

Meeting: International Organization for Standardization (ISO) TC8 (Ship and Marine Technology)
SC1 (Life-saving appliances and Fire protection)

Date: From 14 to 16 May 2007

Venue: onboard ship Silja Serenade (Stockholm - Helsinki)

Attendances from NMRI

Mr. Koichi Yoshida
Director, Centre for International Cooperation
Dr. Susumu OTA
Senior Research Engineer, Navigation and
System Engineering Department



Meeting of TC8/SC1 onboard Silja Serenade

MAJOR CONTRIBUTIONS

Mr. K. Yoshida tentatively chaired the WG3 Fire Protection Working Group and contributed various progresses on the development of ISO standards regarding fire protection onboard ships. He also contributed to SC1 and WG3 by providing draft standards which Japan is working as their project leader, such as 4 parts of standards for breathing devices for use on ships (DIS 23269-1 to -4), standard for fire-fighters' outfit (DIS 22488), flame detectors (DIS 19292) and oil mist detectors (CD 7240-26). He reported the activities of WG3 to SC1 plenary meeting.

Dr. S.OTA attended WG 1 (Lifesaving Appliances and Arrangements) and contributed to the development of draft standard "Marine Evacuation System -- Means of Communication (ISO 27991)". He further contributed to discussion on new work items of the group giving an account of various IMO instruments and undertook the project leader of development of a new standard, tentatively titled "Approval standards concerning maintenance of lifeboats and launching appliances"

MAJOR OUTCOME OF THE MEETING

TC8/SC1

1. Standard publication

SC1 approved ISO/DIS 23269-1 Ships and marine technology - Emergency escape breathing devices for reinstatement into the work programme, and submission to the ISO Central Secretariat for publication via the proof procedure.

2. FDIS (Final Draft International Standard)

The Sub-committee approved the following Draft International Standards for reinstatement in the SC1 work programme, registration and circulation by the ISO Central Secretariat as Final Draft International Standards (FDIS):

- ISO/DIS 5489, Ships and marine technology - Embarkation ladders
- ISO/DIS 17338, Ships and marine technology - Plans for structural fire protection by divisions
- ISO/DIS 22488, Ships and marine technology - Shipboard fire-fighters' outfits

3. DIS (Draft International Standard)

SC1 approved the following Committee Draft Standards for reinstatement in the SC1 work programme, registration and circulation by the ISO Central Secretariat as Draft International Standards (DIS):

- ISO/CD 23269-2 Ships and marine technology - Requirements and test methods for breathing apparatus for ships Part 2 Breathing apparatus for shipboard firefighters
- ISO/CD 23269-3 Ships and marine technology - Requirements and test methods for breathing apparatus for ships Self-contained breathing apparatus (safety equipment) required by the IMO IBC and IGC Codes
- ISO/CD 23269-4 Ships and marine technology - Requirements and test methods for breathing apparatus for ships Self-contained breathing apparatus for emergency escape required by the IMO IBC and IGC Codes
- ISO/CD 24409-1, Ships and marine technology - Design, location, and use of shipboard signs for fire protection, life-saving appliances, and means of escape Part 1 Design Principles
- ISO/CD 27991, Ships and marine technology - Marine evacuation systems - Means of communication

4. CD (Committee Draft)

The Sub-Committee approves the following draft standards for reinstatement into the work programme as necessary, and registration by the ISO Central Secretariat as Committee Drafts, and balloting for DIS:

- ISO/CD 24409-2, Ships and marine technology - Design, location, and use of shipboard signs for fire protection, life-saving appliances, and means of escape Part 2 Catalogue
- ISO/CD 24409-3, Ships and marine technology - Design, location, and use of shipboard signs for fire protection, life-saving appliances, and means of escape Part 3 Code of practice
- WD 7240-26 Ships and marine technology- Oil mist detectors (work item transferred from ISO/TC 21)
- ISO/PDAM 15371 Ships and marine technology- Deep fat cooking equipment – Fire tests
- ISO/PDAM 15370 Ships and marine technology- Low location lighting

5. **WG3 Convenership**

The SC1 assigned Mr. Tatsuhiro Hiraoka to replace Mr. Richard Donarski as convenor of WG 3.

6. **Liaison report**

Mr. Yoshida reported the activities of ISO/TC92 (Fire safety) and its SC1 (Fire initiation and growth).

