

NavAid Service Volumes (DME, VOR and TACAN



Federal Aviation
Administration



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BACKGROUND

- **VOR MON Program will implement new VOR service volumes to achieve the advertised VOR service above 5,000 feet AGL**
- **NextGen DME Program will implement new DME service volumes to achieve advertised DME-DME RNAV service**
- **Legacy service volumes will also be maintained**
- **New service volumes are frequency protected and evaluated for coverage**



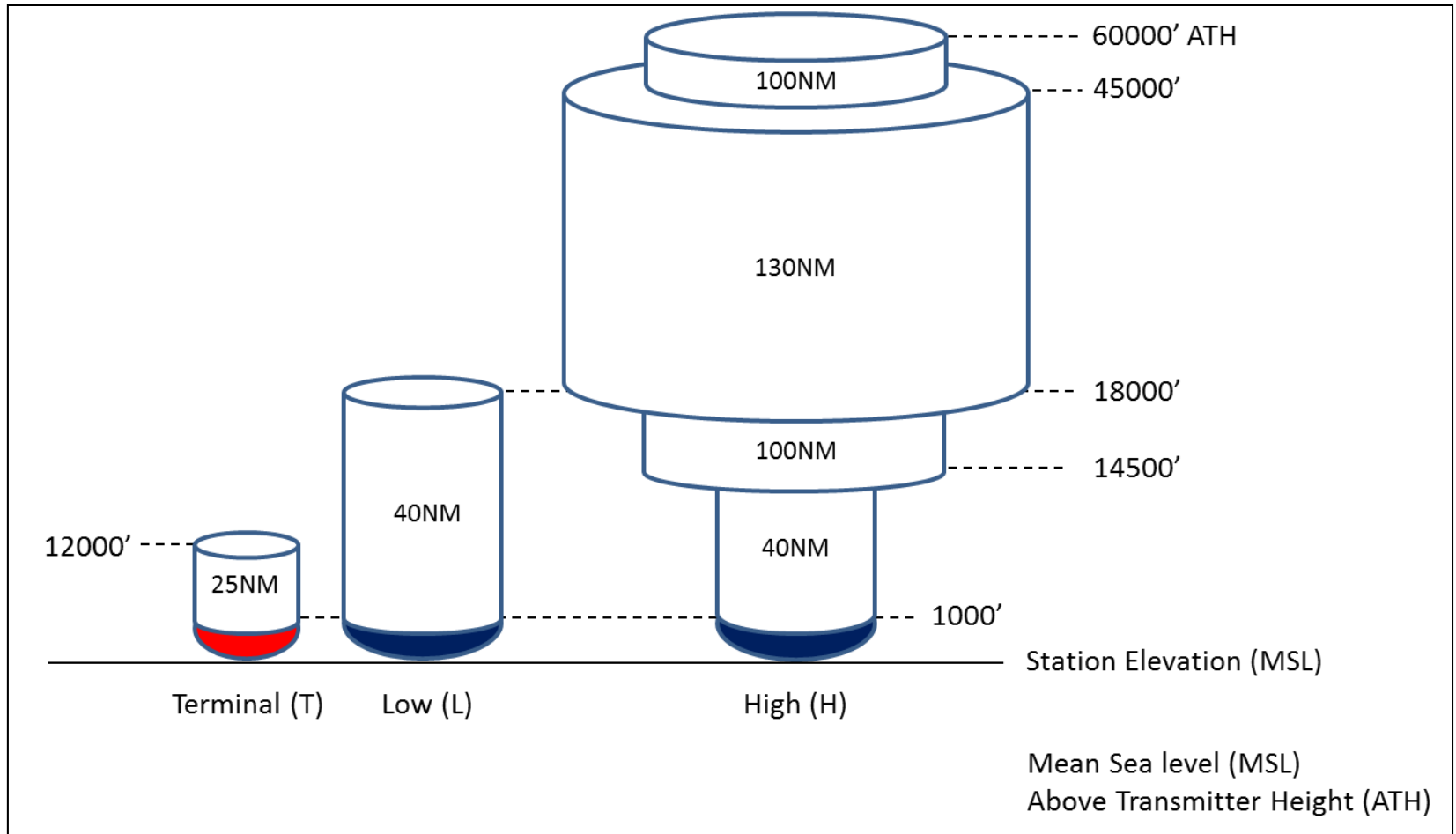
DISCUSSION

- **Current DME, VOR and TACANs that are collocated facilities share the same service volume**
 - Identified as VOR/DME or VORTAC
- **New service volumes will be implemented differently for each NavAid**
 - A VOR/DME may have different service volumes for each NavAid
 - A VORTAC may have different service volumes for each NavAid

