ISAF Annual ISO Activity

ISAF is a marine user based organisation and it is from this background the Federation has contributed to the development of ISO standards. We continue to provide valuable user representation to the standard development process linked primarily to sailing craft and their accompanying support boats.

The representatives of the Federation during this period have been Stuart Carruthers who is Chairman of the ISAF International Regulations Commission and Henry Thorpe Technical Coordinator at the Technical and Offshore Department together with Jason Smithwick Head of Technical of Offshore who has been specifically involved in WG18.

During this year ISAF representatives have attended TC188 plenary in Baltimore and hosted WG18: Small Craft – Hull Construction and Scantlings for their meeting in the ISAF offices in Southampton UK and have been asked and agreed to host further meetings.

This year’s primary focus has been with SC1 / WG6 with representatives attending meetings in both Paris, France and St Petersburg, United States.

ISAF are increasingly seeing benefits to its direct involvement in standard development and are committed to helping this work.

We have similar liaison status with International Maritime Organisation (IMO) where a voice for recreational boating is important as it can be overlooked. More information about ISAF and how we use ISO standards can be seen on the following pages.

What's New?

Yacht Structural Plan Review to ISO 12215
ISAF use of ISO12215 and the requirement for plan review of offshore yachts by notified bodies with the majority of these by IMCI and GL-DNV this has led to quicker industry acceptance of this standard. To date over 90 certificates have been issued comprising of 34 series production yachts and 50 custom yachts.

Part 6 Offshore Lifejacket to ISO 12402-6
This year ISAF proposed a yachting specific lifejacket SC1 / WG6 (Lifejackets) which has been accepted and is progressing to a final vote. We really do see this as a positive thing for the industry to have an easily identifiable product fit for purpose.

Field of vision from the helm position ISO 11591
As an example of recent participation ISAF were involved with need for the view to
encompass sailing vessels. ISAF’s pragmatic input to the practicality of the standard has led to a rethink of the proscriptive nature of the powerboat standard.

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**About ISAF**

The International Sailing Federation (ISAF) is the world governing body for the sport of sailing, officially recognized by the International Olympic Committee (IOC). ISAF is responsible for:

- the promotion of the sport internationally;
- managing sailing at the Olympic Games;
- developing the Racing Rules of Sailing and regulations for all sailing competitions;
- the training of judges, umpires and other administrators;
- the development of the sport around the world; and
- representing the sailors in all matters concerning the sport.

The principle members of ISAF are the 'Member National Authorities' (MNAs) which are user based and represent over 130 Countries and the Class Associations which are effectively owner association for a specific type of sailing boat from small dinghies and windsurfer to ocean going luxury yachts.

Within the ISAF rules and regulations there are a number of rule books, namely:
- Racing Rules of Sailing
- Equipment Rules of Sailing
- Offshore Special Regulations
- Class Rules for equipment ranging from Windsurfers to Offshore Racing Yachts

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**ISAF Offshore Special Regulations**

**Background**

The largest application of International Standards within ISAF is for the ISAF Offshore Special Regulations (OSR) governing offshore racing for monohulls and multihulls, structural features, yacht equipment, personal equipment and training. The OSR is constantly under review and updated biannually. The document may be found here: [www.sailing.org/specialregs](http://www.sailing.org/specialregs)

Whenever possible a relevant ISO Standard, CEN Norm, SOLAS regulation or other internationally-recognized standard is called up by OSR. Changes and developments in international standards are reviewed by the ISAF Special Regulations Sub-committee and may replace part of Special
Regulations. Significant changes will when possible affect new yachts and/or new equipment only. The OSR invoke several International Standards relating to safety equipment on-board a yacht, personal equipment and yacht structure and stability. The following ISO and EN standards (or draft standards) are mentioned in the Offshore Special Regulations:

