

INTRODUCTION

Welcome to the third edition of the International Council of Marine Industry Associations' (**ICOMIA**) **Small Craft Standards Bulletin** that provides industry stakeholders early notification on changes to existing standards and modifications to production methods; as developed and maintained by the ISO ([International Organization for Standards](#)) Technical Committee for Small Craft Standards ([TC 188](#)). The ICOMIA Small Craft Standards Bulletin is issued biannually and available to download, for free, from the [ICOMIA Online Library](#).

Edition 2015:3 of the ICOMIA Small Craft Standards Bulletin provides an update of standards following the week of TC 188 ISO working group meetings held during the BOOT Düsseldorf Boat Show 19th – 23rd January 2015.

Further information regarding the development and management of ISO standards can be found in Appendix (1.)

CURRENT NEWS:

- A new Sub-Committee 2. called *Engines and Propulsion Systems* has been formed from four TC 188 working groups including ISO 13590:2003 – *Personal watercraft – Construction and system installation requirements*. This will not impact people using the standards in any way.
- Further discussions on the additional re-structuring of working groups took place during two TC 188 Conveners and Project Leaders meetings held at METS 2014 and BOOT Düsseldorf 2015. Other items discussed at these meetings were the need for TC 188 members to re-apply under SC2. in order to receive LiveLink updates and be eligible to comment or vote on appropriate standards.
- The next 30th plenary meeting for TC 188 will take place in Göteborg, Sweden from the 22-26th June 2015 and there will be various WG's holding meetings over that week.

ICOMIA SMALL CRAFT STANDARDS BULLETIN EDITION 2014:2

- A. The following standards were published during 2014 – please make a note of when the previous editions of these will cease to give a presumption of conformity¹.

EN ISO 6185-3 – *Inflatable boats - Part 3: Boats with a hull length less than 8 m and with a motor power rating of 15 kW and greater.* This standard was published on the 15th August 2014 and the date of withdrawal of the superseded standard is 31st August 2016 as published in the OJEU.

ISO 6185-4 – *Inflatable boats —Part 4:Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater.*

A corrigendum was reviewed and a corrected version was published 1st August 2014.

EN ISO 10239 - *Liquefied petroleum gas (LPG) systems*

This standard was published on the 1st December 2014 but still needs to be published in the OJEU (latest edition being 16th January 2015). A twelve month transitional period has been requested.

EN ISO 13297 – *Electrical systems - Alternating current installations*

An updated version was published on 1st December 2014 (a corrigendum was issued concerning references 14.1 and 14.2 as well as a replacement of Annex D and a deletion of Annex E) but a revision is already underway to address additional comments as well as merging with **ISO 10133** - *Electrical systems - Extra-low-voltage d.c. installations*

EN ISO 25197 - *Electrical/electronic steering system*

This standard was last revised in 2012 but then required an amendment to include the following words: “Components of the system not rigidly mounted (portable helm, transmitters, etc.) shall withstand a free-fall test from a height of at least 1 m with impact on a concrete floor.”

This amendment was published on 27th November 2014

EN ISO 12217-1 – *Stability and buoyancy assessment and categorization – Part 1: Non-sailing boats of 6m length of hull and over*

EN ISO 12217-2 – *Stability and buoyancy assessment and categorization – Part 2: Sailing boats of 6m length of hull and over*

EN ISO 12217-3 – *Stability and buoyancy assessment and categorization – Part 3: Boats less than 6m length of hull*

The three parts of this standard were published in late 2013 but all required some editorial corrections and will be reprinted by the middle of this year after the FDIS voting period is over. A three year transitional period has been requested by the CEN Consultant and should only start from the date of publication of the corrected parts.

1. On completion, standards supporting EU directive requirements are referenced in the Official Journal of the European Union (OJEU). A link can be found [here](#). This step is referred to as ‘harmonization’. A harmonized standard provides a presumption of conformity for certain legal requirements. This reference appears in a dedicated Annex of the relevant standard.

