

**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> TOWER MUNI	<u>AIRPORT ID</u> 12D	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> TOWER	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1370	<u>TDZE</u> 1369	<u>SUPERSEDED</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 07/18/2019	<u>MAG VAR</u> 1W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

**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>
UDORY		MACLE		TF	FB	1.00	291.00	59.87	4000
HIB VOR/DME		MACLE		TF	FB	1.00	014.01	23.83	4000
INKER	IAF	AZARA		TF	FB	1.00	106.94	18.85	4000
MACLE	IAF	AZARA		TF	FB	1.00	358.10	7.20	4000
AZARA	IF	FLOGG		TF	FB	1.00	087.98	6.02	3200
FLOGG	FAF	RW08	MAP	TF	FO	0.30	088.09	5.63	
RW08	MAP	1770 MSL		CA			088.09		
1770 MSL		ELO DME		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LNAV: RW08

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT ELO DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT AZARA

3. FAC: 088.09

FAF: FLOGG

DIST FAF TO MAP: 5.63

DIST FAF TO THLD: 5.63

4. MIN ALT: AZARA 4000, FLOGG 3200

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 NOT CLEAR

TCH:

8. MSA FROM: RW08 3300

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: USE COOK ALTIMETER SETTING.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HIB VOR/DME AIRWAY RADIALS 317 CW 338, AND ARRIVALS AT UDORY ON V13 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

CHART COOK MUNI AWOS-3.  
FLOGG TO RW08: 3.00/40  
CHART P-205  
FAS OBST: 1640 AAO 474845N/0922333W.  
HOLD E, LT, 291.12 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☒

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	1940	1	571	1940	1	571	1940	1 5/8	571		NA				



CHANGES - REASONS

1. LNAV CAT A/B/C MDA/HAT DECREASED FROM 1960/591 TO 1940/571; CAT C VISIBILITY INCREASED FROM 1 1/2 TO 1 5/8. - NEW LNAV CONTROLLING OBSTACLE; NEW INOP VISIBILITY TABLE USED.
2. TERMINAL ROUTES: UDORY TO MACLE RNP UPDATED FROM 2.00 TO RNP 1.00; COURSE AND DISTANCE UPDATED FROM 292.03/60.72 TO 291.00/59.87. - IAW 8260.58A, CHG 1; IAF MACLE MOVED PER FPT.
3. TERMINAL ROUTES: HIB VOR/DME TO MACLE RNP UPDATED FROM 2.00 TO 1.00; COURSE AND DISTANCE UPDATED FROM 012.67/25.96 TO 014.01/23.83. - IAW 8260.58A, CHG 1; IAF MACLE MOVED PER FPT.
4. TERMINAL ROUTES: MACLE TO AZARA COURSE AND DISTANCE UPDATED FROM 358.09/5.00 TO 358.10/7.20. - IAF MACLE MOVED PER FPT.
5. TERMINAL ROUTES: AZARA TO FLOGG RNP UPDATED FROM 0.50 TO 1.00; DISTANCE UPDATED FROM 5.10 TO 6.02. - IAW 8260.19H PARA 4-6-10 F; FAF AZARA MOVED TO ACHIEVE GPA/TCH IAW 8260.58A.
6. TERMINAL ROUTES: FLOGG TO RW08 DISTANCE UPDATED FROM 5.55 TO 5.63. - FAF AZARA MOVED TO ACHIEVE GPA/TCH IAW 8260.58A.
7. TERMINAL ROUTES: MISSED APPROACH RW08 TO FLWER UPDATED TO RW08 TO 1770 MSL. - CA LEG ADDED IAW 8260.58A 3-5-2; MISSED APPROACH INSTRUCTIONS UPDATED PER FPT.
8. TERMINAL ROUTES: MISSED APPROACH FLWER TO ELO VOR/DME (TF) UPDATED TO 1770 MSL TO ELO DME (DF); RNP 1.00. - MISSED APPROACH INSTRUCTIONS UPDATED PER FPT.
9. MISSED APPROACH INSTRUCTIONS UPDATED FROM "CLIMB TO 4000 DIRECT FLWER AND VIA 091.13 TRACK TO ELO VOR/DME AND HOLD" TO "CLIMB TO 4000 DIRECT ELO DME AND HOLD." - UPDATED PER FPT; ELO VOR DECOMMISSIONING.
10. LINE 3: DIST FAF TO MAP UPDATED FROM 5.55 TO 5.63. - FAF AZARA MOVED TO ACHIEVE GPA/TCH 3.00/40.0.
11. CHART NOTE: "USE COOK ALTIMETER SETTING, WHEN NOT RECEIVED, USE ELY ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE" UPDATED TO "USE COOK ALTIMETER SETTING." - ALTERNATE ALTIMETER MOVED TO FORM 8260-9 FOR CONTINGENCY USE.
12. LINE 7: 34:1 IS CLEAR UPDATED TO 34:1 IS NOT CLEAR. - VISUAL SURFACES CANNOT BE VERIFIED; NO RUNWAY SURVEY IN AIRNAV.
13. ADDITIONAL FLIGHT DATA: FLOGG TO RW08: 3.05/40 TO 3.00/40. - FAF AZARA MOVED TO ACHIEVE GPA/TCH IAW 8260.58A.
14. ADDITIONAL FLIGHT DATA: FAS OBST UPDATED FROM 1649 AAO TO 1640 AAO. - NEW LNAV CONTROLLING OBSACLE.
15. "CHART NOTE: PROCEDURE NA FOR ARRIVALS ON HIB VOR/DME AIRWAY RADIALS 317 CW 338 AND AT INKER VIA V129 NORTH BOUND" UPDATED TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HIB VOR/DME AIRWAY RADIALS 317 CW 338, AND ARRIVALS AT UDORY ON V13 NORTHEAST BOUND." - IAW 8260.19H 8-2-5 E.
16. CHART NOTE: PROCEDURE NA AT NIGHT ADDED. - UNABLE TO VERIFY VISUAL SURFACE CLEAR DUE TO LACK OF SURVEY.

COORDINATED WITH:

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

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by

WARDELL HENNING

Sep 30, 2019

OFFICE

FICO

DATE

9/25/19

DEVELOPED BY

WARDELL HENNING (BARBARA GORMAN)

Digitally signed by

WARDELL HENNING

Sep 30, 2019

OFFICE

AJV-A432

DATE

06/05/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

WARDELL HENNING

Sep 30, 2019

OFFICE

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DATE

TITLE

MANAGER