

**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 ID</u> GOV	<u>PROCEDURE NAME</u> VOR RWY 14	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> GRAYLING	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 1158	<u>TDZE</u> 1154	<u>SUPERSEDED</u> VOR RWY 14	<u>ORIGINAL/AMENDMENT</u> 2D	<u>DATED</u> 09/09/2021
<u>FACILITY</u> CGG	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> 12/26/2024	<u>MAG VAR</u> 6W
				<u>EPOCH YEAR</u> 2000
				<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>
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**MISSED APPROACH**

**MAP:**

CGG VOR

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 3500 IN CGG VOR HOLDING PATTERN.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT R      SIDE OF COURSE      308.09      **OUTBOUND** 2800      FT WITHIN 10      MILES OF CGG VOR (IAF)
- 2.
3. **FAC:** 128.09      **FAF:**      **DIST FAF TO MAP:**      **DIST FAF TO THLD:**
4. **MIN ALT:** GORDN INT 1880\*
8. **MSA FROM:** CGG VOR 170-330 3500, 330-170 3100



**EQUIPMENT REQUIREMENTS NOTES:**

RADAR REQUIRED FOR PROCEDURE ENTRY.

**NOTES:**

CHART NOTE: CIRCLING RWY 5, 23, 32 NA AT NIGHT.  
 CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOUGHTON LAKE ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET AND S-14 VISIBILITY CAT B 1/4 SM, CATS C AND D 1/2 SM AND CIRCLING CAT B 1/4 SM, CAT C 1/2 SM, CAT D 1/4 SM AND GORDN FIX MINIMUMS: S-14 CATS C AND D 1/4 SM AND CIRCLING CAT C AND D VISIBILITY 1/4 SM.  
 \*1940 WHEN USING HOUGHTON LAKE ALTIMETER SETTING.

**ADDITIONAL FLIGHT DATA:**

CHART: MAX 6000 AT CGG VOR.  
 GORDN TO RW14: 3.00/30.0.  
 HOLD NW, RT, 128.09 INBOUND.  
 CHART FAS OBST: 1403 TREE 444127N/0844630W.  
 1454 AAO 444348N/0844627W.  
 CHART R-4201 A AND B.  
 CHART R-4202.  
 FAC CROSSES RWY C/L EXTENDED 4120 FT FROM THLD.

**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
S-14	1880	1	726	1880	1	726	1880	2	726	1880	2	726			
CIRCLING	1880	1	722	1880	1	722	1880	2	722	1960	2 1/2	802			
GORDN FIX MINIMUMS (ADF REQUIRED)															
S-14	1660	1	506	1660	1	506	1660	1 3/8	506	1660	1 3/8	506			
CIRCLING	1660	1	502	1720	1	562	1800	1 3/4	642	1960	2 1/2	802			



