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Title: **Ships and marine technology**

Secretariat: NNI (Netherlands)

ISO/TC 8

Ships and marine technology

Status report

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General introduction

This "living" comprehensive document is regularly updated by the secretariat of ISO/TC 8, based upon information collected from documents and reports from the Sub Committees and Working Groups.

The permanent document number ISO/TC 8 N 1000 will be retained, also for future revisions of this document (to be indicated by R 1, R 2 etc.).

Scope, structure and programme of work of ISO/TC 8 and subcommittees

This part of the document contains the scopes and structure of ISO/TC 8 and its ten subcommittees, as well as the allocation of existing standards and (proposed) work items to these SC's and WG's.

For ease of reference all items have been given an internal ISO/TC 8 work item number e.g. [01.01], indicating the SC and a two digit reference number.

Annex D gives some statistical information on the number of work items assigned to each ISO/TC 8 subcommittee.

Work items of mutual interest to IMO and ISO/TC 8

Several work items are regarded to be of mutual interest to ISO/TC 8 and the International Maritime Organization IMO. These items are either requested by IMO or are initiated by ISO/TC 8 itself. These items are indicated by an IMO-link-NR. The IMO-link-NR refers to the list in Annex A of this document. The items requested by IMO are additionally marked with an "R" in the first column of annex A.

The relevant IMO bodies and Resolutions or other documents are given in Annex B.

Further indexes and tables

Annex C is an index on ISO standard numbers and refers to the internal ISO/TC 8 work item number and the IMO-link-NR.

Annex E shows the assignment of IMO-link-NR's to the different ISO/TC 8 and IMO bodies, thus indicating the major fields of common interest.

World Wide Web

An electronic version of this document is to be found on site

<http://www.uscg.mil/hq/g-m/nmc/standards/tc8stat.htm>

and will be updated regularly.

ISO/TC 8 Ships and marine technology

Chairman: Capt. Ch. H. Piersall (USA) (1995 - 2000)
Secretariat: Mr. J. van Elk (NNI)

Scope: Standardization of design, construction, structural elements, outfitting parts, equipment, methods and technology, and marine environmental matters, used in shipbuilding and the operation of ships, comprising sea-going ships, vessels for inland navigation, offshore structures, ship-to-shore interface and all other marine structures subject to IMO requirements.

Excluded:

- electrical and electronic equipment on board ships and marine structures (IEC/TC 18 and IEC/TC 80);
- internal combustion engines (ISO/TC 70);
- offshore structures for petroleum and natural gas industries, including procedures for assessment of the site specific application of mobile offshore drilling and accommodation units for the petroleum and natural gas industry (ISO/TC 67/SC 7);
- steel and aluminium structures (ISO/TC 167);
- equipment and construction details of recreational craft and other small craft (not being lifeboats and lifesaving equipment) less than 24 metres overall length (ISO/TC 188);
- sea bed mining;
- equipment which is not specific for use on board ships and marine structures (e.g. pipes, steel wire ropes, etc.) and falling within the scope of particular ISO technical committees with which a regular mutual liaison must be maintained.

<u>Meetings</u>	<u>Report</u>	
1) 1949-06	Paris, France	
2) 1952-11	the Hague, Netherlands	
3) 1956-11	Genoa, Italy	
4) 1960-10	Dusseldorf, Germany	
5) 1964-10	Brussels, Belgium	
6) 1967-06	Moscow, USSR	
7) 1970-10	London, UK	
8) 1973-10/11	Tokyo, Japan	
9) 1977-06	Goteborg, Sweden	
10) 1980-11	Gdansk, Poland	
11) 1985-07-04/05	Paris, France	
12) 1990-10-15/18	Tokyo, Japan	8 N 782
13) 1994-09-08/11	Norway	8 N 840
14) 1995-10-13/15	Beijing, China	8 N 872
15) 1996-10-14/16	Cascais, Portugal	8 N 900
16) 1997-10-21/22	Hamburg, Germany	8 N 914
17) 1998-10-11/13	Maldon, United Kingdom	
18) 1999-10	Sasebo, Japan	
19) 2000-		

ISO/TC 8 Advisory Group (AG)

Scope: The ISO/TC 8 Advisory Group shall advise and assist the chairman and the secretariat with co-ordination, planning and steering of the work and other specific tasks.

