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David Lewald is a navigation systems and aids to navigation specialist for the U.S. Coast Guard. He served for 30 years on active duty in the USCG with 25 of those years spent afloat aboard numerous cutters in all positions including command. He has been a USCG civilian employee since his retirement in 2014. David's responsibilities include advisory and consultative services to USCG programs and managers on a broad range of navigation matters that involve legacy and future state technology. He serves as an advisor and subject matter expert to the Director of Marine Transportation Systems on digital and electronic navigation matters and systems, including electronic chart systems (ECDIS\ECS), automatic identification system (AIS), integrated navigation systems (INS), integrated bridge systems (IBS), navigation sensors (e.g. Radar, GPS, etc.), and electronic aids to navigation. David serves as a navigation systems technical expert to standards development organizations such as International Maritime Organization (IMO), International Hydrographic Organization (IHO), International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA)(Vice Chair of the IALA-ARM Committee), Committee on the Marine Transportation System (CMTS), International Electrotechnical Commission (IEC), National Marine Electronics Association (NMEA), and Radio Technical Commission for Maritime Services (RTCM).