

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> KSBN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27L	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> SOUTH BEND	<u>STATE</u> IN		
<u>AIRPORT ELEVATION</u> 798	<u>TDZE</u> 774	<u>SUPERSEDED</u> RNAV (GPS) RWY 27L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 09/13/2018	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
JJANN		NACIB		TF	FB	1.00	201.81	11.46	3000
GSH VORTAC	IAF	ISUYO	NOPT	TF	FB	1.00	358.48	11.06	2400
NACIB	IAF	ISUYO	NOPT	TF	FB	1.00	183.96	5.00	2400
ISUYO	IF/IAF	GOCEY		TF	FB	1.00	273.96	6.03	2400
GOCEY	FAF	RW27L	MAP	TF	FO	0.30	273.87	4.88	
RW27L	MAP	1030 MSL		CA			273.87		
1030 MSL		TOKOC		DF	FO	1.00			2600

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW27L

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2600 DIRECT TOKOC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
10  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD E ISUYO, RT, 273.96 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 273.87FAF: GOCEYDIST FAF TO MAP: 4.88DIST FAF TO THLD: 4.88

4. MIN ALT: ISUYO 2400, GOCEY 2400

5. DIST TO THLD FROM OM:MM:IM:150 HAT:256 HAT: 0.65GS ANT:

6. MIN GP INCPT: 2400GP ALT AT PFAF : GOCEY 2400OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 52.9

8. MSA FROM: RW27L 3000

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JJANN ON V277 NORTHWEST BOUND AND ON V156 NORTHEAST BOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GSH VORTAC AIRWAY RADIALS 270 CW 060.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART 973 TOWER 414256N/0861136W  
HOLD W, RT, 093.61 INBOUND.  
CHART FAS OBST: 963 BLDG (18-040246) 414208N/0861423W.  
CHART VDP AT 1.38 NM TO RW27L.  
WAAS CHANNEL # 50108  
REFERENCE PATH ID: W27A  
CHART CIRCLING ICON.  
LTP HAE: 200.6 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA

☐

STANDARD - CAT D 800-2 1/4

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1030	2400	256	1030	2400	256	1030	2400	256	1030	2400	256			
LNAV/VNAV DA	1160	4000	386	1160	4000	386	1160	4000	386	1160	4000	386		QUALITY 10 CHECKED	
LNAV MDA	1260	2400	486	1260	2400	486	1260	5000	486	1260	5000	486			
CIRCLING	1280	1	482	1280	1	482	1440	1 3/4	642	1500	2 1/4	702			

**CHANGES - REASONS**

1. UPDATED AIRPORT MAGVAR FROM 03W TO 05W.
2. UPDATED PBN/EQUIPMENT REQUIREMENT NOTES FROM RNP APCH TO RNP APCH - GPS - 8260.19I 8-6-8.
3. UPDATED COURSE REVERSAL AT ISUYO INBOUND COURSE FROM 271.96 TO 273.96 - MAGVAR.
4. UPDATED FEEDER FROM JJANN FROM NACIB FROM 199.81 TO 201.81 - MAGVAR.
5. UPDATED INITIAL COURSE FROM GSH VORTAC TO ISUYO FROM 356.48 TO 358.48 - MAGVAR.
6. UPDATED INITIAL COURSE FROM NACIB TO ISUYO FROM 181.96 TO 183.96 - MAGVAR.
7. UPDATED INTERMEDIATE COURSE FROM ISUYO TO GOCEY FROM 271.87 TO 273.87 - MAGVAR.
8. UPDATED FINAL COURSES LPV, LNAV/VNAV, AND LNAV FROM 271.87 TO 273.87 - MAGVAR.
9. UPDATED FAC FROM 271.87 TO 273.87 - MAGVAR.
10. UPDATED HOLDING INBOUND COURSE AT TOKOC FROM 91.61 TO 93.61 - MAGVAR.
11. UPDATED JJANN TO NACIB RNP FROM 2.00 TO 1.00 - 8260.19I 4-6-10.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☐ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU ARTCC, SBN ATCT, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**DEVELOPED BY** *Digitally signed by*

CASEY HILL **CASEY D HILL**  
Mar 23, 2022

**APPROVED BY**  
LONNIE EVERHART

*Digitally signed by*  
**CASIMIR L TABAKA**  
Apr 11, 2022

**OFFICE** *Digitally signed by* **DATE**

**CASIMIR L TABAKA**

Apr 11, 2022

**OFFICE**  
AJV-A432

**DATE**  
12/21/2021

**OFFICE**  
AJV-A430

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSBN
RUNWAY	RW27L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	414217.3215N
LTP/FTP LONGITUDE	0861755.0285W
LTP/FTP ELLIPSOIDAL HEIGHT	+02006
FPAP LATITUDE	414215.5600N
FPAP LONGITUDE	0861946.0600W
THRESHOLD CROSSING HEIGHT (TCH)	00052.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0184
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8C1F6C5E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02344
FPAP ORTHOMETRIC HEIGHT	+02344