<table>
<thead>
<tr>
<th>ISO standard</th>
<th>Subject</th>
<th>Special Regulation No.</th>
</tr>
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<tbody>
<tr>
<td>8729-1</td>
<td>marine radar reflectors</td>
<td>4.10</td>
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<tr>
<td>8729-2</td>
<td>marine radar reflectors</td>
<td>4.10</td>
</tr>
<tr>
<td>9650</td>
<td>liferafts</td>
<td>Appendix A Part II</td>
</tr>
<tr>
<td>11812</td>
<td>watertight &amp; quick draining cockpits</td>
<td>3.09</td>
</tr>
<tr>
<td>12401</td>
<td>deck safety harness</td>
<td>5.02</td>
</tr>
<tr>
<td></td>
<td>(also published as EN 1095)</td>
<td></td>
</tr>
<tr>
<td>12402</td>
<td>Personal Flotation Devices</td>
<td>5.01</td>
</tr>
<tr>
<td>12215</td>
<td>hull construction standards</td>
<td>3.03</td>
</tr>
<tr>
<td>12217-2</td>
<td>assessment of stability and buoyancy</td>
<td>3.04.4, 3.05</td>
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<tr>
<td>15085</td>
<td>guardlines (lifelines) trampolines, nets,</td>
<td>3.14, 3.15</td>
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<tr>
<td></td>
<td>stanchions, hooking points</td>
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<tr>
<td>17339</td>
<td>sea anchors</td>
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<table>
<thead>
<tr>
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<tr>
<td>394,399</td>
<td>lifejacket accessories</td>
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</tr>
<tr>
<td>396</td>
<td>lifejackets</td>
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<td>1095</td>
<td>deck safety harness</td>
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<td></td>
<td>(also published as ISO 12401)</td>
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<tr>
<td>1913-1-3</td>
<td>immersion suits</td>
<td>5.07</td>
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**OSR Yacht Structural Plan Review**

The aim of the ISAF Offshore Special Regulations Structural Plan Review Scheme is to implement compliance with the requirements of ISAF Offshore Special Regulations 3.03 - Hull Construction Standards (Scantlings). More information can be seen here: [www.sailing.org/classesandequipment/offshore/plan_review.php](http://www.sailing.org/classesandequipment/offshore/plan_review.php)

The objective of the scheme is for ISAF together with ISAF recognized notified bodies to provide certification to designers, builders and/or owners to show compliance with specific parts of the International Standard ISO 12215: Hull Construction - Scantlings specified within the scope below.

The scope of the plan review consists of application and calculation to the following parts of ISO12215 - Small Craft - Hull construction and scantlings:

- ISO 12215 Part 5: Design pressures for monohulls, design stresses, scantlings determination
All parts and annexes where applicable to design category A ("ocean") - Sailing Craft

- ISO 12215 Part 8: Rudders
  All parts and annexes where applicable to design category A ("ocean") - Sailing Craft
- ISO 12215 Part 9: Sailing Craft - Appendages
  All parts and annexes where applicable to design category A ("ocean")

There are two forms of certification:

a) Series production; where several boats of the same type are produced in accordance with the plans and therefore each yacht will not require individual review and certification

b) Custom or unique boat where the boat is a one of a kind yacht or a series production yacht that has been built or modified such that it is not in accordance with the plans of that series.

ISAF maintain a list of yachts reviewed under the scheme on its website with certification information. If the yacht is a series type production there will be a single entry for that type of yacht with a link to a certificate for an owner or builder to make a hardcopy. The owner then signs the declaration including the CIN/HIN of their particular yacht. For a unique yacht the certificate will not be published on the website and certificates will be issued direct from the ISAF recognized notified body upon compliance with the review requirements.

The recognized notified body returns digital copies of series production certificates to ISAF but are free to give them to individual owners on their request. Unique or custom certificates should be returned to the original enquiry source or their nominated individual.

For further details please visit
http://www.sailing.org/classesandequipment/offshore/plan_review.php

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**Equipment Class Rules**

All ISAF class equipment have rules controlling how the equipment is constructed, certified and used. These rules also relate to personal equipment and particularly PFDs. Within the rules for PFDs there will often be reference to International or National Standards as appropriate. A typical example is as follows:

**C.3 PERSONAL EQUIPMENT**

**C.3.1 MANDATORY**

(a) The boat shall be equipped with personal flotation devices (PFD) for each crew member to the minimum standard EN 393 or ISO 12402-5, level 50 or the notice of race may prescribe alternatives.

(b) The use of inflatable personal flotation devices is not permitted when racing.

In addition some yacht racing classes invoke other ISO standards relating to onboard safety equipment, personal safety equipment and yacht construction and stability.