

U.S. Department of Transportation  
Federal Aviation Administration

**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR 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	LNAV: RW23  CLIMBING LEFT TURN TO 3000 DIRECT EMI VORTAC AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 297.64 INBOUND  FAS OBST: 558 TREE 392558N/0772011W CHART: 639 TREE 392620N/0771937W
BINNS (IAF) (40E) (43A)	GISGE (TF) (FB) (40E) (41E) (43I)	223.01/16.46	2800	
EMI VORTAC (IAF) (40V) (43A)	GISGE (TF) (FB) (40E) (41E) (43I)	297.64/11.63	2800	
MULRR (IAF) (40E) (43A)	GISGE (TF) (FB) (40E) (41E) (43I)	135.28/7.07	2800	
GISGE (IF) (40E) (43I)	SHUEY (TF) (FB) (40E) (43F)	228.58/6.15	1900	
RW23 (MAP) (40G) (41Y) (43M)	703 MSL (CA) (42M)	228.53	3000	
703 MSL	EMI VORTAC (DF) (FO) (40V) (41Y) (43H)			

1. PT. NA SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
2. PROFILE STARTS AT GISGE
3. FAC: 228.53 FAF: SHUEY DIST FAF TO MAP: 4.85 THLD: 4.85
4. MIN. ALT: GISGE 2800, SHUEY 1900, ZITIM/1.90 NM TO RW23 (40E) (42S) 1020
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: RW23 3400

ROUTE TYPE: A, P  
APPROACH ROUTE QUALIFIER 2: S

ZITIM TO RW23: 3.41/50

MAG VAR: 8 W EPOCH YEAR: 80

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	820	3/4	524	820	3/4	524	820	1 1/2	524	820	1 3/4	524			
CIRCLING		900	1	597	900	1	597	900	1 1/2	597	1080	2 1/2	777			

NOTES: CHART NOTES: DME/DME RNP-0.3 NA

# CAT D 800 - 2 1/2

INOPERATIVE TABLE DOES NOT APPLY TO CAT C.

WHEN VGSI INOP, CIRCLING TO RWY 5 AND RWY 30 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT EMI VORTAC ON AIRWAY RADIALS 269 CW 299

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT

CITY AND STATE  FREDERICK, MD	ELEVATION: 303 TDZE: 296	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  MAR 17 2005 RNAV (GPS) Y RWY 23, AMDT 1	SUP:
	AIRPORT NAME:  FREDERICK MUNI			AMDT: ORIG
				DATE 25 DEC 2003