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BSi-003

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UK PRINCIPAL EXPERT IN SMALL CRAFT STRUCTURES REPORT ON THE DISCUSSIONS INHERENT TO THE ISO 12215 IN AMSTERDAM, 2017.

Meeting of Committee:	ISO/TC188/WG18
Date(s) of Meeting:	17/11/2017
Place of Meeting:	Amsterdam, Netherland
Author of report:	Jean-Baptiste R. G. Soupez
Other UK attendees:	n/a
Countries & number in delegations	France [3], Finland [1], Netherland [1], UK [1]
Additional major papers circulated at meeting	n/a
Items added to Agenda at meeting	n/a
List of discussed items	<ul style="list-style-type: none">• Review of DIS 12215-5 comments
Other comments/items	n/a
Date of Next Meeting:	January 2018
Proposed venue for next meeting:	Dusseldorf

REPORT FROM DELEGATE

Review of the main comments on DIS 12215-5:

1. Annex L to clarify the type of workboat and inherent assessment method.
2. A number of editorial comments have been dealt with throughout the meeting.
3. Deletion of '*protected areas not inside the watertight shell*' as it is actually beyond the scope of the ISO 12215.
4. Comment on definition of mass of craft with respect to ISO 8666 has been considered as editorial to ensure consistency across the scope of the TC188 standard.
5. New definition of Z_C (chine height): '*Vertical location of chine with respect to W_L (positive above W_L)*', change of all other Z s to similar definition. A definition of the coordinate system will also be added.
6. **Netherland suggested much tougher quality control and testing. This is not in the interest of the UK small craft industry, as it would provide an impracticality and expensive implementation, that would drive manufacturer away from more advanced construction method. This point was therefore reject, and the standard will be maintained to its current requirements of testing once a year.**
7. Discussion regarding should laminates with felt (coremat, soric, etc...) be considered as single skin or sandwich? This comment was rejected by the working group.
8. Nomenclature to include the ultimate flexural stress.
9. Sandwich inner skin design stress modified to include K_{BB} and K_{AM} in both criteria.
10. **Proposal to delete ply by ply analysis rejected; this is a common method used by UK designers and should therefore be kept so as not to impact design office and incur addition work when the new standard will come into effect.**
11. Note added to section 11.4 Direct Test to avoid any ambiguity in the interpretation of the boatbuilding coefficient to be used.
12. Equations for K_{SHb} and K_{SHI} to be corrected and updated.
13. Issues with informative annex having requirements, and therefore require to be changed to normative annex (consequently, annex I is to become normative).
14. Correction of the Poisson's ratio for CSM based on standard isotropic equation, under the assumption the CSM is quasi-isotropic.

Items of particular concern for the UK are presented in bold above.

Note: a webinar will be held by the Working Group on November 23rd to discuss additional comments, and consider the possibility to skip the FDIS stage in order to publish the standard sooner.

WG 18 - SCANTLINGS
METS MEETING FRIDAY 2017-11-17
TIME 10:15- 17:30 – ROOM D 406

Room D 406 is in the Elicium building, above the room presenting designers, resins, PBB, etc.

1- AGENDA

- 1 - Roll call of members**
- 2- ISO 12215-5 Monohulls: Analysis of ROV & comments**
- 3- Date of next meeting**

2.1 SITUATION OF ISO 12215 WORK PROGRAM

TIME SCHEDULE FOR PARTS 7,10 AND 5 OF ISO 12215			
Standard	DIS sent TC 188	DIS circulation starts	DIS circulation ends
ISO 12215-5 revision	2017-05-11	2017-08-04	2017-10-26
ISO 12215-7	2017-07-28	2017-11-14	2018-02-06
ISO 12215-10	2017-08-12	?	

Reminder

Part 7 will be circulated for DIS ballot by skipping CD stage, as decided during ICO TC188 32nd plenary last June in Berlin (see resolution #519).

Part 10 will be circulated for DIS ballot by skipping CD stage also (see resolution #520).

We will therefore focus our METS meeting on DIS 12215-5- Monohulls

I attach:

1. WG_18_N_503_GD-C069552e_DIS_edited.docx The draft to be discussed in METS as edited by ISO CS+**most of editorial comments** (not all due lack of time) and **some technical comments**
2. WG_18_N_505_GD_Collated comments DIS 12215-5 incl com CEN consultant.docx the comments split into general/technical /editorial plus ISI CS and CEN consultant comments.

2.2 REPORT OF VOTING (ROV) AND COMMENTS ON DIS 12215-5

The DIS has been positively voted with a 93% majority, the only country that voted against is USA, which is surprising as the comments were mainly on details. This means that the DIS is approved, and that we can go either to FDIS or directly to ISO.

I attach the ROV and the comments. To allow our work in the meeting, I split the comments list in two: first technical comments, the editorial ones.

There are 5 pages of technical comments (mainly details) on the 29 total pages of comments. It will be up to the group to decide if we consider that the -eventual- “substantial changes”, leading to a FDIS are needed.

2.3 EDITORIAL COMMENTS ON DIS 12215-5

As convener of ISO TC188/WG18, I will deal with these editorial comments and submit it to you for double check. (see my replies/proposed actions)

To avoid spending time on this during the meeting, WG members can send me their feedback and additional comments also prior to the meeting. If there is a need to review some of them, we will find a slot of 15min to do so at the end of the meeting.

2.4 TECHNICAL ISSUES AND COMMENTS ON DIS 12215-5

The major part of WG 18 METS meeting will therefore be spent on technical points

Baseline reminder

The structure of the standard is as follows:

Main dimensions, data and areas	are defined in Clause 6
Dimensions of panels and stiffeners	are defined in Clause 7
Dimensions adjustment factors and pressures	are defined in Clauses 8&9
Mechanical properties and design stresses	are defined in Clause 10
Analysis methods	are defined in Clause 10 & relevant annexes
Craft for professional use	are considered in Clause 12 & Annex J
Owner's manual inclusions	are considered in Clause 13 & Annex I

We will have to consider together the technical comments.

I attach a preliminary doc to look at these comments. I will work on and will send an improved doc 2017-11-14.

Hoping to see you many at METS meeting, and Best regards

Gregoire Dolto
Convener of WG 18

