

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.23

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</u> SOUTH BEND INTL	<u>AIRPORT ID</u> KSNB	<u>PROCEDURE NAME</u> VOR RWY 18	<u>ORIGINAL/AMENDMENT</u> 7E	<u>CITY</u> SOUTH BEND	<u>STATE</u> IN	
<u>AIRPORT ELEVATION</u> 798	<u>TDZE</u> 798	<u>SUPERSEDED</u> VOR RWY 18	<u>ORIGINAL/AMENDMENT</u> 7D	<u>DATED</u> 01/23/2003	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> GIJ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<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>
COALA/GIJ 8.00 DME CW	IAF	HEIST/GIJ 8.00 DME	NOPT				8.00 DME ARC		2400
CORKS/GIJ 8.00 DME CCW	IAF	HEIST/GIJ 8.00 DME	NOPT				8.00 DME ARC		2400
HEIST/GIJ 8.00 DME	IF	GIJ VORTAC					180.81	8.00 (GIJ R-001)	1900

MISSED APPROACH

MAP:

2.99 NM AFTER GIJ VORTAC OR AT GIJ 2.99 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 2400 DIRECT GIJ VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT R **SIDE OF COURSE** 000.81 **OUTBOUND** 2400 **FT WITHIN** 10 **MILES OF** GIJ (IAF)
- 2.
3. **FAC:** 180.81 **FAF:** GIJ VORTAC **DIST FAF TO MAP:** 2.99 **DIST FAF TO THLD:** 2.99
4. **MIN ALT:** GIJ VORTAC 1900
8. **MSA FROM:** GIJ VORTAC 045-225 3000, 225-045 2300

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD N, LT 180.87 INBOUND.



CHART CIRCLING ICON.
GIJ VORTAC TO RW18: 3.31/50.
CHART GIJ R-268 AT COALA.
CHART GIJ R-089 AT CORKS.
CHART VDP AT 1.82 DME
DISTANCE VDP TO THLD 1.17 NM
CHART FAS OBST: 930 TWR 414419N/0861820W.

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
S-18	1260	1	462	1260	1	462	1260	1 3/8	462	1260	1 1/2	462			
CIRCLING	1280	1	482	1280	1	482	1440	1 3/4	642	1500	2 1/4	702			

