

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
CARGA	LUMSE (FB)	353.07 / 7.56	3500	LNAV: RW14			
BARAK	EGELE (FB)	085.03 / 11.22	3500				
GLR VOR/DME	EFFIT (FB)	222.50 / 9.89	3000	CLIMBING RIGHT TURN TO 3000 DIRECT MAMER AND HOLD.			
LUMSE (IAF)	MAMER (NOPT) (FB)	051.90 / 5.00	3000				
EGELE (IAF)	MAMER (NOPT) (FB)	085.22 / 5.00	3000	ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1391 TREE 444152N/0844627W CHART R-4201 A & B. CHART R-4202. CHART VDP AT 1.63 MILES TO RW14. HOCEY TO RW14: 3.05/45. CHART TDZE 1151 CHART APT ELEV 1156			
EFFIT (IAF)	MAMER (NOPT) (FB)	232.02 / 5.00	3000				
MAMER (IF/IAF)	HOCEY (FB)	141.96 / 6.12	3000				

  

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD NW MAMER, LT, 141.96 INBOUND, 3000 FT. IN LIEU OF PT (IAF)	
3. FAC: 142.03 FAF: HOCEY	DIST FAF TO MAP: 5.58 THLD: 5.58
4. MIN. ALT: MAMER 3000, HOCEY 3000, GUYEG/2.20 NM TO RW14 1880	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____	
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR	
8. MSA FROM: RW14 3500	

  

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A	STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1700	1	549	1700	1	549	1700	1 1/2	549	1700	1 3/4	549			
CIRCLING	1720	1	564	1720	1	564	1720	1 1/2	564	1760	2	604			

  

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 CHART NOTE: VDP NA WHEN USING HOUGHTON LAKE ALTIMETER SETTING.  
 SEE 8260-10.

  

CITY AND STATE  GRAYLING, MI	ELEVATION: 1156 TDZE: 1151	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 15 JAN 2009	SUP:
	AIRPORT NAME: GRAYLING AAF			AMDT: NONE
				DATED

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**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOUGHTON LAKE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

CITY AND STATE  
**GRAYLING, MI**

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FACILITY  
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QUALITY  
CHECKED  
2

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[illegible]

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SUSAP KGOVK5FR14      R      030RW14 K5PG0GY M 031TF
SUSAP KGOVK5FR14      R      040MAMERK5EA0EYM R010DF
SUSAP KGOVK5FR14      R      050MAMERK5EA0EE HL020HM
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14200022	01195	-305	B JS
	+ 03000		B JS
14200040	+ 03000		B JS

[illegible][illegible]

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	BARAK	BARAK	010		IF		FB				
	BARAK	EGELE	020	IAF	TF		FB	2.0	085.0(079T)	011.2	03500
	BARAK	MAMER	030		TF		FB	1.0	085.2(079T)	005.0	03000
	CARGA	CARGA	010		IF		FB				
	CARGA	LUMSE	020	IAF	TF		FB	2.0	353.1(347T)	007.6	03500
	CARGA	MAMER	030		TF		FB	1.0	051.9(046T)	005.0	03000
	GLR	GLR	010		IF		FB				
	GLR	EFFIT	020	IAF	TF		FB	2.0	222.5(217T)	009.9	03000
	GLR	MAMER	030		TF		FB	1.0	232.0(226T)	005.0	03000
	MAMER	MAMER	010		HF	L	FB		142.0(136T)	004.0	03000
		MAMER	010	FACF	IF		FB				03000
		HOCEY	020	FAF	TF		FB	0.5	142.0(136T)	006.1	03000
		GUYEG	021	SDF	TF		FB	0.3	142.0(136T)	003.4	01880
		RW14	030	MAP	TF		FO	0.3	142.0(136T)	002.2	01195

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	MAMER	040		DF	R	FO	1.0			03000
	MAMER	050		HM	L	FO	2.0	142.0(136T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GLR	N450044.94	W0844215.41	N4500.749	W08442.257
	BARAK	N444616.28	W0851756.99	N4446.271	W08517.950
	CARGA	N443828.48	W0845815.23	N4438.475	W08458.254
	EFFIT	N445247.64	W0845031.77	N4452.794	W08450.530
	EGELE	N444823.32	W0850229.11	N4448.389	W08502.485
	GUYEG	N444229.15	W0844619.41	N4442.486	W08446.324
	HOCEY	N444455.17	W0844936.90	N4444.920	W08449.615
	LUMSE	N444550.57	W0850037.75	N4445.843	W08500.629
	MAMER	N444919.22	W0845535.06	N4449.320	W08455.584
	RW14	N444054.08	W0844411.04	N4440.901	W08444.184

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW14	01150		45

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