NAVAID Service Volumes (DME, VOR and TACAN)

MEETING 19-02

Dale Courtney, FAA/AJW-292, provided an update on upcoming changes to NAVAID service volumes. The VOR MON Program is in the process of implementing two new VOR standard service volumes (SSV) in order to achieve VOR service within 70 nautical miles versus 40 above 5,000 feet AGL. The new NAVAID codes are VOR Low (VL) and VOR High (VH). Along with that effort, the NextGen DME Program is going to implement two new DME SSVs to support DME-DME-RNAV service. This change will require the establishment of two new DME NAVAID codes: Expanded Low (DL) and Expanded High (DH). The new NAVAID SSVs will be in addition to the Legacy SSVs of Terminal (T), Low (L) and High (H) that will continue to be maintained. (See Slides 6-8)

Dale said this effort is still in discussion and asked the audience for input. He wants to determine what challenges exist for the implementation of SSVs for collocated NAVAIDs. He also wants input on the best way to source the SSVs in the National Airspace System Resource (NASR) database.

Scott Jerdan, FAA/AJV-A310, asked if the two components of a collocated NAVAID, e.g., a VOR/DME, could potentially have two different SSVs. Dale replied that yes, a VOR/DME could have one SSV for the VOR portion and a different SSV for the DME portion. Scott said that significant changes to NASR will be necessary in order for SSVs to be assigned separately to each NAVAID component. This database change will require lead time to accomplish and AJV-A will need to know as soon as possible what exactly is necessary to support the change. Dale shared that discussions were still in process to determine the database requirements.

Valerie Watson, FAA/AJV-A250, asked Dale for timeline of these changes. Dale responded that they do not have a hard timeline. They are first working to ensure that Flight Management Systems will work correctly with the new service volumes. Once that is solved, they can begin work on NASR changes. Scott reiterated that NASR changes take a long time to implement and coordination still needs to be done to determine exactly what changes will be required.