CHANGES - REASONS

1. CHANGED MISSED APPROACH CLIMB-TO ALTITUDE FROM 2300 MSL TO 2400 MSL. - WHEN ADDING AIRSPACE TO HIGHEST TERRAIN WITHIN THE MISSED APPROACH SEGMENT, A MINIMUM ALTITUDE OF 2400' MSL IS REQUIRED.
2. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA. - NEW CIRCLING CRITERIA APPLIED/EVALUATED, QUALIFYING PROCEDURE FOR CIRCLING ICON NOTE.
3. ADDED CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - 34:1 PENETRATIONS EXIST FOR RWY 18.
4. RAISED CAT A CIRCLING MDA/HAA FROM 1260/461 TO 1280/482. - NEW CONTROLLING OBSTRUCTION & NEWLY CALCULATED AIRPORT ELEVATION RESULTED IN DIFFERENT MDA/HAA.
5. RAISED CAT C CIRCLING MDA/HAA FROM 1280/481 TO 1440/642. - NEW CONTROLLING OBSTRUCTION & NEWLY CALCULATED AIRPORT ELEVATION RESULTED IN DIFFERENT MDA/HAA.
6. RAISED CAT D CIRCLING MDA/HAA FROM 1360/561 TO 1500/702. - NEW CONTROLLING OBSTRUCTION & NEWLY CALCULATED AIRPORT ELEVATION RESULTED IN DIFFERENT MDA/HAA.
7. CHANGED S-18 CAT C VISIBILITY FROM 1 1/4 SM TO 1 3/8 SM. - VISIBILITIES CALCULATED USING NEWEST VISIBILITY CRITERIA FROM 8260.3C SECTION 3-3 AND ASSOCIATED VISIBILITY MINIMUM TABLES.
8. CHANGED CAT C CIRCLING VISIBILITY FROM 1 1/2 SM TO 1 3/4 SM. - VISIBILITIES CALCULATED USING NEWEST VISIBILITY CRITERIA FROM 8260.3C SECTION 3-3 AND ASSOCIATED VISIBILITY MINIMUM TABLES.
9. CHANGED CAT D CIRCLING VISIBILITY FROM 2 SM TO 2 1/4 SM. - VISIBILITIES CALCULATED USING NEWEST VISIBILITY CRITERIA FROM 8260.3C SECTION 3-3 AND ASSOCIATED VISIBILITY MINIMUM TABLES.
10. IN TERMINAL ROUTES, CHANGED GIJ R-271/8.00 DME CW TO COALA/GIJ 8.00 DME CW. - CREATED FIX NAME FOR CODING.
11. IN TERMINAL ROUTES, CHANGED GIJ R-001/8.00 DME TO HEIST/GIJ 8.00 DME. - CREATED FIX NAME FOR CODING.
12. IN TERMINAL ROUTES, CHANGED GIJ R-092/8.00 DME CCW TO CORKS/GIJ 8.00 DME CCW. - CREATED FIX NAME FOR CODING.
13. IN TERMINAL ROUTES, ADDED 8.00 DME ARC TO COURSE FOR THE TWO IAF LINES. - REQUIRED ENTRY PER 8260.19H.
14. IN TERMINAL ROUTES, CHANGED IF COURSE FROM 180.87 TO 180.81. - MOST CURRENT COURSE CALCULATIONS.
15. IN TERMINAL ROUTES, CHANGED IF DISTANCE FROM 8.00 TO 8.00 (GIJ R-001). - UPDATED FORMAT TO COMPLY WITH 8260.19H REQUIREMENTS.
16. CHANGED MAP FROM RW18 TO 2.99 NM AFTER GIJ VORTAC OR AT GIJ 2.99 DME. - UPDATED FORMAT TO COMPLY WITH 8260.19H REQUIREMENTS.
17. IN PROFILE, CHANGED PT SIDE OF COURSE FROM 000.87 TO 000.81. - MOST CURRENT COURSE CALCULATIONS.
18. CHANGED FAC FROM 180.87 TO 180.81. - MOST CURRENT COURSE CALCULATIONS.
19. IN ADDITIONAL FLIGHT DATA, ADDED "CHART VDP AT 1.82 DME." - REQUIRED ADDITIONAL FLIGHT DATA INFORMATION PER 8260.19H.
20. IN ADDITIONAL FLIGHT DATA, ADDED "DISTANCE VDP TO THRESHOLD 1.17 NM." - REQUIRED ADDITIONAL FLIGHT DATA INFORMATION PER 8260.19H.
21. IN ADDITIONAL FLIGHT DATA, ADDED "CHART FAS OBST: 930 TOWER 414419N/0861820W. - NON-PRECISION FINAL OBSTACLE MUST BE DOCUMENTED PER 8260.19H.
22. IN MINIMUMS, ADDED "CAT D 800- 2 1/4" - PROCEDURE QUALIFIES FOR ALTERNATE MINIMA.
23. CHANGED S-18 MDA FROM 1240 TO 1260. - MISSED APPROACH PENETRATION REQUIRED MDA INCREASE.
24. CHANGED S-18 HAT FROM 442 TO 462. - MISSED APPROACH PENETRATION REQUIRED MDA INCREASE.

08/06/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/06/18.

1. ADDED HOLD N, LT 180.87 INBOUND TO ADDITIONAL FLIGHT DAT
2. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CHART GIJ R-271 AT COALA TO CHART GIJ R-268 AT COALA.
3. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CHART GIJ R-092 AT CORKS TO CHART GIJ R-089 AT CORKS.

08/09/18: THIS IS AN CORRECTED COPY OF THE FORM APPROVED ON 08/06/18.

1. ADDED HOLD N, LT 180.87 INBOUND TO ADDITIONAL FLIGHT DAT, WAS LEFT OFF UPDATED COPY.



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<u>COORDINATED WITH:</u>					
A4A <input checked="" type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input checked="" type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> ZAU ARTCC, SBN ATCT, AMGR, ATA					
<u>FLIGHT CHECKED BY</u> JOHN R CLOUGH	<i>Digitally signed by</i> JULIE A MORGAN Aug 07, 2018	<u>OFFICE</u> FICO	<u>DATE</u> 7/19/18		
<u>DEVELOPED BY</u> JOSHUA LEETE	<i>Digitally signed by</i> JULIE A MORGAN Aug 07, 2018	<u>OFFICE</u> AJV-5422	<u>DATE</u> 06/14/2018		
<u>APPROVED BY</u> JULIE MORGAN	<i>Digitally signed by</i> JULIE A MORGAN Aug 07, 2018	<u>OFFICE</u> AJV-5420	<u>DATE</u>	<u>TITLE</u> MANAGER	

