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

LATITUDE/LONGITUDE: 465136.78N/0920437.89W **TYPE**: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX RESTRICTIONS:

COPTER RNAV (GPS) 193, MN33, DULUTH, MN

HOLDING: HOLDING TYPE OF ACTION:

REMARKS:

5/17/17 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/28/17.

UPDATED DATE OF REVISION FROM 10/15/15 TO 6/22/17.

FIX USE:

 USE TYPE
 USE TITLE
 FAC
 PAT
 AIRPORT IDENT
 CITY
 STATE

 SPECIAL IAP
 COPTER RNAV (GPS) 193
 MN33
 DULUTH
 MN (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

UPDATED FIX USE.

DELETED FAC 1.

DELETED RESTRICTED-ST MARY'S HOSPITAL FROM REMARKS, ADDED SPECIAL COPTER RNAV GPS) 193, KMN33, DULUTH, MN TO FIX

RESTRICTIONS.

ADDED SPECIAL IAP TO REQUIRED CHARTING.

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: 04/30/2015 **OFFICE:** AJV-5413 **NAME:** JERRY MCCULLOUGH

APPROVED BY: DATE: 02/20/2025 OFFICE: AJV-A420 NAME: CASIMIR TABAKA

SIGNATURE: Digitally signed by

DISTRIBUTION: NFDC FPO: CEN Oct 21, 2024

FPO: CEN ARTCC: ZMP

ATC FACILITY: DLH APP CON

OTHER:

ONALITA 20 CHECKED

FAA FORM 8260-2 / AUG 2009 Page 1 of 1

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

LATITUDE/LONGITUDE: 464828.26N/0920536.31W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX RESTRICTIONS:

EHOSI ONE, MN33, DULUTH, MN

COPTER RNAV (GPS) 193, MN33, DULUTH, MN

HOLDING TYPE OF ACTION: HOLDING:

REMARKS:

5/17/17 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/28/17.

UPDATED DATE OF REVISION FROM 10/15/15 TO 6/22/17.

FIX USE:

USE TYPE USE TITLE FAC PAT AIRPORT IDENT CITY STATE DULUTH SPECIAL DP MN (US) MN (US) **EHOSI ONE** MN33 SPECIAL IAP COPTER RNAV (GPS) 193 **MN33 DULUTH**

REQUIRED CHARTING: SPECIAL IAP, SPECIAL DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

DELETED FAC 1

UPDATED FIX USE

DELETED RESTRICTED-ST MARY'S HOSPITAL FROM REMARKS, ADDED SPECIAL COPTER RNAV (GPS) 193, KMN33, DULUTH, MN TO FIX RESTRICTIONS

ADDED SPECIAL IAP TO REQUIRED CHARTING.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE: AJV-5413 **DEVELOPED BY: DATE:** 04/30/2015 **NAME: JERRY MCCULLOUGH**

APPROVED BY: DATE: 02/20/2025 OFFICE: AJV-A420 **NAME: CASIMIR TABAKA**

> SIGNATURE: Digitally signed by

DAVID DANNER DISTRIBUTION: NFDC

FPO: CEN Oct 21, 2024 ARTCC: ZMP

ATC FACILITY: DLH APP CON

OTHER:



FAA FORM 8260-2 / AUG 2009 Page 1 of 1

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

LATITUDE/LONGITUDE: 465432.76N/0920343.25W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX RESTRICTIONS:

EHOSI ONE, MN33, DULUTH, MN

COPTER RNAV (GPS) 193 (SPECIAL), MN33, DULUTH, MN

HOLDING TYPE OF ACTION: CANCEL HOLDING:

PATTERNS:

PAT DIR **IDENT** TYPE RAD/CRS/BRG **CRS** TURN LEG LENGTH HOLDING ALTITUDES TEMPLATES (L OR R) TIME DME **INBOUND** MIN MAX MIN MAX 3100 Ν WP 013.02 193.02 6000

CONTROLLING OBSTRUCTIONS:

PAT AIRSPEED **OBSTRUCTION** COORDINATES **ELEVATION ACCURACY CODE**

100 200 ' AAO 470333.00N/0920324.00W 1788 4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

5/17/17 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/28/17.

UPDATED DATE OF REVISION FROM 10/15/15 TO 6/22/17.

FIX USE:

USE TITLE FAC AIRPORT IDENT **USE TYPE** PAT CITY STATE DULUTH SPECIAL DP MN (US) MN (US) **EHOSI ONE** MN33 **MN33** DULUTH

SPECIAL IAP COPTER RNAV (GPS) 193 (SPECIAL)

REQUIRED CHARTING: SPECIAL IAP, SPECIAL DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

DELETED FAC 1. UPDATED FIX USE

DELETED RESTRICTED-ST MARY'S HOSPITAL FROM REMARKS, ADDED SPECIAL COPTER RNAV (GPS) 193 (SPECIAL), KMN33, DULUTH, MN

TO FIX RESTRICTIONS.

