

**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</u> BEMIDJI RGNL	<u>AIRPORT ID</u> KBJI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> BEMIDJI	<u>STATE</u> MN	
<u>AIRPORT ELEVATION</u> 1391	<u>TDZE</u> 1389	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/29/2014	<u>MAG VAR</u> 1E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 220/30 CW 040/30	NOPT	220/14 CW 040/14		3400
2. 220/14 CW 040/14		OMIGY	IF/IAF	3200
3. 040/30 CW 130/30		040/15 CW 130/15		3500
4. 040/15 CW 130/15		WOFPE	IAF	3200
5. 130/30 CW 220/30		130/15 CW 220/15		3600
6. 130/15 CW 220/15		UDAYU	IAF	3200

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UDAYU	IAF	OMIGY	NOPT	TF	FB	1.00	223.22	5.00	3200
WOFPE	IAF	OMIGY	NOPT	TF	FB	1.00	043.10	5.00	3200
OMIGY	IF/IAF	IPEMY		TF	FB	1.00	313.16	6.10	3200
IPEMY	FAF	HIPAV/2.60 NM TO RW31		TF	FB	0.30	313.08	2.88	
HIPAV/2.60 NM TO RW31		RW31	MAP	TF	FO	0.30	313.08	2.60	
RW31	MAP	1589 MSL		CA			313.08		
1589 MSL		TEGAE		DF	FO	1.00			3200



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3200 DIRECT TEGAE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD SE OMIGY, RT, 313.16 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 313.08 FAF: IPEMY DIST FAF TO MAP: 5.48 DIST FAF TO THLD: 5.48
4. MIN ALT: OMIGY 3200, IPEMY 3200, HIPAV/2.60 NM TO RW31 2240*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.50 GS ANT:
6. MIN GP INCPT: 3200 GP ALT AT FAF : IPEMY 3200 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 45.1
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 46°C.
*LNAV ONLY
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY TO 1 1/4 SM.

ADDITIONAL FLIGHT DATA:

1856 TOWER 472650N/0944925W
1470 TREE 472842N/0945235W
CHART CIRCLING ICON.
CHART VDP AT 1.10 NM TO RW31*
*LNAV ONLY
WAAS CHANNEL #99711
REFERENCE PATH ID: W31A
CHART FAS OBST: 1529 TWR 472935N/0945544W.
HOLD NW, RT, 132.84 INBOUND
LTP HAE: 393.8 M



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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	1589	1/2	200	1589	1/2	200	1589	1/2	200	1589	1/2	200			
LNAV/VNAV DA	1825	1	436	1825	1	436	1825	1	436	1825	1	436			
LNAV MDA	1780	1/2	391	1780	1/2	391	1780	5/8	391	1780	1	391			
CIRCLING	1840	1	449	1860	1	469	1860	1 1/2	469	1960	2	569			

CHANGES - REASONS

1. UPDATED TAA RIGHT BASE CONTROLLING OBSTACLE MSL FROM "2500" TO "2501" AND NEW SECTOR ALTITUDE FROM "3500" TO "3600" - CANCELS NOTAM !FDC 09/0724.
2. REMOVED DME/DME RNP-0.3 NA AND ADDED EQUIPMENT REQUIREMENTS NOTE: RNP APCH - 8260.19 PARA 8-6-8 B(1).
3. REMOVED FAHRENHEIT VALUES FROM UNCOMPENSATED BARO-VNAV NOTE - IAW 8260.19H PARA 8-6-9 S.
4. CHANGED ALL REFERENCE OF MALSR TO ALS - IAW 8260.19H 8-6-11 O (3).
5. IN CHART NOTES CHANGED MILES TO SM - IAW 8260.3D 2-1-5 C.6.
6. MOVED BACK UP ALTIMETER SETTING AND ASSOCIATED NOTES TO PART C GENERAL REMARKS - AWOS ON WNSCR.
7. FAS DATA: CRC REMAINDER UPDATED FROM D433866D TO B9E1B94B - CHANGE IN LTP/FTP LONGITUDE AND FPAP.
8. LINE 7 ADDED: "20:1 IS CLEAR" AND "34:1 IS CLEAR" - NO PENETRATIONS EXIST ON RUNWAY 31.
9. UPDATED LNAV CAT C VISIBILITY FROM "1/2" TO "5/8" - BASED ON NEW VISIBILITY CRITERIA.
10. CHANGED CHART NOTE FROM: "FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE." TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY TO 1 1/4 SM." - BASED ON NEW VISIBILITY CRITERIA.
11. CHARTED CIRCLING ICON - CIRCLING UPDATED TO RNAV (GPS) RWY 13 FLIGHT CHECKED MINIMUMS.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, AMGR

Digitally signed by

DONALD H LANIER

Nov 08, 2019

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Nov 08, 2019

OFFICE

FICO

DATE

11/6/19

OFFICE

AJV-A431

DATE

06/14/2019

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	KBJI
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	473018.3915N
LTP/FTP LONGITUDE	0945535.1005W
LTP/FTP ELLIPSOIDAL HEIGHT	+03938
FPAP LATITUDE	473120.2515N
FPAP LONGITUDE	0945709.6520W
THRESHOLD CROSSING HEIGHT (TCH)	00045.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	B9E1B94B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04219
FPAP ORTHOMETRIC HEIGHT	+04219