A standard’s prefix reflects their publication as a European (EN) or International (ISO) standard or a combination of these.

- B. The following standards have been noted as requiring a review based on the publication of the new Recreational Craft Directive 2013/53/EU

EN ISO 8099 – *Toilet waste retention systems*

A new convenor/project leader and working group has been assigned to this standard and a revised draft (taking into account the new requirements for holding tanks) has been prepared during BOOT Düsseldorf to accompany a new work item proposal.

A separate part 2. will later be developed to include *water treatment systems*.

This standard is currently under systematic review until mid-March 2015.

EN ISO 10087 – *Craft identification - Coding system*

An draft amendment was prepared during a working group meeting at the TC 188 Plenary meeting and this has been submitted for DIS enquiry until 16th March 2015.

Some comments in the improvement list were addressed and the term ‘craft’ was changed to ‘watercraft’ as per the new RCD definition (the Craft Identification Number will remain but there are possible implementing acts being considered by the European Commission.)

EN ISO 14945 – *Builder’s Plate*

The revision of this standard was discussed during a working group meeting at the TC 188 Plenary. The term ‘craft’ was changed to ‘watercraft’ as per the new RCD definition and the new requirement for plates in the Post Construction Assessment module was taken into account.

It was scheduled for SR in 2015 but this has been moved to 2016 after further interpretation of the new RCD.

EN ISO 11591 – *Field of vision from helm position*

A revised draft was prepared during a working group meeting at the TC 188 Plenary meeting. This draft includes a new chapter for sailing watercraft as well as a simplification of the existing chapter for engine-driven watercraft. It has been submitted for a DIS enquiry until 9th March 2015. The term ‘Engine driven’ will be removed from the title.

EN ISO 15085 – *Man overboard prevention and recovery*

A committee draft was approved (in view of the new RCD wording ‘...shall be accessible to or deployable by a person in the water unaided.’) and the new modified draft, taking into account some comments from the improvement list, has been sent for a DIS enquiry till 4th May 2015.

ISO 18854 - *Test bed measurement of gaseous and particulate exhaust emissions from reciprocating internal combustion engines.*

This new project has adopted the relevant parts of ISO 8178 necessary for engine emissions to comply to the new RCD.

An FDIS enquiry was submitted for final approval with parallel voting in ISO and CEN.

Approved with no negative votes but with comments from Austria, Sweden and USA.

C. The following standards are expected to be published during 2015

EN ISO 9094 - Fire protection

This revision has combined both part 1. and 2. of the previous standard.

Comments from a third DIS enquiry were addressed during a working group meeting held at BOOT Düsseldorf.

Products already covered by EN ISO 14895 – *Liquid fuelled galley stoves* are due to be excluded from this standard as are personal watercraft.

EN ISO 10240 - Owner's manual

An amendment was prepared during a working group meeting at the TC 188 Plenary meeting and submitted for FDIS enquiry until 13th February 2015. It was approved with 3 negative votes out of 16. This will enable the use of electronic versions of owners manuals but with a statement that manufacturers shall have a procedure in place that allows for the printing of the owners manual by the owner. This standard is out for systematic review until 16th March 2015.

EN ISO 21487 - Permanently installed petrol and diesel fuel tanks

Although this standard was recently published at the end of 2012 it underwent an amendment clarifying which accessories need to be included when tanks are tested. This was approved after FDIS voting but a second amendment was started (allowing air to be used for leakage tests)

This draft has been approved to go direct to DIS enquiry.

ISO 19009 - Electrical navigations lights - Performance requirements

An FDIS has been submitted for final approval voting.

Parallel voting was originally planned to be submitted for vote from 4th December till 5th February 2015.

D. The following standards are currently undergoing development.

EN ISO 8666 – Principal data

A revised draft was prepared during a working group meeting at the TC 188 Plenary meeting and has been submitted for a DIS enquiry until 20th April 2015.

