

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> STC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ST CLOUD	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1031	<u>TDZE</u> 1022	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 12/02/2021
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<u>REQUIRED EFFECTIVE DATE</u> 03/21/2024	<u>MAG VAR</u> 3E <u>EPOCH YEAR</u> 1995 <u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OKOMY		KABEY		TF	FB	1.00	129.63	15.63	3300
JAPNU	IAF	HUBOX	NOPT	TF	FB	1.00	327.04	5.00	3000
KABEY	IAF	HUBOX	NOPT	TF	FB	1.00	145.96	5.00	3000
HUBOX	IF/IAF	ILUDE		TF	FB	1.00	056.09	5.85	2700
ILUDE	FAF	RW05	MAP	TF	FO	0.30	056.22	5.15	
RW05	MAP	1431 MSL		CA			056.22		
1431 MSL		JALTI		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT JALTI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
2. HOLD SW HUBOX, RT, 056.11 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 056.22
- FAF: ILUDE
- DIST FAF TO MAP: 5.15
- DIST FAF TO THLD: 5.15
4. MIN ALT: HUBOX 3000, ILUDE 2700
5. DIST TO THLD FROM OM:
- MM:
- IM:
- 150 HAT:
- GS ANT:
6. MIN GP INCPT:
- GP ALT AT FAF:
- OM:
- MM:
- IM:
7. GP ANGLE:
- 34:1: IS NOT CLEAR
- 20:1: IS CLEAR
- TCH:
8. MSA FROM: RW05 3500



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OKOMY ON V2 NORTHWEST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITTLE FALLS ALTIMETER SETTING, INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/4 SM.
CHART NOTE: VDP NA WHEN USING LITTLE FALLS ALTIMETER SETTING.
CHART SPEED ICON IN PLANVIEW AT JAPNU: MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT KABEY: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

ILUDE TO RW05 3.00/40
HOLD NE, RT, 236.44 INBOUND.
FAS OBST: 1244 AAO 453003N/0940900W.
1280 AAO 453024N/0941015W.
CHART VDP AT 1.40 NM TO RW05.

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
LNAV MDA	1500	1	478	1500	1	478	1500	1 3/8	478		NA				
CIRCLING	1500	1	469	1500	1	469	1620	1 1/2	589		NA				

CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED "DWN VORTAC TO JAPNU (TF) (FB) (RNP 2.00) 025.57 / 19.82 3000" - DWN VOR MON.
2. TERMINAL ROUTES: UPDATED COURSE AND DISTANCE FROM HUBOX TO ILUDE ROUTE FROM "056.11 / 6.00" TO "056.09/5.85" - PFAF, ILUDE, MOVED 889 FT SW TO ALIGN PROCEDURE WITH 3.00 VDA.
3. TERMINAL ROUTES: UPDATED COURSE AND DISTANCE ON ILUDE TO RW05 FROM "056.20 / 5.00" TO "056.22/5.15" - PFAF LOCATION ADJUSTED FOR 3.00 VDA.
4. TERMINAL ROUTES: UPDATED COURSE FOR RW05 MAP TO 1431 MSL FROM "056.20" TO "056.22" - PFAF LOCATION ADJUSTED FOR 3.00 VDA.
5. PROFILE LINE 2: ADDED MAX HOLDING 6000 – REQUIRED IAW 8260.19I, 8-6-7, B(2).
6. PROFILE LINE 3: FAC CHANGED FROM "56.20" TO "56.22", DISTANCE FAF TO MAP AND DISTANCE FAF TO THLD FROM "5.00" TO "5.15" - PFAF LOCATION ADJUSTED FOR 3.00 VDA.
7. PROFILE LINE 7: ADDED 20:1 IS CLEAR - NO 20:1 PENETRATIONS EXIST AND IAW 8260.19 8-6-7G.
8. CHART NOTE: DELETED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH – GPS" TO PBN REQUIREMENTS NOTE - IAW 8260.19I PARA 8-6-8.B (2).
9. CHART NOTE: UPDATED "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITTLE FALLS ALTIMETER SETTING: INCREASE ALL MDA 80 FEET AND VISIBILITY LNAV CAT C 1/8 SM AND CIRCLING CAT C 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITTLE FALLS ALTIMETER SETTING, INCREASE ALL MDAS 80 FEET AND VISIBILITY LNAV CAT C 1/4 SM" - IAW 8260.3E, TABLE 3-3-1.
10. CHART PLANVIEW NOTE: DELETE PROCEDURE NA FOR ARRIVAL ON DWN VORTAC AIRWAY RADIALS 321 CW 078 - DWN VOR MON.
11. CHART NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT JAPNU: MAX 210 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT KABEY: MAX 210 KIAS" – PER FPT TO MEET LEG LENGTH REQUIREMENTS AND AVOID MOVEMENT OF FIXES.
12. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM "1230 AAO 453032N/0940908W" TO "1244 AAO 453030N/0940900W" - NEW CONTROLLING OBSTACLE.
13. ADDITIONAL FLIGHT DATA: UPDATED 7:1 OBSTACLE FROM "1270 AAO 453025N/0941020W" TO "1280 AAO 453024N/941015W" - NEW OBSTACLE EVALUATION.
14. ADDITIONAL FLIGHT DATA: ADDED "ILUDE TO RW05 3.00/40" - IAW 8260.19I, PARA 8-6-10.O(1).
15. MINIMUMS: UPDATED LNAV ALL CATS MDA/HAT FROM "1480/458" TO "1500/478" – NEW CONTROLLING OBSTACLES.



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☐

HAI

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NBAA

☒

OTHER:

ZMP, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
DAVID DANNER
Jan 04, 2024

OFFICE

DATE

DEVELOPED BY

DAVID DANNER (MATTHEW W.TOWNSEND)

Digitally signed by
DAVID DANNER
Jan 04, 2024

OFFICE
AJV-A421

DATE
11/15/2023

APPROVED BY

DAVID DANNER

Digitally signed by
DAVID DANNER
Jan 04, 2024

OFFICE
AJV-A421

DATE
03/21/2024

TITLE
MANAGER

