Visual Navigation Division (CG-NAV-1)

Aids to Navigation on the Western Rivers
Projects & Initiatives

- ALDEBARAN II – Electronic Charting System (ECS)
- USCG VEGA ECS – Inland
- e-Navigation (e-Nav) – IMO/IALA/CMTS
- USCG National Automatic Identification System (NAIS)
- Federal Initiative for Navigation Data Enhancement (FINDE)
- Federal-Industry Logistics Standards (FILS)
- USACE – e-Nav Initiatives
Aldebaran II:

- ECS for WLR Fleet & ANT(s) Colfax & Eufaula

- Buoy Positioning & Reporting

- Buoy Database Maintained by USACE
Visual Navigation Division (CG-NAV-1)
VEGA ECS - Inland: 4th Qrt – FY 14

- ECS for WLR Fleet & ANT(s) Colfax & Eufaula
- Buoy Positioning & Reporting
- Buoy Database Maintained by USCG
- Prototype planned for March, 2014
- Deployment to follow (Summer 2014)
Visual Navigation Division (CG-NAV-1)
Visual Navigation Division (CG-NAV-1)

e-Navigation

International definition (IMO, IALA):

“e-Navigation is the harmonised collection, integration, exchange, presentation and analysis of maritime information onboard and ashore by electronic means to enhance berth to berth navigation and related services, for safety and security at sea and protection of the marine environment”
Visual Navigation Division (CG-NAV-1)

e-Navigation National Initiative:
Committee on the Marine Transportation System (CMTS)

“Strategic Action Plan”
River Information Services (RIS)
Primary services and capabilities

- Waterway infrastructure information
  - IENCs
  - Notices to Skippers
    - Navigation Notices/Notices to Mariners
- Vessel traffic information
  - AIS
  - Traffic monitoring
  - Traffic/lock management
- Voyage information
  - Electronic cargo & voyage information
JOINT CAPABILITY TECHNOLOGY DEMONSTRATION (JCTD)

ELECTRONIC NAVIGATION AND VISUAL ATON NEEDS ON THE WESTERN RIVERS