

RADIO FIX AND HOLDING DATA RECORD

NAME: AVINE

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 475851.28N/0964957.17W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	312.78	132.78	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	475815.00N/0964427.00W	1067	4B

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KCKN	CROOKSTON	MN (US)
IAP	RNAV (GPS) RWY 31		1	KCKN	CROOKSTON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

REMOVED KCKN R13 FROM FIX MAKE-UP FACILITIES.
CHANGED PAT 1 RAD/CRS/BRG FROM "307.79" TO "312.79", & CRS INBOUND FROM "127.79" TO "132.79"- NEW MAGVAR
CHANGED HOLDING PAT 1 CONTROLLING OBSTACLE FROM "1260 TOWER(24-0979)" TO "1067 AAO".
FIX USE: ADDED IAP KCKN RNAV (GPS) RWY 13.
FIX USE: ADDED IAP KCKN RNAV (GPS) RWY 31.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: TEVAR MALONE

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A33

NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 20, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BEDSE STATE: MN COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 475421.06N/0964312.47W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	RNAV (GPS) RWY 13			KCKN	CROOKSTON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 11/27/2025

REASON FOR REVISION:
REMOVED KCKN R13 FROM FIX MAKE-UP FACILITIES.
MOVED FIX LOCATION 462.9FT NORTHWEST, FROM "475417.79N/0964307.73W" TO "475421.06N/0964312.47W".

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A33	NAME: TEVAR MALONE
APPROVED BY:	DATE: 10/23/2025	OFFICE: AJV-A33	NAME: KYLE THOMPSON

SIGNATURE: *Digitally signed by*
ALLAN WILL
Aug 20, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FAPVU

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 474156.66N/0962447.18W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SE		WP	133.09	313.09	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-001086)	473712.00N/0961316.00W	1492	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KCKN	CROOKSTON	MN (US)
IAP	RNAV (GPS) RWY 31		1	KCKN	CROOKSTON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

REMOVED KCKN R31 FROM FIX MAKE-UP FACILITIES.
CHANGED PAT 1 RAD/CRS/BRG FROM "128.10" TO "133.09" & CRS INBOUND FROM "308.10" TO "313.09".
CHANGED PAT 1 CONTROLLING OBSTACLE FROM "1491 TOWER (24-1086)" TO "1492 TOWER (27-001086)".
FIX USE: ADDED IAP KCKN RNAV (GPS) RWY 13.
FIX USE: ADDED IAP KCKN RNAV (GPS) RWY 31.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: TEVAR MALONE

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:

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ALLAN WILL

Aug 20, 2025

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RADIO FIX AND HOLDING DATA RECORD

NAME: GABSE STATE: MN COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 475353.10N/0965716.82W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	RNAV (GPS) RWY 13			KCKN	CROOKSTON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 11/27/2025

REASON FOR REVISION:
REMOVED AVINE FROM FIX MAKE-UP FACILITIES.
MOVED FIX LOCATION 2NM SW FROM "475518.39N/0965511.41W" TO "475353.10N/0965716.82W" AND MAINTAINED FIX NAME PER ATC REQUEST.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A33	NAME: TEVAR MALONE
APPROVED BY:	DATE: 10/23/2025	OFFICE: AJV-A33	NAME: KYLE THOMPSON

SIGNATURE:

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ALLAN WILL

Aug 20, 2025

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RADIO FIX AND HOLDING DATA RECORD

NAME: GRAND FORKS VOR/DME

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 475717.40N/0971107.33W

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	GRAND FORKS	GFK	VOR/DME	H						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	S	GFK	VOR/DME	170.00	350.00	R	1	3600 10000	4 9
2	N	GFK	VOR/DME	358.00	178.00	L	1	3600 10000	4 9
3	S	GFK	VOR/DME	172.83	352.83	R	1	3600 10000	4 12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (38-000755)	475018.00N/0970423.00W	1161	4D
2	200	TOWER (38-000117)	480018.00N/0970631.00W	1158	4D
3	200	TOWER (38-000755)	475018.00N/0970423.00W	1161	4D
3	310	TOWER (27-000979)	475752.17N/0970146.82W	1337	1A

REASON FOR NONSTANDARD HOLDING:

PAT 2 AVOID AFB TRAFFIC

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR 9E/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T330					(US)
EN ROUTE	T331					(US)
EN ROUTE	T407					(US)
EN ROUTE	V171					(US)
EN ROUTE	V181					(US)
EN ROUTE	V430					(US)
EN ROUTE	V55					(US)
EN ROUTE	V561					(US)
IAP	RNAV (GPS) RWY 13			KCKN	CROOKSTON	MN (US)
IAP	VOR RWY 13			KCKN	CROOKSTON	MN (US)
IAP	ILS OR LOC RWY 18			KFAR	FARGO	ND (US)
IAP	ILS OR LOC RWY 35L		2	KGFK	GRAND FORKS	ND (US)
IAP	LOC BC RWY 17R		3	KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 17L			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 17R			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 27R			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 35L			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 35R			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 9L			KGFK	GRAND FORKS	ND (US)
IAP	VOR RWY 17R		1	KGFK	GRAND FORKS	ND (US)
IAP	VOR RWY 35L		1	KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 32			D55	LANGDON	ND (US)
IAP	RNAV (GPS) RWY 26			4V4	NORTHWOOD	ND (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

FIX USE: IAP VOR/DME RWY 13 AT KCKN CHANGED TO VOR RWY 13.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: TEVAR MALONE

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A33

NAME: ERIC N SUSKI

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RADIO FIX AND HOLDING DATA RECORD

NAME: ILUVE STATE: MN COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 480348.98N/0964236.11W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	RNAV (GPS) RWY 13			KCKN	CROOKSTON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 11/27/2025

REASON FOR REVISION:
REMOVED AVINE FROM FIX MAKE-UP FACILITIES.
MOVED FIX LOCATION 2NM SW FROM "480223.93N/0964442.21W" TO "480348.98N/0964236.11W" AND MAINTAINED FIX NAME PER ATC REQUEST.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A33	NAME: TEVAR MALONE
APPROVED BY:	DATE: 10/23/2025	OFFICE: AJV-A33	NAME: KYLE THOMPSON

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