS	MN (US)
STAR	TWOLF		KMIC	MINNEAPOLIS	MN (US)
STAR	BAINY (RNAV)		KMSP	MINNEAPOLIS	MN (US)
STAR	GOPHER		KMSP	MINNEAPOLIS	MN (US)
STAR	AGUDE		KSGS	SOUTH ST PAUL	MN (US)
STAR	AGUDE		21D	ST PAUL	MN (US)
STAR	AGUDE		KSTP	ST PAUL	MN (US)
STAR	ENCEE (RNAV)		KSTP	ST PAUL	MN (US)
STAR	GOPHER		KSTP	ST PAUL	MN (US)
STAR	TWOLF		KSTP	ST PAUL	MN (US)
STAR	AGUDE		KRNH	NEW RICHMOND	WI (US)
STAR	TWOLF		KRNH	NEW RICHMOND	WI (US)
STAR	AGUDE		KOEO	OSCEOLA	WI (US)
STAR	TWOLF		KOEO	OSCEOLA	WI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 34

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

1. FIX USE: REMOVED DP COULT, KBREW AND WLSTN AT KANE, KFCM, KMSP AND KSTP.
2. FIX USE: REMOVED DP LEINY (RNAV) AT KMSP.
3. FIX USE: REMOVED STAR EAU CLAIRE AT KMSP.
4. FIX USE: ADDED DP MINNEAPOLIS AT KMSP.
5. FIX USE: REMOVED IAP ILS RWY 35 (CAT II/III), ILS RWY 35 (SA CAT I), ILS OR LOC RWY 12L (ALT MA), ILS OR LOC RWY 30L, ILS RWY 12L (CAT II) (ALT MA), ILS RWY 12L (CAT III) (ALT MA), ILS RWY 12L (SA CAT I) (ALT MA), ILS RWY 30L (CAT II), ILS V RWY 35 (CONVERGING) AND ILS Z OR LOC RWY 35 AT KMSP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: EMMANUEL GONZALES

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: KANAC

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445201.91N/0925553.14W

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	GOPHER	GEP	VORTAC	VH	125.47	131.47	25.16	25.16		3000	17500
2	FARMINGTON	FGT	VORTAC	VH	031.00	037.00	17.77	17.77		3000	17500

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	SE	GEP	VORTAC	125.47	305.47	R	1		3000	14000	5	14
2	E		WP	095.59	275.59	R		7	3000	14000	5	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	445454.00N/0925648.00W	1300	4B
1	265	AAO	444618.00N/0923533.00W	1381	4B
1	310	TOWER (55-001228)	444501.00N/0923021.00W	1550	5E
2	200	AAO	445454.00N/0925648.00W	1300	4B
2	265	TOWER (55-000156)	445630.32N/0923935.00W	1466	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 12L (CAT II)	KMSP	MINNEAPOLIS	MN (US)
1	ILS OR LOC RWY 12L	KMSP	MINNEAPOLIS	MN (US)
1	ILS RWY 12L (SA CAT I)	KMSP	MINNEAPOLIS	MN (US)
1	ILS RWY 12L (CAT III)	KMSP	MINNEAPOLIS	MN (US)

REMARKS:

GOPHER (FAC 1) AND FARMINGTON (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 HOLDING PATTERNS EVALUATED FOR MILITARY AIRCRAFT AT KMSP.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V2	1, 2				(US)
EN ROUTE	V97	1, 2				(US)
IAP	ILS OR LOC RWY 12L	1, 2	1	KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT II)	1, 2	1	KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT III)	1, 2	1	KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (SA CAT I)	1, 2	1	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 12L		2	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (RNP) Y RWY 12L		2	KMSP	MINNEAPOLIS	MN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

