

# RADIO FIX AND HOLDING DATA RECORD

NAME: CHETT

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414633.17N/0870331.98W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 22-AGL-20

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

| FAC | NAME   | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | MRA  | MAA   |
|-----|--------|-------|---------|-------|---------|----------|-------|------------------|------|-------|
| 1   | GIPPER | GIJ   | VORTAC  | H     | 271.00  | 271.00   | 33.24 | 33.24            | 2600 | 17500 |
| 2   | KNOX   | OXI   | VOR/DME | H     | 326.00  | 326.00   |       | 32.88            | 2600 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

## REMARKS:

GIPPER (FAC 1) AND KNOX (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

| USE TYPE | USE TITLE         | FAC  | PAT | AIRPORT IDENT | CITY       | STATE   |
|----------|-------------------|------|-----|---------------|------------|---------|
| EN ROUTE | V10               | 1, 2 |     | KVPZ          | VALPARAISO | (US)    |
| IAP      | RNAV (GPS) RWY 18 |      |     |               |            | IN (US) |

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 04/20/2023

## REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 22-AGL-20.
2. DELETED FAC 3 RODLE IN FIX MAKE-UP FACILITIES.
3. CANCELED UNPLANNED HOLDING, ASSOCIATED OBSTACLE AND REMARKS.
4. ADDED REMARK "GIPPER (FAC 1) AND KNOX (FAC 2) USED TO ESTABLISH FIX COORDINATES".
5. DELETED V-6 AND ADDED V10 IN FIX USE.
6. CHANGED "PORTER COUNTY MUNI - RNAV (GPS) RWY 18" TO "RNAV (GPS) RWY 18" AT KVPZ IN FIX USE.
7. CHANGED "CONTROLLER" TO "CONTROLLER LOW" IN REQUIRED CHARTING.
8. ADDED DISTANCE FROM FACILITY GIJ VORTAC "33.24 NM" AND OXI VOR/DME "32.88 NM" IN FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** KNOX VOR/DME **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 411919.41N/0863857.44W **TYPE:**

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

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|------|-------|---------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | KNOX | OXI   | VOR/DME | H     |         |          |     |                          |     | 45000 |

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

**PATTERNS:**

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|---------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | SE  | OXI   | VOR/DME | 117.00      | 297.00         | L                | 1                      | 3000 24000                   | 4 19                 |
| 2   | SE  |       | WP      | 141.08      | 321.08         | R                | 4                      | 2600 6000                    | 5 6                  |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (18-000059) | 411348.00N/0862851.00W | 1046      | 4D            |
| 2   | 200      | TOWER (18-000059) | 411348.00N/0862851.00W | 1046      | 4D            |

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 REMAIN CLEAR OF CHICAGO MIDWAY ARRIVALS USING GSH STAR (PAT 1)

**REMARKS:**

CHART HOLDING PATTERN 2 ON L-28, H-5, H-10, AND KNOX STAR.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: E00/1975.

**FIX USE:**

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY          | STATE   |
|----------|-------------------|-----|-----|---------------|---------------|---------|
| EN ROUTE | V-156             |     |     |               |               | (US)    |
| EN ROUTE | V-233             |     |     |               |               | (US)    |
| EN ROUTE | V-340             |     |     |               |               | (US)    |
| EN ROUTE | V-371             |     |     |               |               | (US)    |
| EN ROUTE | V-422             |     |     |               |               | (US)    |
| IAP      | VOR-A             |     |     | KMGC          | MICHIGAN CITY | IN (US) |
| IAP      | ILS RWY 27        |     |     | KVPZ          | VALPARAISO    | IN (US) |
| IAP      | RNAV (GPS) RWY 18 |     | 2   | KVPZ          | VALPARAISO    | IN (US) |
| IAP      | RNAV (GPS) RWY 27 |     |     | KVPZ          | VALPARAISO    | IN (US) |
| STAR     | GOSHEN            |     |     | KMDW          | CHICAGO       | IL (US) |
| STAR     | KNOX              |     | 1   | KORD          | CHICAGO       | IL (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 13 **DATE OF REVISION:** 04/20/2023

**REASON FOR REVISION:**

1. FIX USE: REMOVED KC65 VOR RWY 28, KC65 VOR RWY 10, KRWN VOR/DME-A, KSBM ILS OR LOC RWY 9R AND RNAV (GPS) RWY 09L.
2. FIX USE: UPDATED STAR KNOX PAT FROM 2 TO 1, KVPZ RNAV (GPS) RWY 18 FROM PAT 3 TO 2.
3. HOLDING: REMOVED HOLDING PATTERN 1, OXI, VOR/DME AND ALL ASSOCIATIONS.
4. REQUIRED CHARTING: ADDED STAR.
5. REASON FOR NON-STANDARD HOLDING: UPDATED FROM "PAT 1 REMAIN CLEAR OF CHICAGO MIDWAY ARRIVALS USING GSH STAR (PAT 2)" TO "PAT 1 REMAIN CLEAR OF CHICAGO MIDWAY ARRIVALS USING GSH STAR (PAT 1)"

|                                          |                         |                         |                            |
|------------------------------------------|-------------------------|-------------------------|----------------------------|
| <b>INITIATED BY:</b>                     | <b>DATE:</b>            | <b>ORGANIZATION:</b>    | <b>NAME:</b>               |
| <b>OFFICE OF PRIMARY RESPONSIBILITY:</b> |                         | AJV-A431                | <b>NAME:</b> JUDITH TUTTLE |
| <b>APPROVED BY:</b>                      | <b>DATE:</b> 06/15/2023 | <b>OFFICE:</b> AJV-A423 | <b>NAME:</b> ALLAN WILL    |
| <b>SIGNATURE:</b>                        |                         |                         |                            |