

Meeting Report
ISO Technical Committee 188, Subcommittee 2
London, England
June 30, 2016

Highlights of Technical Committee 188, Subcommittee (SC) 2 – Engines and propulsion systems, held in London at the British Standards Institute

1. Attending the SC meeting were experts from USA, UK, ICOMIA, IMEC, CEN, Sweden, Finland, and Japan.
2. Secretariat report
 - a. The ISO Secretariat directed the subcommittee to develop a business plan. The ISO Secretariat also proposed that TC 188 update their business plan. Members of the business plan steering committee will be Sweden, USA, ICOMIA and the ISO Secretariat.
 - b. Looked at the term limits for four WG conveners (Heinemann, Adey, Marhevko and Behrmann). Discussed the process of convenue replacement.
 - c. The SC has 12 Principal (P) members and 11 Observer (O) members.
 - d. Need to contact CEN/TC 286, LPG equipment, for a liaison.
 - e. Added the TC 188 CEN commissioner, Jan Meyerhoefer, to the liaison list.
 - f. Published standards since the 2015 plenary meeting:
 - a. ISO 11592-1, Determination of maximum propulsion power rating – Craft under 8m in length
 - b. ISO 21487, Permanently installed petrol and diesel fuel tanks
 - g. Systematic reviews – Ending in 2016
 - a. ISO 8665, Power measurements and declarations
 - b. ISO 11105, Ventilation of petrol engine and petrol tanks compartments
 - c. ISO 13342, Static thrust measurement for outboard boats.
 - d. ISO 13591, Portable fuel systems for outboard boats
 - e. ISO 13592, Backfire flame control for petrol engines
 - f. ISO 15584, Engine mounted fuel and electrical components
 - h. Systematic reviews – Starting in 2016
 - a. ISO 4566, Propeller shaft ends and bosses with 1:10 taper
 - b. ISO 8845, Propeller shaft ends and bosses with 1:16 taper
 - c. ISO 7840, Fire-resistant hose
 - d. ISO 8469, Non fire-resistant hose
 - e. ISO 8847, Steering gear – cable and pulley system
 - f. ISO 10592, Hydraulic steering systems
 - g. ISO 11547, Start in gear protection
 - h. ISO 13590, PWC construction and system installation requirements
 - i. ISO 13929, Steering gear, Geared link systems
 - j. ISO 15652, Remote steering systems for inboard mini jet boats
 - i. Held ISO Technical Committee chairs and WG conveners training in March 2016.
 - j. Delineated the major changes to the ISO process and technical committee organization policy. Among the changes:
 - a. Mandatory voting on systematic reviews for P members.
 - b. A summary of standards revisions will be listed in the Forward.
 - c. Technical Chair's term is 6 years with an additional 3 years allowed.
 - d. No justification is needed for an approval vote.

- e. If a negative vote has no justification, it will not be counted.
3. Liaison reports
 - a. Received liaison reports from European Boating Association (EBA), Recreational Craft Sectoral Group (RSG), ICOMIA, Technical Committee 70 (Marine engines), and Technical Committee 8/Subcommittee 12 (Large yachts).
4. ISO update
 - a. P members must vote and take part in systematic reviews, or else will be removed from the ISO P lists.
 - b. Negative votes must have technical justification.
 - c. The FDIS approval step is not needed if no technical changes were received at the DIS review level. The FDIS approval step is not needed for harmonization upon the CEN approval.
5. CEN report
 - a. CEN is tasked with assessing all current standards that support RCD 2. Nine standards were found that do not support the RCD 2. CEN prioritized all standards into 4 categories for future reviews.
 - b. CEN is required to review all NWIPs to assess if the project supports the RCD 2.
6. SC 2 program review
 - a. WG 1, Propeller tapers
 - b. WG 2, Engine and propulsive systems
 - a. ISO 16147, Engine mounted fuel & electrical components – Received CD results, with concurrent comments. Will be sent out soon for a DIS vote.
 - c. WG 3, Steering gear
 - d. WG 4, Maneuvering speed and powering
 - a. Summary of 11592-2 (See 7.c)
7. Follow up work
 - a. ISO 25197, Electrical/electronic control systems for steering, shift and throttle - awaiting results of the NWIP reviews, closes on August 4, 2016
 - b. ISO 11592-2, Determination of maximum propulsion power rating – Craft with hull length of 8m-24m - first sent to CEN for review and then out for DIS review.
8. Systematic reviews
 - a. ISO 13590, Personal watercraft, is in need of a systematic review. IMEC will be solicited for a project leader and WG members. NMMA will also solicit SAE PWC committee and NMMA PWC committee for members. NMMA volunteered to be the convener. (USA has historically been the convener of this WG since its inception).
 - b. ISO 8665, Marine propulsion RIC engines - Power measurement and declarations, received technical comments from Japan, Belgium and CEN. Though only a handful of technical comments were received, it was decided not to issue an amendment, but to hold all the comments for the next systematic review.
 - c. ISO 11105, Ventilation of petrol engines and petrol tanks – 3 pages of comments received plus the ICOMIA improvements list has entries for revision of this standard. Robert Newsome named as the project leader for this review.
9. Next Meeting: The next meeting of SC2 was tentatively set for South Africa, summer 2017.

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