- ISO/TC92/SC1 has developed ISO fire test procedure standards used in IMO FTP Code.
- ISO/TC92/SC1 is now working on the following items under the request of IMO FP Sub-Committee:
 - Revision to ISO 1182:2002 Non-combustibility test (FTP Code Part 1)
 - Development of ISO DIS 21489 Gas measurement by FTIR at smoke test (FTP Code Part 2)
 - Revision to ISO 834-1:1999 Fire resistance test (FTP Code Part 3)
 - Round-robin test for ISO 5658-2:2006 Spread of flame test (FTP Code Part 5)
 - Revision to ISO 1716:2002 Measurement of calorific potential (SOLAS II-2)
- The same delegation from Denmark, Japan, Sweden and United Kingdom usually attend to IMO FP51 meeting and ISO/TC92/SC1 meeting.

SC1 noted the liaison report and agreed to incorporate the report into TC8/SC1 report, as an annex, to IMO FP52.

WG 1 (Lifesaving Appliances and Arrangements)

- The group reviewed the draft standard "Marine Evacuation Systems -- Means of Communication (ISO 27991)" and agreed the revised text. This draft standard will be sent to the ISO Central Secretariat for balloting for DIS.
- The group reviewed the draft standard "Marine Evacuation Systems -- Installation test procedures and requirements (ISO 27992)". The group, taking into account the amendments to the requirements for the evacuation time demonstration in HSC Code 2000, adopted by IMO MSC 82, agreed that the scope and relevance of the standard should be reviewed.
- The group considered possible new work items and agreed, in principle, to add a new work item, tentatively titled "Approval standards concerning maintenance of lifeboats and launching appliances" and invite Dr. Ota to submit an official new work item proposal on this issue.

WG3 (Fire protection)

● **WI 22488 Shipboard fire-fighters' outfits**

WG3 agreed that the project leader should provide necessary figures to the SC1 Secretary and agreed to proceed this to FDIS ballot.

● **WI 19292 Point type resettable flame detectors for ships**

WG3 examined the difference of the text of DIS 19292 and ISO 7240-10 which has been published in February 2007 with addition of specifications for marine use based on DIS 19292, and found that there was no technical difference between them. WG3 agreed that ISO 7240-10:2007 may be used for marine purposes. WG3 also agreed to recommend SC1 to keep liaison with ISO/TC21 for monitoring the status of ISO 7240-10 and possible cooperation in case of future revision.

● **WI 15371 Fire-extinguishing systems for protection of galley deep-fat cooking equipment – fire tests**

WG3 considered the draft CD text provided by the project and agreed to proceed this to CD inquiry.

● **WI 7240-26 Oil mist detectors**

WG3 considered the draft CD text prepared by the project leader and agreed to proceed this to CD inquiry.

● **WI 17338 Drawing for fire protection - Indication of fire rating by divisions**

WG3, recognizing that the figures shall be corrected in ISO format, agreed to proceed this to FDIS ballot.

● **WI 23269-1 Breathing apparatus for ships - Part 1: Emergency escape breathing devices (EEBD) for shipboard use**

WG3 discussed on the specification of EEBDs with and without positive pressure, and agreed that the text sent to ISO for publication should not be modified in this stage.

● **WI 23269-2 Breathing apparatus for ships - Part 2: Breathing devices for shipboard firefighters**

WG3 made a modification on the draft and agreed to proceed this to DIS ballot.

● **WI 23269-3 Breathing apparatus for ships - Part 3: Self-contained breathing devices (safety**

equipment) required by the IMO IBC and IGC Codes

WG3 noted that there was no comment from ISO/TC94 on 6.3 chemical resistance test and agreed to proceed this to DIS ballot.

- **WI 23269-4 Breathing apparatus for ships - Part 4: Self-contained breathing devices for emergency escape required by the IMO IBC and IGC Codes**

WG3 agreed to proceed this to DIS ballot.

- **WI 15370 Low location lighting on passenger ships – arrangement**

WG3 made modifications on the draft text and agreed to proceed this to CD inquiry.

- **WI 24409-2 Design, location, and use of shipboard signs for fire protection, life-saving appliances, and means of escape – Part 2: Catalogue and 24409-4 – Part 4: Code of practice for means of signing)**

WG3 received a report from the task group (TG) on WI 24409 which met intersessionally. WG3 received the report from the TG which made CD text of 24409-2 and -3, and agreed to proceed them to CD inquiry.

THE NEXT SESSION OF ISO/TC8/SC1 and its WGs

The Sub-committee tentatively agreed to meet in Tokyo or Kyoto, Japan in March-April 2008, and agreed that WG3 will meet in London on 8 and 9 November 2007. SC1 noted that WG1 will consider its intersessional meeting sometime in February 2008.