

# RADIO FIX AND HOLDING DATA RECORD

NAME: GRAND RAPIDS VOR/DME STATE: MN COUNTRY: US ICAO REGION CODE: K3  
 LATITUDE/LONGITUDE: 470948.40N/0932920.16W 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   | GRAND RAPIDS | GPZ   | 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  | GPZ   | VOR/DME | 154.22      | 334.22      | R             | 1                   | 3000 6000                 | 4 5               |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIR SPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|-----------|-------------|------------------------|-----------|---------------|
| 1   | 200       | AAO         | 470857.00N/0933315.00W | 1647      | 4E            |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAGVAR: E6 1965.

## FIX USE:

| USE TYPE | USE TITLE                    | FAC | PAT | AIRPORT IDENT | CITY         | STATE   |
|----------|------------------------------|-----|-----|---------------|--------------|---------|
| EN ROUTE | V191                         |     |     |               |              | (US)    |
| EN ROUTE | V218                         |     |     |               |              | (US)    |
| EN ROUTE | V430                         |     |     |               |              | (US)    |
| IAP      | RNAV (GPS) RWY 16            |     |     | KAIT          | AITKIN       | MN (US) |
| IAP      | ILS OR LOC RWY 34 (ALT MISS) | 1   |     | KGPZ          | GRAND RAPIDS | MN (US) |
| IAP      | RNAV (GPS) RWY 16            |     |     | KGPZ          | GRAND RAPIDS | MN (US) |
| IAP      | RNAV (GPS) RWY 34            |     |     | KGPZ          | GRAND RAPIDS | MN (US) |
| IAP      | VOR RWY 34                   | 1   |     | KGPZ          | GRAND RAPIDS | MN (US) |
| IAP      | RNAV (GPS) RWY 31            |     |     | KXVG          | LONGVILLE    | MN (US) |
| IAP      | RNAV (GPS) RWY 14            |     |     | KHZX          | MCGREGOR     | MN (US) |
| IAP      | RNAV (GPS) RWY 15            |     |     | KY49          | WALKER       | MN (US) |

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 02/25/2021

## REASON FOR REVISION:

1. REMOVED KXVG NDB RWY 31 AND KAIT NDB RWY 16 IN FIX USE.
2. REMOVED V161 FROM FIX USE-NO LONGER USED ON GPZ.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 NAME: ARTHUR ULVESTAD  
 APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*  
**JOHN BORDY**

DISTRIBUTION: NFDC  
 FPO: CEN  
 ARTCC: ZMP  
 ATC FACILITY:  
 OTHER:  
 Nov 06, 2020

QUALITY  
48  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: LONGVILLE NDB STATE: MN COUNTRY: US ICAO REGION CODE: K3  
 LATITUDE/LONGITUDE: 465939.03N/0941221.68W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

**FIX MAKE-UP FACILITIES:**

| FAC | NAME      | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM NM | FAC FEET | MRA | MAA   |
|-----|-----------|-------|------|-------|---------|----------|-----|--------------|----------|-----|-------|
| 1   | LONGVILLE | XVG   | NDB  | MH    |         |          |     |              |          |     | 17500 |

HOLDING: HOLDING TYPE OF ACTION: CANCEL

**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  | XVG   | NDB  | 140.65      | 320.65      | R             | 1                   | 3100 6000                 | 4 5               |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (27-001599) | 465817.00N/0940311.00W | 1990      | 4D            |

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 FACILITY ASSIGNED MAGVAR: E3 2000

**FIX USE:**

| USE TYPE | USE TITLE  | FAC | PAT | AIRPORT IDENT | CITY      | STATE   |
|----------|------------|-----|-----|---------------|-----------|---------|
| IAP      | NDB RWY 31 | 1   | 1   | KXVG          | LONGVILLE | MN (US) |

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 01/30/2020

**REASON FOR REVISION:**

CHANGED REQUIRED CHARTING "CONTROLLER" TO "CONTROLLER LOW"

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: MICHAEL DARDEN

APPROVED BY: DATE: 11/13/2019 OFFICE: AJV-A420 NAME: MARLON ROBINSON

**SIGNATURE:**

*Digitally signed by*

**DISTRIBUTION:**

NFDC  
 FPO: CEN  
 ARTCC: ZMP  
 ATC FACILITY:  
 OTHER:

**JOHN BORDY**  
 Nov 02, 2020

QUALITY  
 32  
 CHECKED