

# **ARINC 424 NDB**

**Draft 4 of Supplement 23  
Discussion/Proposal**

**Location: Virtual  
04-08 October 2021**

## **GNSS MEA**

**V.1**

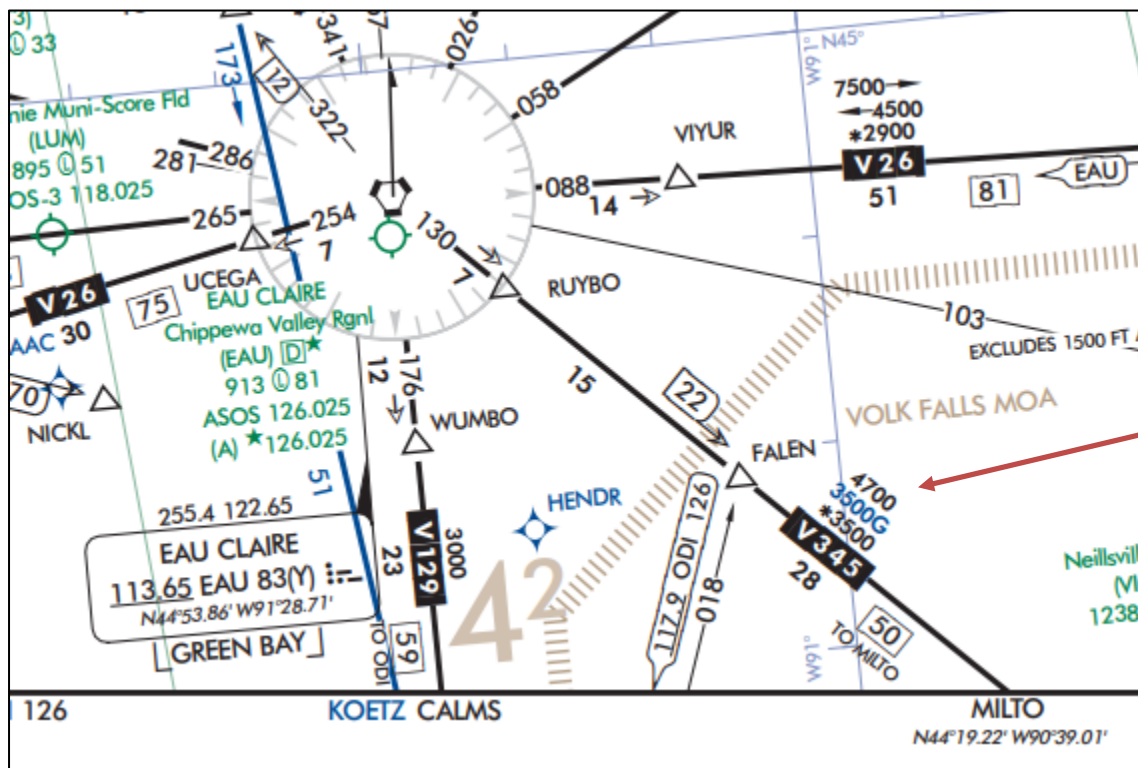
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<b>SUMMARY</b>
The FAA is publishing a separate GNSS MEA on Victor Airways and GPS routes. NGA is proposing to capture these new MEA's in the .xml.

## 1.0 INTRODUCTION/ BACK GROUND

The FAA is putting GNSS MEA altitudes on both Victor Airways and GPS routes. On the chart they are depicted in Blue with a 'G' after the altitude. In many cases the GNSS MEA is different than the conventional MEA. Please see the snippet of the airway source from the FAA Part-95 document and the airway segment depicted on the Enroute Low chart L-14 below:

§95.6345 VOR FEDERAL AIRWAY V345		
FROM	TO	MEA
IS AMENDED TO READ IN PART		
DELLS, WI VORTAC *4700 - MCA MILTO, WI FIX, NWBND **2800 - MOCA	*MILTO, WI FIX	**3500
MILTO, WI FIX <del>*2500 - MOCA</del> <b>*3500 - GNSS MEA</b>	EAU CLAIRE, WI VORTAC	*4700



## 2.0 DISCUSSION and or ACTION

NGA would like to propose adding a GNSS MEA altitude to the existing Airway altitudes in the .xml. The legacy format has no more room in the primary record for a new 5 character altitude and would need to be put in the continuation record.

## 3.0 Changes as depicted (Track Changes is Helpful)

This would be a new definition:

5.321 GNSS MEA (GNSS MEA)

Definition/Description: GNSS MEA found on conventional and GNSS airways.

Source/Content: GNSS MEAs are derived from government sources.

Used On: Enroute Airway Records

Length: 5 characters

Character Type: Alpha/numeric

Examples: 03500, 18000, FL180

#### **4.0 XML ARINC 424 changes as depicted (Track Changes is Helpful)**

NGA is ready to work with the .xml subcommittee to add GNSS MEA to the draft. The field will need to be 5 characters long and should be titled “GNSS MEA”.