MOVED HOLDING LIMITED TO ESTABLISHED PATTERN FROM REMARKS TO FIX RESTRICTIONS.

ADDED SPECIAL IAP TO REQUIRED CHARTING.

UPDATED HOLDING RAD/CRS/BRG FROM 010.02 TO 013.02 AND CRS INBOUND FROM 190.02 TO 193.02 DUE TO MAG VAR UPDATE FROM

2E TO 1W

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

DEVELOPED BY: DATE: 04/30/2015 OFFICE: AJV-5413 **NAME: JERRY MCCULLOUGH**

APPROVED BY: DATE: 02/20/2025 OFFICE: AJV-A420 **NAME: CASIMIR TABAKA**

> Digitally signed by SIGNATURE:

> > **DAVID DANNER**

DISTRIBUTION: NFDC Oct 21, 2024 FPO: CEN

ARTCC: ZMP

ATC FACILITY: DLH APP CON

OTHER:

QUALITY. 20 CHECKER

FAA FORM 8260-2 / AUG 2009 Page 1 of 1

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

LATITUDE/LONGITUDE: 464926.92N/0920518.14W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX RESTRICTIONS:

COPTER RNAV (GPS) 193, MN33, DULUTH, MN

HOLDING: HOLDING TYPE OF ACTION:

REMARKS:

5/17/17 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/28/17.

UPDATED DATE OF REVISION FROM 10/15/15 TO 6/22/17.

FIX USE:

USE TYPE USE TITLE CITY FAC PAT AIRPORT IDENT **STATE** SPECIAL IAP COPTER RNAV (GPS) 193 **DULUTH** MN33 MN (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

DELETED FAC 1.

UPDATED FIX USE

DELETED RESTRICTED-ST MARY'S HOSPITAL FROM REMARKS, ADDED SPECIAL COPTER RNAV (GPS) 193, KMN33, DULUTH, MN TO FIX

RESTRICTIONS.

ADDED SPECIAL IAP TO REQUIRED CHARTING.

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

DEVELOPED BY: DATE: 04/30/2015 OFFICE: AJV-5413 **NAME: JERRY MCCULLOUGH**

APPROVED BY: DATE: 02/20/2025 OFFICE: AJV-A420 **NAME: CASIMIR TABAKA**

SIGNATURE:

Digitally signed by

DAVID DANNER DISTRIBUTION: NFDC

FPO: CEN ARTCC: ZMP Oct 21, 2024

ATC FACILITY: DLH APP CON

OTHER:

QUALITY. 20 CHECKED

FAA FORM 8260-2 / AUG 2009 Page 1 of 1

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

LATITUDE/LONGITUDE: 464644.45N/0920042.34W TYPE: WP. DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC NAME **IDENT TYPE CLASS MAG** TRUE DME DIST FROM FAC MRA MAA **BRG BRG** NM FEET **DULUTH** DLH **VORTAC** 094.93 099.93 8.00 8.00 3000 6000

HOLDING TYPE OF ACTION: CANCEL HOLDING:

FIX USE:

USE TYPE USE TITLE FAC PAT AIRPORT IDENT CITY **STATE EN ROUTE** V191-430 (US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

DELETED HOLDING PATTERN 1 AND ALL ASSOCIATED DATA.

DELETED HOLDING RESTRICTIONS: HOLDING LIMITED TO ESTABLISHED PATTERN.

DELETED FIX USE: MN33 SPECIAL IAPS - COPTER RNAV (GPS) 193 AND 333.

DELETED REQUIRED CHARTING: SPECIAL IAP AND CONTROLLER.

ADDED REQUIRED CHARTING: CONTROLLER LOW.

DELETED REMARKS: 5/17/17 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/28/17 AND UPDATED DATE OF REVISION FROM

10/15/15 TO 6/22/17.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 NAME: ANDRE MARSH

APPROVED BY: **DATE:** 02/20/2025 OFFICE: AJV-A420 **NAME: CASIMIR TABAKA**

> Digitally signed by SIGNATURE:

DAVID DANNER Oct 21, 2024



FAA FORM 8260-2 / FEB 2012 Page 1 of 1

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

LATITUDE/LONGITUDE: 465521.98N/0915900.47W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: **HOLDING TYPE OF ACTION: NO CHANGE**

FIX USE:

USE TYPE EN ROUTE **USE TITLE STATE** FAC PAT AIRPORT IDENT CITY Q924 (US) **EN ROUTE** T331

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

DELETED FIX USE: MN33 SPECIAL IAP - COPTER RNAV (GPS) 193. (PROCEDURE CANCELLED). DELETED REQUIRED CHARTING: SPECIAL IAP.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 NAME: ANDRE MARSH

APPROVED BY: DATE: 02/20/2025 OFFICE: AJV-A420 **NAME: CASIMIR TABAKA**

SIGNATURE:

Digitally signed by **DAVID DANNER** Oct 21, 2024



FAA FORM 8260-2 / FEB 2012 Page 1 of 1