

# RADIO FIX AND HOLDING DATA RECORD

NAME: KNUTE OM

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414208.61N/0862653.66W

TYPE: RADAR

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   | KNUTE      | UX    | OM   |       |            |             |     |                 |             |      | 5200 |
| 2   | SOUTH BEND | I-UXW | LOC  |       | 273.79     | 268.79      |     | 6.89            | 41879       | 2600 | 5200 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE KNUTE OM.  
ACTUAL FACILITY LOCATION IS 414207.16N/0862653.61W.

## FIX USE:

| USE TYPE | USE TITLE         | FAC  | PAT | AIRPORT IDENT | CITY       | STATE   |
|----------|-------------------|------|-----|---------------|------------|---------|
| IAP      | ILS OR LOC RWY 9R | 1, 2 |     | KSBN          | SOUTH BEND | IN (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

CHANGED FIX TYPE FROM INT TO RADAR.  
CHANGED FIX COORDINATES FROM "414208.59N/0862653.65W" TO "414208.61N/0862653.66W". FIX MOVED NORTH BY 2 FT.  
ADDED FAC 1 I-UXW OM TO FIX MAKE-UP FACILITIES.  
REMOVED FAC 2 GIJ VORTAC FROM FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

*Digitally signed by*  
**CASIMIR L TABAKA**

Feb 24, 2025



# RADIO FIX AND HOLDING DATA RECORD

NAME: MISHA LOM

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414221.67N/0861308.53W

TYPE: RADAR

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 | FEET  | MRA  | MAA  |
|-----|------------|-------|------|-------|---------|----------|-----|------------------|-------|------|------|
| 1   | MISHA      | SB    | LOM  |       |         |          |     |                  |       |      | 8000 |
| 2   | SOUTH BEND | I-SBN | LOC  |       | 093.81  | 088.81   |     | 5.13             | 31161 | 2000 | 5200 |

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   | E   | SB    | LOM  | 093.81      | 273.81      | R             | 1               |     | 3000                  | 6000 | 4             | 12  |
| 2   | SW  | SB    | LOM  | 230.00      | 050.00      | L             | 1               |     | 3000                  | 4000 | 4             | 12  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (18-001499) | 414457.60N/0860710.50W | 1300      | 2C            |
| 1   | 310      | TOWER (18-002311) | 413655.00N/0861107.00W | 1949      | 5D            |
| 2   | 200      | TOWER (18-000004) | 413700.00N/0861301.00W | 1917      | 5D            |
| 2   | 310      | TOWER (18-002311) | 413655.00N/0861107.00W | 1949      | 5D            |

## REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE             | AIRPORT IDENT | CITY       | STATE   |
|-----|-----------------------------|---------------|------------|---------|
| 1   | ILS OR LOC RWY 9R           | KSBN          | SOUTH BEND | IN (US) |
| 2   | ILS RWY 27L (SA CAT I & II) | KSBN          | SOUTH BEND | IN (US) |
| 2   | ILS OR LOC RWY 27L          | KSBN          | SOUTH BEND | IN (US) |

## REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE MISHA LOM.  
ACTUAL FACILITY LOCATION IS 414220.18N/0861308.49W.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE | USE TITLE                   | FAC  | PAT | AIRPORT IDENT | CITY       | STATE   |
|----------|-----------------------------|------|-----|---------------|------------|---------|
| IAP      | ILS OR LOC RWY 27L          | 1, 2 | 2   | KSBN          | SOUTH BEND | IN (US) |
| IAP      | ILS OR LOC RWY 9R           | 1, 2 | 1   | KSBN          | SOUTH BEND | IN (US) |
| IAP      | ILS RWY 27L (SA CAT I & II) | 1, 2 | 2   | KSBN          | SOUTH BEND | IN (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

CHANGED FIX TYPE FROM INT TO RADAR.  
CHANGED FIX COORDINATES FROM "414221.68N/0861308.54W" TO "414221.67N/0861308.53W". FIX MOVED SOUTHEAST BY 2 FT.  
CHANGED FAC 2 I-SBN LOC DIST FROM FAC IN FEET FROM 31160 TO 31161 IN FIX MAKE-UP FACILITIES.  
REMOVED FAC 3 GIJ VORTAC FROM FIX MAKE-UP FACILITIES AND FIX USE.  
ADDED PAT 2 WITH ITS CONTROLLING OBSTACLES TO HOLDING PATTERNS.  
ADDED IAPS ILS RWY 27L (SA CAT I & II) AND ILS OR LOC RWY 27L FOR KSBN TO PROCEDURES REQUIRING CLIMB-IN-HOLD.  
ADDED PAT 1 TO ILS OR LOC RWY 9R FOR KSBN AIRPORT IN FIX USE.  
ADDED PAT 2 TO ILS OR LOC RWY 27L AND ILS RWY 27L (SA CAT I & II) FOR KSBN AIRPORT IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by  
CASIMIR L TABAKA

Feb 24, 2025

QUALITY  
10  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: PRAIR

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414200.45N/0863442.38W

TYPE: RADAR

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   | SOUTH BEND | I-UXW | LOC  |       | 273.79     | 268.79      |     | 12.75           |             | 2600 | 5200 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY       | STATE   |
|----------|-------------------|-----|-----|---------------|------------|---------|
| IAP      | ILS OR LOC RWY 9R | 1   |     | KSBN          | SOUTH BEND | IN (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

CHANGED FIX TYPE FROM INT TO RADAR.  
CHANGED FIX COORDINATES FROM "414200.06N/0863442.37W" TO "414200.45N/0863442.38W". FIX MOVED NORTH BY 40 FT.  
REMOVED FAC 2 GIJ VORTAC FROM FIX MAKE-UP FACILITIES AND FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

*Digitally signed by*

**CASIMIR L TABAKA**

Feb 24, 2025

