

RADIO FIX AND HOLDING DATA RECORD

NAME: BANIS **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 472459.14N/0922127.41W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

REMARKS:
8260.54A FORMULA 2-16B APPLIED.

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	RNAV (GPS) RWY 27			KEVM	EVELETH	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW FIX LAT/LONG. FIX MOVED 1857.47 FT EAST TO NEW PFAF LOCATION.
REMOVED FAC 1 AND ASSOCIATED DATA.
REMOVED HOLDING PATTERN 1 AND ASSOCIATED DATA. HOLDING NO LONGER REQUIRED AT THIS FIX.
REMOVED REMARK: HOLDING LIMITED TO ESTABLISHED PATTERN.
ADDED REMARK: 8260.54A FORMULA 2-16B APPLIED.
UPDATED FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 08/10/2012	OFFICE: AJV-353	NAME: BRIAN BICKETT
APPROVED BY:	DATE: 01/14/2013	OFFICE: AJV-353	NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HIDVI

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 472516.87N/0922711.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 27

FAC

PAT

AIRPORT IDENT
KEVM

CITY
EVELETH

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/07/2013

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/15/2012

OFFICE: AJV-353

NAME: BRIAN BICKETT

APPROVED BY:

DATE: 01/14/2013

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 473937.02N/0915324.72W TYPE: WP

AIRSPACE DOCKET: 19-AGL-7 FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	S		WP	194.10	014.10	R	4	3600	6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-026448)	474117.91N/0915413.61W	2210	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 27			KEVM	EVELETH	MN (US)
IAP	RNAV (GPS) RWY 26		1	12D	TOWER	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

TYPE: REMOVED DME - FIX HAS NO CONVENTIONAL NAVAID USAGE.
AIRSPACE DOCKET: ADDED 19-AGL-7.
FIX MAKE-UP FACILITIES: DELETED FAC 1 (ELO).
FIX USE: DELETED V177.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 NAME: BARRY SMITH

APPROVED BY: DATE: 11/20/2019 OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TOEGO **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 474131.74N/0925501.15W **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	HIBBING	HIB	VOR/DME	L	337.80	339.80	25.00	25.00		3600	17500
2	GRAND RAPIDS	GPZ	VOR/DME	L	030.07	036.07	39.36	39.36		3600	17500

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	N		WP	337.80	157.80	R		4	3600	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	473636.00N/0925451.00W	1815	4E
UPN	200	TOWER (27-002130)	475139.00N/0925647.00W	2012	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3600.

REMARKS:

HIBBING (FAC 1) AND GRAND RAPIDS (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V129	1, 2				
IAP	RNAV (GPS) RWY 13			KCQM	COOK	MN (US)
IAP	RNAV (GPS) RWY 27			KEVM	EVELETH	MN (US)
IAP	RNAV (GPS) RWY 13		1	KORB	ORR	MN (US)
IAP	RNAV (GPS) RWY 26			12D	TOWER	MN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:

FAC 2 MAG BRG/TRUE BRG CHANGED FROM (030.06/36.06) TO (030.07/036.07).
FAC 2 DIST FORM FAC CHANGED FROM (39.36) TO (39.37).
ADDED REMARK: GRAND RAPIDS (FAC 2) AND HIBBING (FAC 1) USED TO ESTABLISH FIX COORDINATES.
UPDATED FIX USE.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

DEVELOPED BY: **DATE:** 08/15/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

APPROVED BY: **DATE:** 01/14/2013 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOTLI

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 472552.74N/0923904.82W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 27

FAC

PAT

AIRPORT IDENT
KEVM

CITY
EVELETH

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/07/2013

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/10/2012

OFFICE: AJV-353

NAME: BRIAN BICKETT

APPROVED BY:

DATE: 01/14/2013

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

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