

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** AUSTIN VOR/DME **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

**LATITUDE/LONGITUDE:** 433434.54N/0925507.15W **TYPE:**

**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 | MRA | MAA   |
|-----|--------|-------|---------|-------|---------|----------|-----|------------------|-----|-------|
| 1   | AUSTIN | JAY   | VOR/DME | T     |         |          |     |                  |     | 13200 |

**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 ALTITUDES MIN MAX | TEMPLATES MIN MAX |
|-----|-----|-------|---------|-------------|-------------|---------------|---------------------|---------------------------|-------------------|
| 1   | S   | JAY   | VOR/DME | 173.07      | 353.07      | L             | 1                   | 2900 6000                 | 4 5               |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (27-001879) | 433006.70N/0925549.50W | 1486      | 5D            |

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 OBSTACLE CLEARANCE

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
AUSTIN VOR/DME MAGVAR 0/2020

**FIX USE:**

| USE TYPE | USE TITLE  | FAC | PAT | AIRPORT IDENT | CITY   | STATE   |
|----------|------------|-----|-----|---------------|--------|---------|
| IAP      | VOR RWY 17 |     | 1   | KAUM          | AUSTIN | MN (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 7 **DATE OF REVISION:** 02/28/2019

**REASON FOR REVISION:**

1. UPDATED PAT 1 CONTROLLING OBS ID.
2. CHANGED PAT 1 INBOUND COURSE TO 353.07 FROM 005.00 - TO ALIGN HOLDING WITH NEXT SEGMENT.
3. MAA CHANGED TO 13200 FROM 12000 - IAW 8260.19H PARA 2-42A, A.
4. ADDED MAGVAR REMARK - IAW 8260.19H PARA 8-5-2I(2)
5. ADDED CONTROLLER LOW TO REQUIRED CHARTING - PER MANAGMENT GUIDANCE.

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

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-5430 **NAME:** JANTZEN TAYLOR

**APPROVED BY:** **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

**SIGNATURE:** *Digitally signed by*  
**WARDELL HENNING**

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

Jun 26, 2019

QUALITY  
24  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JAPSA

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 434149.39N/0925620.00W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

| FAC | NAME   | IDENT | TYPE    | CLASS | MAG<br>BRG | TRUE<br>BRG | DME  | DIST FROM<br>NM | FAC<br>FEET | MRA  | MAA   |
|-----|--------|-------|---------|-------|------------|-------------|------|-----------------|-------------|------|-------|
| 1   | AUSTIN | JAY   | VOR/DME | T     | 350.07     | 353.07      | 7.30 | 7.30            |             | 1680 | 13200 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

| USE TYPE | USE TITLE  | FAC | PAT | AIRPORT IDENT | CITY   | STATE   |
|----------|------------|-----|-----|---------------|--------|---------|
| IAP      | VOR RWY 17 | 1   |     | KAUM          | AUSTIN | MN (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/28/2019

## REASON FOR REVISION:

1. FIX MOVED 72.17 FT WEST FOR FINAL COURSE ALIGNMENT(353.07T/7.30 DME).
2. FINAL COURSE CHANGED FROM 353.50T/M, 7.29 DME TO 353.07 T/M, 7.30 DME - FOR COURSE ALIGNMENT.
3. CHANGED MAA FROM 12000 TO 13200 IAW 8260.19H PARA 2-42A, A.
4. ADDED FAC 1 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5430

NAME: JANTZEN TAYLOR

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

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**WARDELL HENNING**

Jun 26, 2019

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# RADIO FIX AND HOLDING DATA RECORD

NAME: SPAMM

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 434518.43N/0925655.12W

TYPE: 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 NM | FAC FEET | MRA  | MAA   |
|-----|-----------|-------|---------|-------|---------|----------|-------|--------------|----------|------|-------|
| 1   | AUSTIN    | JAY   | VOR/DME | T     | 353.07  | 353.07   | 10.81 | 10.81        | 65682    | 2900 | 13200 |
| 2   | ROCHESTER | RST   | VOR/DME | L     | 258.90  | 263.90   |       | 15.38        |          | 2900 | 13200 |

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPACE | OBSTRUCTION          | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|----------------------|------------------------|-----------|---------------|
| UPN | 200      | WINDMILL (27-026327) | 434254.73N/0924248.59W | 1893      | 5D            |

## REMARKS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000'.  
DUE TO THE UNUSUAL NATURE OF UNPLANNED HOLDING AT SPAMM, THE FPT HAS CONTACTED ATC TO FIND OUT IF THEY WANT TO RETAIN THE HOLDING AS LISTED OR NOT. CURRENTLY WAITING ON A RESPONSE.

## FIX USE:

| USE TYPE | USE TITLE  | FAC  | PAT | AIRPORT IDENT | CITY   | STATE   |
|----------|------------|------|-----|---------------|--------|---------|
| IAP      | VOR RWY 17 | 1, 2 |     | KAUM          | AUSTIN | MN (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/28/2019

## REASON FOR REVISION:

MOVED FIX 232.08 FEET WEST SOUTHWEST- FOR PROCEDURE ALIGNMENT.  
CHANGED UNPLANNED HOLDING CONTROLLING OBSTACLE TO 1893 WINDMILL(27-026327)FROM 1660 TOWER(24-2715) - NEW OBSTACLE EVALUATION.  
CHANGED JAY AND RST MAA FROM 17500 TO 13200 IAW 8260.19H PARA 8-5-2,G,K.  
UPDATED FIX USE TO REMOVE AUSTIN MUNI FROM THE USE TITLE. ADD FAC 1,2.  
CHANGED FAC 1 MAG/TRUE COURSE TO 353.07 M/T FROM 350.07/353.07- MAG VAR CHANGED TO 0 FROM E3.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5430

NAME: JANTZEN TAYLOR

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

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