

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
BWP	RNAV (GPS) RWY 33	2	WAHPETON	ND		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
968	968	RNAV (GPS) RWY 33	1B	10/06/2022	5E	1995
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		20 FEBRUARY 2025	ROUTINE			

TERMINAL ROUTES

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 25-03.

<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>
GUVEY		COINS		TF	FB	1.00	062.82	13.47	3000
LOCKR		COINS		TF	FB	1.00	139.50	17.63	3000
PANIC		BRUKS		TF	FB	1.00	178.04	20.67	3000
BRUKS	IAF	JALIS	NOPT	TF	FB	1.00	241.17	9.25	3000
COINS	IAF	JALIS	NOPT	TF	FB	1.00	060.79	9.25	3000
JALIS	IF/IAF	SATYO		TF	FB	1.00	331.02	6.86	2500
SATYO	FAF	ZAKPU/2.50 NM TO RW33		TF	FB	0.30	330.97	2.14	
ZAKPU/2.50 NM TO RW33		RW33	MAP	TF	FO	0.30	330.97	2.50	
RW33	MAP	1218 MSL		CA			330.97		
1218 MSL		FAMMS		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT FAMMS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD SE JALIS, RT, 331.02 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3.	FAC:	330.97	FAF:	SATYO	DIST FAF TO MAP:	4.64
4.	MIN ALT:	JALIS 3000, SATYO 2500, ZAKPU/2.50 NM TO RW33 1800	DIST FAF TO THLD:	4.64		
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT:	0.62
6.	MIN GP INCPT:	2500	GP ALT AT PFAF:	SATYO 2500	OM:	GS ANT:
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR
8.	MSA FROM:	RW33 3100	TCH:	55.0	MM:	IM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 3 AND 21.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FFM ALTIMETER SETTING.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PANIC ON V2 NORTHWEST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FFM ALTIMETER SETTING AND INCREASE LPV DA TO 1290 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 1322 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 150.84 INBOUND.
CHART FAS OBST: 1069 TREE 461326N/0963550W.
CHART VDP AT 1.03 NM TO RW33.
WAAS CHANNEL # 77930
REFERENCE PATH ID: W33A
LTP HAE: 267.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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	1218	3/4	250	1218	3/4	250	1218	3/4	250	1218	3/4	250			
LNAV/VNAV DA	1250	7/8	282	1250	7/8	282	1250	7/8	282	1250	7/8	282			
LNAV MDA	1320	1	352	1320	1	352	1320	1	352	1320	1	352			
CIRCLING	1520	1	552	1520	1	552	1660	2	692	1660	2 1/4	692			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED FROM BANEY TO COINS TO LOCKR TO COINS – REMOVED THE FIX BANEY TO ALLEVIATE CONFUSION WITH ANOTHER NEARBY FIX, PER FPT.
2. TERMINAL ROUTES: CHANGED ZAKPU TO RW33 COURSE FROM 330.96 TO 330.97 – NEW EVALUATION.
3. TERMINAL ROUTES: CHANGED CA LEG FROM RW33 TO 1216 MSL TO RW33 TO 1218 MSL – NEW EVALUATION.
4. TERMINAL ROUTES: CHANGED DF LEG FROM 1216 MSL TO FAMMS TO 1218 MSL TO FAMMS – NEW EVALUATION.
5. NOTES: REMOVED WHEN CIRCLING RWY 15 NA AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD – 20:1 PENETRATIONS MITIGATED.
6. PROFILE VIEW LINE 2: ADDED MAX 6000 – 8260.19J 8-6-7(B)2.
7. PROFILE VIEW LINE 4: REMOVED *, AND *LNAV ONLY FROM ADDITIONAL FLIGHT DATA – NO LONGER REQUIRED.
8. PROFILE VIEW LINE 5: CHANGED 250 HAT FROM 0.61 TO 0.62 – 8260.19J 8-6-7E(3).
9. PROFILE VIEW LINE 7: ADDED 20:1 IS CLEAR – NO 20:1 PENETRATIONS.
10. CHART NOTE: CHANGED FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FERGUS FALLS ALTIMETER SETTING: INCREASE LPV DA TO 1292 AND ALL VISIBILITIES 3/8 SM; INCREASE LNAV/VNAV DA TO 1326 AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDA 80 FEET AND VISIBILITY LNAV ALL CATS 3/8 SM AND CIRCLING CAT C AND D 1/4 SM TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FFM ALTIMETER SETTING AND INCREASE LPV DA TO 1290 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 1322 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM – NEW EVALUATION AND UPDATED TO CURRENT FORMAT.
11. VDP NA: CHANGED FROM "BARO-VNAV AND VDP NA WHEN USING FERGUS FALLS ALTIMETER SETTING" TO "BARO-VNAV AND VDP NA WHEN USING FFM ALTIMETER SETTING – 8260.19J 8-6-10.E(9).
12. ADDITIONAL FLIGHT DATA: CHANGED FROM HOLD NW, RT, 150.85 INBOUND TO HOLD NW, RT, 150.84 INBOUND.
13. ADDITIONAL FLIGHT DATA CHART VDP AT: CHANGED FROM 1.09 NM TO RW33 TO 1.03 NM TO RW33 – UPDATED MINIMUMS.
14. ADDITIONAL FLIGHT DATA: ADDED FAS OBST: 1069 TREE 461326N/0963550W – 8260.19J 8-6-11(C).
15. LOWERED LNAV/VNAV DA/HAT FROM 1252/284 TO 1250/282 – NEW EVALUATION.
16. LOWERED LNAV MDA/HAT FROM 1340/372 TO 1320/352 – NEW EVALUATION.
17. FAS DATA: CRC REMAINDER: CHANGED FROM 408761CB TO CBB51297 – FPAP LAT/LONG CHANGED FROM 461537.5200N/0963703.0200W TO 461537.5225N/0963703.0250W.

12/10/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/31/24

1. CHANGED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

COORDINATED WITH:

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

FLIGHT CHECKED BY
GLEN BURSON FREEMAN

Digitally signed by
ALLAN WILL
Dec 16, 2024

OFFICE
FIOG
DATE
10/30/2024

DEVELOPED BY
RAYMOND JOHNSON

Digitally signed by
RAYMOND R JOHNSON
Dec 10, 2024

OFFICE
AJV-A423
DATE
09/19/2024

APPROVED BY
ALLAN WILL

Digitally signed by
ALLAN WILL
Dec 16, 2024

OFFICE
AJV-A423
DATE
01/16/2025
TITLE
MANAGER



AIRPORT ID
BWP

PROCEDURE NAME
RNAV (GPS) RWY 33

ORIGINAL/AMENDMENT
2

CITY
WAHPETON

STATE
ND

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBWP
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	461416.1930N
LTP/FTP LONGITUDE	0963610.6725W
LTP/FTP ELLIPSOIDAL HEIGHT	+02677
FPAP LATITUDE	461537.5225N
FPAP LONGITUDE	0963703.0250W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	CBB51297
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02945
FPAP ORTHOMETRIC HEIGHT	+02945