This standard will become the main 'go-to' reference standard in terms of principal dimensions and related data, and of mass specifications and various loading conditions.

EN ISO 11592 -1 - Small craft less than 8 m length of hull - Determination of maximum propulsion power rating.

A new work item (as a part 2.) is under development to include all craft above 8m but less than 24m and a new committee draft version was reviewed during the WG meeting at the TC 188 Plenary.

Further comments, after the voting period was completed, were addressed during the recent WG meeting during BOOT Düsseldorf in January.

EN ISO 11812 – Watertight cockpits and quick-draining cockpits

This standard was discussed in length recently during a working group meeting at BOOT Düsseldorf.

A committee draft version will hopefully be submitted shortly.

This standard will also undergo a systematic review in 2015.

EN ISO 12215-5 – *Hull construction and scantlings - Part 5: Design pressures for monohulls, design stresses, scantling determination.*

This part of the standard is still undergoing major revision which also impacts on part 7. and 10. below. An update of progress will be made during the plenary in Göteborg in June 2015

ISO 12215-7 – *Hull construction and scantlings – Part 7: Scantling determination of multihulls*

This part of the standard has reverted back to NWIP (New Work Item Proposal) status and once completed will be sent for DIS enquiry.

ISO 12215-10 – *Hull construction and scantlings – Part 10: Rig loads and attachments*

This part of the standard has reverted back to NWIP (New Work Item Proposal) status and once completed will be sent for DIS enquiry.

EN ISO 12216 - *Windows, port lights, hatches, deadlights and doors – Strength and tightness requirements*

The working group is still busy finalising a Committee Draft and has addressed several comments that were submitted via the improvement list. Further work was completed during a WG meeting recently held during BOOT Düsseldorf.

This standard is currently out for systematic review until 16th March 2015.

EN ISO 14895 – *Liquid fuelled galley stoves*

A DIS enquiry is currently underway and the voting period will end 24th March 2015.

The title and scope of this standard will be changed to include heating appliances.

prEN ISO 16315.2 – *Electrical propulsion systems*

This is a new project which is under the guidance of a joint working group – ISO JWG 1 and IEC TC 18. One of the many tasks of this JWG is to incorporate the statement in the new RCD – ‘Electric propulsion circuits shall not interact with other circuits in such a way that either would fail to operate as intended.’ A third DIS enquiry was approved in ISO and CEN but not in IEC. A modified draft has been submitted for a fourth DIS enquiry after comments were addressed during a meeting at METS 2014.

EN ISO 9093-1&2 – *Sea-cocks and through-hull fittings.* Parts 1 and 2 may be reviewed due to new materials available on the market and could also be combined into one standard.

A systematic review will take place in 2016.

E. The following seven standards underwent systematic review in 2014

EN ISO 9650-3 – *Inflatable liferafts – Part 3:Material*

EN ISO 11547 – *Start-in-gear protection.*

This standard will be incorporated into the new SC2.

EN ISO 10592 – *Hydraulic steering systems.*

This standard will be incorporated into the new SC2.

Waiting for results from SR of other steering standards to take place in 2015.

EN ISO 12215-8 – *Hull construction and scantlings – Part 8: Rudder stocks and bearings.*

No revision was required as review was confirmed.

EN ISO 14509-1 - *Airborne sound emitted by powered recreational craft - Part 1: Pass-by-measurement procedures.*

This standard will require a revision and further direction has been requested from TC 43/SC 1.

EN ISO 14509-2 - *Measurement of airborne sound emitted by powered recreational craft - Part 2: Sound assessment using reference craft.*

This standard will most likely be withdrawn following further consultation with the joint working group members.

EN ISO 14509-3 - *Airborne sound emitted by powered recreational craft - Part 3: Sound assessment using calculation and measurement procedures.*

No revision was required as review was confirmed.