1. REMOVED FIX MAKE-UP MINNEAPOLIS (MSP) VOR/DME.
2. REMOVED HOLDING PATTERN 2 AND ASSOCIATED CONTROLLING OBSTACLES.
3. HOLDING PATTERN 1: UPDATED MAX TEMPLETE FROM 11 TO 14; 200K CONTROLLING OBSTRUCTION FROM 1339 AAO (4E) TO 1300 AAO (4B); 265K OBSTRUCTION FROM 1395 AAO TO 1381 AAO; ADDED 310K OBSTRUCTION.
4. UPDATED HOLDING PATTERN 3 LEG LENGTH FROM 4 TO 7; MAX TEMPLETE FROM 11 TO 14; 200K CONTROLLING OBSTRUCTION FROM 1339 AAO (3E) TO 1300 AAO (4B).
5. ADDED PROCEDURES REQUIRING CLIMB-IN-HOLD: ILS RWY 12L (CAT II), ILS RWY 12L (CAT III), ILS OR LOC RWY 12L; AND ILS RWY 12L (SA CAT I).
6. REMOVED REMARK: PAT 3 200K PATTERN IPDS AC USED.
7. FIX USE: REMOVED ILS OR LOC 12 L (ALT MA), ILS OR LOC RWY 30R, ILS OR LOC RWY 30R (ALT MA), ILS RWY 12L (CAT II) (ALT MA), ILS RWY 12L (CAT III) (ALT MA), ILS RWY 12L (SA CAT I) (ALT MA); UPDATED ILS OR LOC RWY 12L, ILS RWY 12L (CAT II), ILS RWY 12L (CAT III), AND ILS RWY 12L (SA CAT I) FACS FROM 2,3 TO 1,2; FROM ENROUTE V2-97 TO V2 AND V97.
8. UPDATED REQUIRED CHARTING: CONTROLLER TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY: **DATE:** 02/12/2026 **OFFICE:** AJV-A430 **NAME:** CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD**NAME:** KAYQU**STATE:** MN**COUNTRY:** US**ICAO REGION CODE:** K3**LATITUDE/LONGITUDE:** 451047.83N/0932909.59W**TYPE:** WP**AIRSPACE DOCKET:****FIX TYPE OF ACTION:** NO CHANGE**HOLDING:****HOLDING TYPE OF ACTION:** NO CHANGE**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12L			KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT II)			KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT III)			KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (SA CAT I)			KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 12L			KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (RNP) Y RWY 12L			KMSP	MINNEAPOLIS	MN (US)
STAR	BAINY (RNAV)			KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: STAR, IAP**COMPULSORY REPORTING POINT:** NO**RECORD REVISION NUMBER:** 2**DATE OF REVISION:** 03/19/2026**REASON FOR REVISION:**

1. ADDED FIX USE: KMSP ILS RWY 12L (CAT II), ILS RWY 12L (CAT III), AND ILS RWY 12L (SA CAT I).

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

NAME: BARBARA GORMAN**APPROVED BY:****DATE:** 02/12/2026**OFFICE:** AJV-A430**NAME:** CASIMIR TABAKA**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: SHUUT

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450414.50N/0932918.95W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12L			KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT II)			KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT III)			KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (SA CAT I)			KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 12L			KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (RNP) Y RWY 12L			KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

1. FIX USE: ADDED KMSP ILS RWY 12L (CAT II), ILS RWY 12L (CAT III), AND ILS RWY 12L (SA CAT I); REMOVED STAR BAINY (RNAV).
2. REMOVED REMARK: PRECISE FIX COORDINATES: 450414.500N/0932918.950W.
3. REQUIRED CHARTING: REMOVED STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WASHY

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445700.97N/0932113.51W

TYPE: WP, RADAR, 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	MINNEAPOLIS	I-PJL	LOC/DME		301.33	301.33	7.77	8.04	48868	3000	5300

HOLDING:
HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:
FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12L	1		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT II)	1		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT III)	1		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (SA CAT I)	1		KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 12L			KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (RNP) Y RWY 12L			KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

1. MOVED FIX 2.19 FEET NORTHEAST.
2. REMOVED REMARKS: MINNEAPOLIS (FAC 1) USED TO ESTABLISH FIX COORDINATES; LOCATION IAW 8260.54A FORMULA 2-16B; DME LAT/LONG: 445303.67N/0931148.87W; PRECISE FIX COORDINATES: 445700.962N/0932113.538W.

INITIATED BY:
DATE:
ORGANIZATION:
NAME:
OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:
DATE: 02/12/2026

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE: