

ACF DME Work Group Update

Presented to: Aeronautical Charting Forum

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Federal Aviation
Administration



Background

- **Recommendation Document 14-02-284, DME Facilities – Charting and MAGVAR Issues, introduced in ACF 14-02**
- **After much discussion, the issue was referred to a work group**
- **Work group met February 10, 2015**



Scope

- **VOR MON program plans to remove ~ 308 VOR by 2025**
 - 155 are VOR/DME (DME to remain for RNAV)
 - 141 are VORTAC (Tacan will remain and be charted)
- **Investigation of a program to add DMEs for RNAV use to fill coverage gaps**

Key Understandings

- **NASR can add DME as a parent NavAid. MagVar is part of the entry (could use “0”)**
- **DMEs must be in Aircraft Nav Database as a NavAid**
- **DME selection algorithms in FMS/FMC are proprietary and vary by manufacturer**



Outcomes

- **DMEs support conventional uses (fix identification, progress along airway, etc.) and RNAV use (DME/DME positioning)**
- **DMEs supporting conventional uses will be charted. Form 8260-2 can identify DMEs supporting conventional uses**
- **DMEs only supporting RNAV use not charted on Low or High charts. Included in NASR**

Outcomes (continued)

- **DMEs need to retain 3 letter ident. System retrieves DMEs by ident**

Future Actions

- **Possibility of a flag in NASR of how DME is used and what product to publish it on. Use can be tied with identifier**
- **Verify “don’t chart” through avionics manufacturers to assure there is no customer impact**
- **Verify DME as a parent facility in NASR will be assigned a FOM and added to aircraft Nav Database**