F. The following standards are due for systematic review in 2015

EN ISO 8099 – *Toilet waste retention systems*

EN ISO 13590 - *Personal watercraft - Construction and system installation requirements* - voting open until 16th March 2015

EN ISO 11812 – *Watertight cockpits and quick-draining cockpits*

EN ISO 10240 - *Owner's manual*

EN ISO 11192– *Graphical symbols* - voting open until 16th March 2015

EN ISO 15084 - *Anchoring, mooring and towing – Strong points* - voting open until 16th March 2015

EN ISO 12216 - *Windows, port lights, hatches, deadlights and doors – Strength and tightness requirements*

EN ISO 8847 – *Steering gear – Wire rope and pulley systems*

EN ISO 8848 - *Remote steering systems*

EN ISO 9775 - *Remote steering systems for single outboard motors of 15 kW to 40 kW power*

EN ISO 13929 - *Steering gear - Geared link systems*

EN ISO 15652 - *Remote steering systems for inboard mini jet boats*

* Note: Voting will close on 16th March 2015 for the x5 steering standards above

Appendix (1.)

DEVELOPMENT AND MANAGEMENT OF ISO STANDARDS

ISO TC 188 is responsible for standardization of equipment and construction details of recreational craft, and other small craft using similar equipment, up to 24 metres length of the hull.

Currently, lifeboats and lifesaving equipment are covered by ISO TC 8.

ISO TC 188 has developed 78 published standards under the guidance of 21 separate working groups.

Currently the Secretariat of TC 188 is held by the Swedish Standards Institute (SIS).

Membership of TC 188 comprises of national standards bodies as well as liaison members who belong to other ISO TC's or to international or large regional organizations.

Only one member per country is allowed but they can have more than one representative within the committee.

There are two different categories:

- P-Members are full members who actively participate and have an obligation to vote on all questions submitted within the TC. The following 24 countries are P-Members of TC 188: France (AFNOR), USA (ANSI), UK (BSI), Germany (DIN), Malaysia (DSM), Russia (GOST R), Portugal (IPQ), Iran (ISIRI), Japan (JISC), Republic of Korea (KATS), Belgium (NBN), Netherlands (NEN), Ireland (NSAI), Australia (SA), South Africa (SABS), China (SAC), Canada (SCC), Finland (SFS), Israel (SII), Sweden (SIS), Norway (SN), Switzerland (SNV), Italy (UNI) and Czech Republic (UNMZ).

- O-Members follow the work as observers but cannot make any formal comments about the development process. The following 20 countries are O-Members of TC 188: Spain (AENOR), Austria (ASI), Romania (ASRO), Bulgaria (BDS), India (BIS), Denmark (DS), Ukraine (DSSU), Greece (ELOT), Croatia (HZN), Tunisia (INNORPI), Montenegro (ISME), Serbia (ISS), Iceland (IST), Hong Kong (ITCHKSAR), Hungary (MSZT), Cuba (NC), Poland (PKN), Slovakia (SUTN), Thailand (TISI) and Turkey (TSE).

The development of an ISO International Standard (or revision or amendment of an existing standard) follows a series of stages:

1. Preliminary Stage – Preliminary Work Items (PWI) are submitted and voted on by the participating members of the technical or sub committees.
2. Proposal Stage – New Work Item Proposals (NP) are developed for a new standard, new part of an existing standard, a technical specification or a publicly available specification.
3. Preparatory Stage – This stage covers the preparation of a Working Draft (WD)
4. Committee Stage – The Committee Draft (CD) takes into account comments from national bodies and reaches a consensus on the technical content. This is an optional stage and can be skipped under certain circumstances.
5. Enquiry Stage – A Draft International Standard (DIS) is circulated to all ISO member bodies for a three month vote (this may be extended to a period of five months by the technical or sub committees concerned).
6. Approval Stage – The Final Draft International Standard (FDIS) is circulated within a three month period for a two month voting window. This is an optional stage and can be skipped under certain circumstances.
7. Publication Stage – An International Standard (IS) is printed and distributed within one month after all corrections are made.