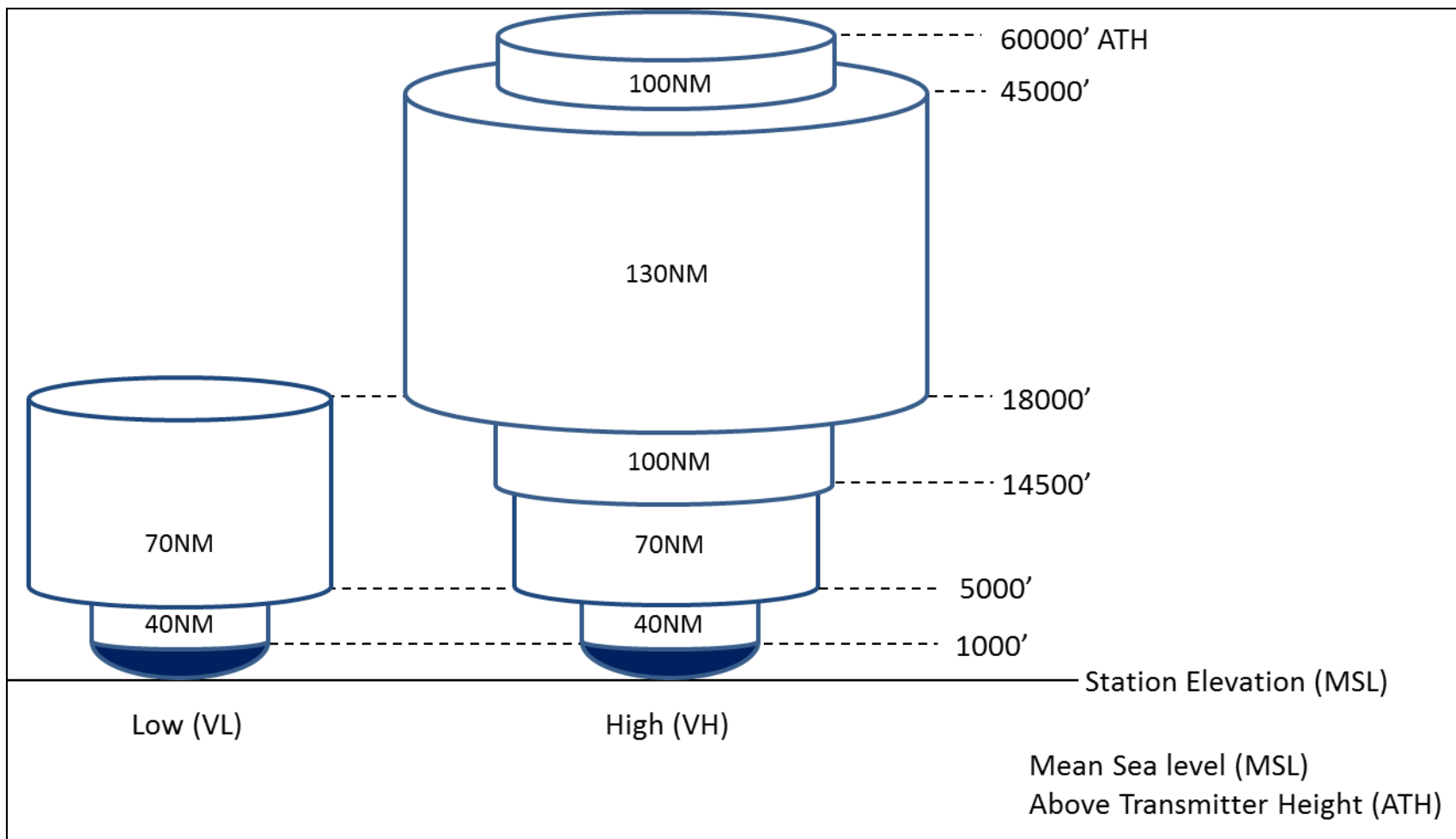
ACTIVITIES

- **New DME service volumes are primarily for DME-DME RNAV capability**
 - ARINC 424 adopted standards for these new service volumes and packing instructions so DME-DME aircraft can use them appropriately
- **A NASR change is pending to implement the different service volumes**
 - Current schedule is late spring

LEGACY SERVICE VOLUMES



NEW VOR SERVICE VOLUMES



NEW DME SERVICE VOLUMES