**CHANGES - REASONS**

1. INCORPORATED CHANGES FROM P-NOTAMS FOR AMDT 2A, 2B, 2C, 2D INTO FORM – IAW 8260.19I, 8-3-4.C (3).
2. EQUIPMENT REQUIREMENT NOTES: ADDED "RADAR REQUIRED FOR PROCEDURE ENTRY" - IAW 8260-19I, 8-6-8A.
3. TERMINAL ROUTES: REMOVED ELBOT AND CARGA FEEDERS FROM PROCEDURE – MOP AND GLR VOR MON DECOMMISSIONING.
4. PROFILE LINE 1: OUTBOUND COURSE CHANGED FROM "307.09" TO "308.09" - FAC CHANGED TO MITIGATE 20:1 PENETRATIONS.
5. PROFILE LINE 3: FAC CHANGED FROM "127.09" TO "128.09" – FAC CHANGED TO MITIGATE 20:1 PENETRATIONS.
6. CHART NOTE: CHANGED FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOUGHTON LAKE ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND VISIBILITY S-14 AND CIRCLING CATS B/C/D 1/2 SM AND GORDN FIX MINIMUMS: S-14 CAT C AND CIRCLING CAT D 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOUGHTON LAKE ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET AND S-14 VISIBILITY CAT B 1/4 SM, CATS C AND D 1/2 SM AND CIRCLING CAT B 1/4 SM, CAT C 1/2 SM, CAT D 1/4 SM AND GORDN FIX MINIMUMS: S-14 CATS C AND D 1/4 SM AND CIRCLING CAT C AND D VISIBILITY 1/4 SM" – IAW 8260.3E.1, TABLES 3-3-1, 3-3-3, 3-3-4 AND 3-3-7.
7. CHART NOTE: CHANGED "RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" TO "RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" – IAW 8260.19I, 8-6-11K(3).
8. ADDITIONAL FLIGHT DATA: CHANGED "CHART MAXIMUM PROCEDURE TURN ENTRY ALTITUDE 6000" TO "CHART MAX 6000 AT CGG VOR" – IAW 8260-19I, 8-6-10N.
9. ADDITIONAL FLIGHT DATA: ADDED "GORDN TO RW14: 3.00/30.0" – IAW 8260.19I, 8-6-10.O(1).
10. ADDITIONAL FLIGHT DATA: CHANGED "HOLD NW, RT, 127.09" TO "HOLD NW, RT, 128.09" - FAC CHANGED TO MITIGATE 20:1 PENETRATIONS.
11. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBSTACLE FROM "CHART FAS OBST: 1419 TREE 444104N/0844625W" TO "CHART FAS OBST: 1403 TREE 444127N/0844630W" – UPDATED MITRE 3ARCSEC DEM DATA.
12. ADDITIONAL FLIGHT DATA: ADDED 7:1 AAO "1454 AAO 444348N/0844627W" – 7:1 OBSTACLE IDENTIFIED DURING NEW OBSTACLE EVALUATION.
13. ADDITIONAL FLIGHT DATA: UPDATED "FAC CROSSES RWY C/L EXTENDED 3731 FROM THLD" TO "FAC CROSSES RWY C/L EXTENDED 4120 FT FROM THLD – UPDATED FINAL APPROACH COURSE.
14. MINIMUMS: AMENDED S-14 CAT D VISIBILITY FROM "2 1/4" TO "2" – IAW 8260.3E.1, TABLE 3-3-1.
15. MINIMUMS: AMENDED S-14 GORDN FIX ALL CATS MDA/HAT FROM "1720/566" TO "1660/506" – NEW OBSTACLE EVALUATION.
16. MINIMUMS: AMENDED S-14 GORDN FIX CAT C VISIBILITY FROM "1 5/8" TO "1 3/8", CAT D VISIBILITY FROM "1 3/4" TO "1 3/8" - IAW 8260.3E.1, TABLE 3-3-1.
17. MINIMUMS: AMENDED GORDN FIX CIRCLING MDA/HAA CAT A FROM "1720/562" TO "1660/502" – NEW OBSTACLE EVALUATION.
18. MINIMUMS: AMENDED GORDN FIX CIRCLING MDA/HAA CAT C FROM "1760/602" TO "1800/642" – NEW OBSTACLE EVALUATION.

11/14/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/31/23.  
 1. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 12/26/2024 -HARD DATED.

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: ZMP, AMGR, GOV ATCT

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*

**ALLAN WILL**

**OFFICE**

**DATE**

Nov 15, 2024

*Digitally signed by*

**ALLAN WILL**

**OFFICE**

**DATE**

AJV-A421

08/31/2023

Nov 15, 2024

**DEVELOPED BY**

JASON KRETSCHMER (RONALD K. STROBACH)

**APPROVED BY**

JASON KRETSCHMER

*Digitally signed by*

**ALLAN WILL**

**OFFICE**

**DATE**

**TITLE**

Nov 15, 2024

AJV-A421

01/25/2024

MANAGER

