

Meeting Report
ISO Technical Committee 188, Subcommittee 2, Work Group 3
Paris, France
June 25, 2018

Technical Committee 188, Subcommittee 2, Work Group 3 – Steering Gear

In attendance were experts from Sweden, Italy, Belgium, Netherlands, United States, the HAS consultant and ICOMIA.

ISO 23411, Steering wheels

1. All figures will be converted from imperial units to metric units.
2. Consideration shall be given to the design and construction of steering wheels to prevent injury to the operator (sharp edges, pinch points). Added the definition of pinch point.
3. Scope includes test requirements for steering wheels.
4. Electric/electronic devices contained within the steering wheel that control steering, shift, throttle and dynamic positioning are covered in ISO 25197.
5. Nonstructural devices intended to be installed within a steering wheel may be excluded from mechanical tests.
6. Figure 3 (Steering wheel impact test fixture) will be simplified with input from the steering wheel manufacturers.
7. Next action: After receipt of the impact test information, the Working Draft (WD) will go out for comment to the WG.

ISO 8848, Remote steering systems

1. Three standards (ISO 8848, ISO 9775 and ISO 15652) were merged into one standard.
2. This standard also contains requirements for the design of remote mechanical steering systems.
3. Deleted all references to joysticks in the standard.
4. Added a reference to downflooding height.
5. Will look at whether the mini jet boats steering standards can be moved into the recreational boat steering standards.
6. The maximum power rating (kW) for which the system is designed shall be specified by the steering systems manufacturer in the installation manual.
7. Next action: Send out the WD to the WG for review.

ISO 13929, Geared link systems

1. Will request a transition period of 24 months.
2. Next action: Distribute the standard to the WG for review.

ISO 8847, Steering gear – Cable over pulley systems

1. Will request a transition period of 24 months.
2. Next action: Distribute the standard to the WG for review.

ISO 10592, Hydraulic steering systems

1. Next action: Distribute the standard to the WG for review

TC188/SC2/WG2

ISO 25197 (CD), Electrical /electronic systems for steering, shift and throttle

1. Defined an output device – device that operates from commands coming from an input device. (electromechanical or electrohydraulic actuator)
2. Redefined the requirement for a durability test for a steering actuator to be 80% of its range for 100,000 cycles at 10 degrees of steering angle, at least at the maximum steering force declared by the manufacturer.
3. The salt mist test shall follow either ASTM B117-16 or IEC 60068-2-52.
4. Next action: Must be sent out as a DIS in the next 90 days or be deleted from the ISO standard timeline and the WG must restart the entire process.

Next WG action: Meeting at METS 2018.

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