

# RADIO FIX AND HOLDING DATA RECORD

NAME: ALGIN

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450016.07N/0932847.59W

TYPE: WP, RADAR, DME

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	MINNEAPOLIS	I-PJL	LOC/DME		301.33	301.33	14.05	14.32	5000	6000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-PJL	LOC/DME	R-301	15	5000	6000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DME LAT/LONG: 445303.67N/0931148.87W.  
ESTABLISHED ESV IS FOR LOC/GS/DME.

## 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: 14

DATE OF REVISION: 03/19/2026

## REASON FOR REVISION:

REMOVED "MINNEAPOLIS (FAC 1) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.  
REMOVED "LOCATION IAW 8260.54A FORMULA 2-16B" AND "PRECISE FIX COORDINATES: 450016.072N/0932847.586W" FROM REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY  
10  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: CCJAY

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450330.66N/0933622.44W

TYPE: WP, RADAR, DME

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	MRA	MAA
1	MINNEAPOLIS	I-PJL	LOC/DME		301.33	301.33	20.33	20.60	5000	8000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-PJL	LOC/DME	R-301	21	5000	8000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DME LAT/LONG: 445303.67N/0931148.87W.  
ESTABLISHED ESV IS FOR LOC/GS/DME.

## 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: 5

DATE OF REVISION: 03/19/2026

## REASON FOR REVISION:

REMOVED "MINNEAPOLIS (FAC 1) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.  
REMOVED "LOCATION IAW 8260.54A FORMULA 2-16B" AND "PRECISE FIX COORDINATES: 450330.658N/0933622.444W" FROM REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:



# RADIO FIX AND HOLDING DATA RECORD

NAME: HAMML

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445838.58N/0932500.46W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## 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	10.91	11.18		4000	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	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: 5

DATE OF REVISION: 03/19/2026

## REASON FOR REVISION:

REMOVED "MINNEAPOLIS (FAC 1) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.

REMOVED "LOCATION IAW 8260.54A FORMULA 2-16B" AND "PRECISE FIX COORDINATES: 445838.582N/0932500.460W" FROM REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:



# RADIO FIX AND HOLDING DATA RECORD

NAME: UBTYA

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450153.43N/0933234.92W

TYPE: WP, RADAR, DME

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	MINNEAPOLIS	I-PJL	LOC/DME		301.33	301.33	17.19	17.46		5000	7000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-PJL	LOC/DME	R-301	18	5000	7000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DME LAT/LONG: 445303.67N/0931148.87W  
ESTABLISHED ESV FOR LOC/GS/DME

## 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: 5

DATE OF REVISION: 03/19/2026

## REASON FOR REVISION:

REMOVED "MINNEAPOLIS (FAC 1) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.  
REMOVED "LOCATION IAW 8260.54A FORMULA 2-16B" AND "PRECISE FIX COORDINATES: 450153.431N/0933234.920W" FROM REMARKS.  
ADDED FAC 1 TO IAPS ILS OR LOC RWY 12L, ILS RWY 12 (CAT II), ILS RWY 12L (CAT III) AND ILS RWY 12L (SA CAT I) FOR KMSP IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY  
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