

Meeting Report
ABYC Navigation Lights PTC
Seattle, Washington
January 10-11, 2019

Highlights of the ABYC Navigation Lights Project Technical Committee meeting in Seattle, Washington.

1. A-16, Navigation Lights

- This standard will focus on the installation of navigation lights. All installation requirements were left in this standard and the design and testing requirements were pulled and placed into a C standard document (to be designated C-5). The standard remains for boats under 20m.
- Added owner's manual text taken from the NMMA Navigation Light Safety Brochure.
- Reviewed A-35, LED navigation lights, and moved all installation requirements into A-16. A-35 will then be pulled from publication.
- New name for A-16: Installation of Electric Navigation Lights.
- Reviewed UL 1104, Standard for Marine Navigation Lights, and moved applicable sections into new A-16 and C-5.
- Navigation lights shall be weathertight or IP55; Navigation lights below the sheer or non-incandescent (LED) lights shall be watertight or IP66.
- Next Action: Staff to review format and send out in a Call for Comments. Up for review in 2021.

2. New C-5, Construction and Testing of Electric Navigation Lights

- This standard pulled all the construction and testing requirements from A-16 and A-35 and created a single standard.
- This testing standard applies to both incandescent and LED lights.
- Reviewed all tests to assure their applicability to navigation lights.
- The standard will include an EMC testing requirement (from ISO 19009).
- Next Action: Staff to review format and send out in a Call for Comments. Goal for 2020 publication.

3. PTC Projects

- RFI (navigation lights in rub rails) – Are lights located in a rub rail allowed according to COLREGS and the CG Navigation Rules? ABYC Tech Board recommend holding the RFI until the A-16 revision has been completed. Must be addressed in A-16. RFI returned to the requester to verify the references in COLREGS and CG Navigation Rules.
- RFI (navigation lights in rubs rails) – A subcommittee was created to look at developing a performance criteria for navigation lights located in impact areas.
- LED navigation light degradation requirement - Currently a 500 hours change out recommendation. LED lights diminish in intensity over time. There must be a means of detecting degradation for LEDs. ABYC needs to clarify the CG request to develop a degradation requirement for LED nights on craft over 20m.
- Recommended that navigation sidelights be changed from 1m to 2m lights. Funding may be available for ABYC testing.
- Docking lights are becoming more popular. Should ABYC begin to look at requirements governing these light? Maybe specify cutoff angles and arc of visibility. A subcommittee

was formed to look at these lights. Expand the scope of work to include other lights such as accent lights and internal lights.

- NMMA Navigation Light Brochure is awaiting updated photos from navigation light manufacturers and will be ready for print and distribution.
 - ABYC requested members to join the US TAG to help review ISO standards.
4. Next Action: Initiate all subcommittee work. ABYC staff to clean up the two documents and send to the committee for a quick review. Schedule a webinar in approximately six months to review/resolve all pending issues.

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