

RADIO FIX AND HOLDING DATA RECORD

NAME: CIBNA

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 465937.52N/0925234.66W

TYPE: WP, INT, 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	FAC FEET	MRA	MAA
1	DULUTH	DLH	VORTAC	H	287.79	292.79	30.00	30.00		3000	17500
2	HIBBING	HIB	VOR/DME	L	198.96	200.96		19.78		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DULUTH (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V430	1, 2				MN (US)
IAP	RNAV (GPS) RWY 18			KCOQ	CLOQUET	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

1: UPDATED FIX USE FROM RNAV (GPS) RWY 17 TO RNAV (GPS) RWY 18.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A430

NAME: MICAH HILLEY

APPROVED BY:

DATE:

OFFICE: AJV-A431

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

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

Jul 30, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FIDUP

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 463039.98N/0923006.14W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	S		WP	180.20	000.20	R	4	2900	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000463)	462253.00N/0923239.00W	1608	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18		1	KCOQ	CLOQUET	MN (US)
IAP	RNAV (GPS) RWY 36		1	KCOQ	CLOQUET	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

- 1: FIX USE UPDATED FOR KCOQ FROM RNAV (GPS) RWY 17 TO RNAV (GPS) RWY 18.
2: FIX USE UPDATED FOR KCOQ FROM RNAV (GPS) RWY 35 TO RNAV (GPS) RWY 36.

07/23/2020: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 07/08/2020

1: ADDED HOLDING PATTERN 1 TO FIX USE FOR RNAV (GPS) RWY 18 AND RNAV (GPS) RWY 36

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A430

NAME: MICAH HILLEY

APPROVED BY:

DATE:

OFFICE: AJV-A431

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZMP

ATC FACILITY: DLH APP CON

OTHER:

Jul 30, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HIBBING VOR/DME STATE: MN COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 471805.50N/0924214.56W 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	MRA	MAA
1	HIBBING	HIB	VOR/DME	L						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 ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE	HIB	VOR/DME	130.21	310.21	R	1	3600 14000	4 10
2	SW	HIB	VOR/DME	227.00	047.00	R	1	3100 12000	4 9
3	W		WP	252.09	072.09	R		3600 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	471712.00N/0923039.00W	1667	4E
2	200	AAO	472024.00N/0923757.00W	1651	4E
3	200	AAO	472024.00N/0923757.00W	1651	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V129					(US)
EN ROUTE	V191					(US)
EN ROUTE	V217					(US)
EN ROUTE	V505					(US)
IAP	RNAV (GPS) RWY 18			KCOQ	CLOQUET	MN (US)
IAP	RNAV (GPS) RWY 31			KCQM	COOK	MN (US)
IAP	RNAV (GPS) RWY 27		3	KEVM	EVELETH	MN (US)
IAP	VOR RWY 27			KEVM	EVELETH	MN (US)
IAP	VOR/DME-A		2	KEVM	EVELETH	MN (US)
IAP	ILS OR LOC RWY 34			KGPZ	GRAND RAPIDS	MN (US)
IAP	VOR RWY 34			KGPZ	GRAND RAPIDS	MN (US)
IAP	ILS OR LOC RWY 31		1	KHIB	HIBBING	MN (US)
IAP	ILS OR LOC/DME RWY 13		1	KHIB	HIBBING	MN (US)
IAP	RNAV (GPS) RWY 26			K12D	TOWER	MN (US)
IAP	RNAV (GPS) RWY 8			K12D	TOWER	MN (US)
IAP	RNAV (GPS) RWY 14			KSUW	SUPERIOR	WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

1: FIX USE UPDATED FOR KCOQ FROM RNAV (GPS) RWY 17 TO RNAV (GPS) RWY 18.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A430 NAME: MICAH HILLEY

APPROVED BY: DATE: OFFICE: AJV-A431 NAME: GEORGE DAVIS

SIGNATURE: Digitally signed by

DONALD H LANIER

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

Jul 30, 2020



RADIO FIX AND HOLDING DATA RECORD

NAME: HUTKU

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 464508.26N/0923023.72W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 18

FAC

PAT

AIRPORT IDENT
KCOQ

CITY
CLOQUET

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

1: UPDATED FIX USE FROM RNAV (GPS) RWY 17 TO RNAV (GPS) RWY 18.

07/23/2020: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 07/08/2020

1: UPDATED FIX TYPE FROM DME TO WP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A430

NAME: MICAH HILLEY

APPROVED BY:

DATE:

OFFICE: AJV-A431

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZMP

ATC FACILITY: DLH APP CON

OTHER:

Jul 30, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NESIC

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 464718.18N/0923026.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

8260.54A FORMULA 2-16B APPLIED.

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 18

FAC

PAT

AIRPORT IDENT
KCOQ

CITY
CLOQUET

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

1: UPDATED FIX USE FROM RNAV (GPS) RWY 17 TO RNAV (GPS) RWY 18.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A430

NAME: MICAH HILLEY

APPROVED BY:

DATE:

OFFICE: AJV-A431

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

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

Jul 30, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WEDNU

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 465240.52N/0923032.94W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	N		WP	000.20	180.20	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-020418)	465316.83N/0923037.83W	1763	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18		1	KCOQ	CLOQUET	MN (US)
IAP	RNAV (GPS) RWY 36		1	KCOQ	CLOQUET	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

1: UPDATED CONTROLLING OBSTACLE.
2: UPDATED FIX USE FROM RNAV (GPS) RWY 17 TO RNAV (GPS) RWY 18.
3: UPDATED FIX USE FROM RNAV (GPS) RWY 35 TO RNAV (GPS) RWY 36.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICAH HILLEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZMP

ATC FACILITY: DLH APP CON

OTHER:

DONALD H LANIER

Jul 30, 2020

QUALITY
18
CHECKED