



REQUEST FOR PROPOSAL
SMALL BOAT & FRESHWATER INSTALLATION TOPICS
added to
NMEA BASIC MARINE ELECTRONICS INSTALLER

SUMMARY

NMEA is seeking to contract a technical expert to update the current Basic MEI training course. Additional sections detailed in the general requirements need to be added to the course. MEI survey feedback has consistently indicated the need for training around smaller boat electronics used in freshwater applications. NMEA will contract a single independent contractor instead of the traditional committee work resulting in quicker time to market so installers can get trained on these concepts by the end of 2022.

GENERAL REQUIREMENTS & DELIVERABLES

- Update existing MEI presentation to a 160 slide PowerPoint (Contractor will be provided existing MEI)
- Create 50 additional exam questions based on the newly added material in the revised PowerPoint presentation. (Contractor will be provided existing MEI test questions)
- Create a word document based on the material so it can be reviewed by the NMEA 0400 Installation Committee for inclusion in the next release of the 0400 Installation Standard.
- Final Draft must be submitted by June 30, 2022.
- Draft will be commented on by the NMEA Education Committee
- Project must be completed by September 30, 2022.

New Sections

- *Stereo Installations*- Best practices, speaker locations, phase, impedance, interfacing
- *Trolling Motor Installations*- Best practices, thru bolting, cabling, freedom of movement, power considerations, foot pedal location, interfacing
- *Shallow Water Anchor Installations*- Best practices, thru bolting, cabling, hydraulic vs electric
- *LED Lighting Installations*- Best practices, EMI considerations, adhesion of LED lights to multiple surfaces

Modification Sections

- *Battery installations*- enhance existing section based on trolling motor requirements
- *Battery charging*- enhance existing section based on trolling motor requirements
- *Transducer installations*- enhance existing section for large transom mounts with side scan. Add trolling motor transducer mounting.
- *Display installations*- enhance existing section to cover more bracket mounts and ram style mounts used in bass boat configurations.
- *NMEA 0183*-condense number of slides within section, add slides on NMEA 2000.

Condense / Shorten Sections

- *VHF*- condense number of slides within MEI section
- *AIS*- condense number of slides within MEI section
- *Radar*- condense number of slides within MEI section
- *Coax*- condense number of slides within MEI section
- *Antenna Placement*- condense number of slides within MEI section

All other MEI sections can remain the same as in current released version.

RFP Continues on next page

INDUSTRY KNOWLEDGE REQUIREMENTS

- Extensive experience installing, configuring and troubleshooting Marine Electronics
- Curriculum development experience
- NMEA CMET or NMET is preferred
- ABYC Electrical certification is preferred

COMPENSATION & SUBMISSION

- Independent contractor must submit a not to exceed pricing proposal. 50% will be paid at start of project and balance will be paid once completed project is submitted to the NMEA President. An approval recommendation by the NMEA Education Committee will be sent to the NMEA Board of Directors for final approval.
- All interested parties should submit official quotation to NMEA. mreedenaue@nmea.org
410-975-9425