<u>Meetings</u>		<u>Report</u>
1)	1974-02-07/08	Delft, Netherlands
2)	1974-05-21/22	Delft, Netherlands
3)	1974-10-28/29	Delft, Netherlands
4)	1975-05-05/06	Oslo, Norway
5)	1976-11-04/05	Wallsend, UK
6)	1977-09-19/20	Madrid, Spain
7)	1978-10-09/10	Genoa, Italy
8)	1979-10-24/25	New Delphi, India AG N 98
9)	1981-09-29/30	Gdansk, Poland AG N 156
10)	1982-11-09/10	Hamburg, Germany AG N 186
11)	1984-05-02/03	Delft, Netherlands AG N 199 = 8 N 674
12)	1984-12-11/12	Delft, Netherlands AG N 230
13)	1986-02-04/05	Paris, France AG N 248
14)	1987-05-12/14	London, UK AG N 262
15)	1988-09-27/29	Hamburg, Germany AG N 286
16)	1989-09-25/27	Delft, Netherlands AG N 317
17)	1991-10-14/16	Delft, Netherlands AG N 361
18)	1992-10-19/22	Odense, Denmark AG N 398
19)	1993-10-11/13	Annapolis, USA AG N 436
20)	1995-04-19/20	Delft, Netherlands AG N 457
21)	1995-10-15	Beijing, China (with plenary) AG N 463
22)	1996-03-13/14	Genoa, Italy AG N 482 = 8 N 876
23)	1996-10-16	Cascais, Portugal (with plenary) AG N 486 = 8 N 902
24)	1997-04-03/04	Charlottenlund, Denmark AG N 495 = 8 N 903
25)	1997-10-23	Hamburg, Germany (with plenary) AG N 502
26)	1998-06-11/12	Lissabon, Portugal
27)	1998-10-14	Maldon, United Kingdom (with plenary)
28)	1999-	
29)	1999-10	Sasebo, Japan (with plenary)

ISO/TC 8/SC 1 Lifesaving and fire protection

Chairman: Burt W. "Tom" Thompson Jr. (USA) (1995 - 2000)
Secretariat: Mr. Kurt Heinz (U.S. Coast Guard)

Scope: Standardization of marine lifesaving and fire protection design, construction, equipment, materials and technology used in shipbuilding and the operation of ships in support of requirements developed by the International Maritime Organization (IMO) and the needs of the world maritime industry.

SC1 Meetings:

- 1) 1995-06-20/21 Philadelphia, USA
- 2) 1996-03-04/05 Baltimore, USA
- 3) 1997-04-28/29 Baltimore, USA
- 4) 1998-03-30/31 Baltimore, USA
- 5) 1998-04 Southampton, UK

Working Groups:

WG 1 Life saving equipment (Convener Mr. Jens Peter Bie, Denmark)

Work Items assigned to WG 1: [01.13], [01.14], [01.15], [01.16], [01.17], [01.18], [01.41], [01.42], [01.43]

WG 1 meetings:

- 1) 1996-12-10/12 London, UK
- 2) 1997-04-27 Baltimore, USA
- 3) 1997-10-02/03 Copenhagen, Denmark
- 4) 1998-10 Hamburg, Germany
- 5)

WG 2 Pilot and accommodation ladders (Convener Mr. Robert L. Markle, USA)

Work Items assigned to WG 2: [01.01], [01.03], [01.33], [01.44]

WG 2 meetings:

- 1) 1997-04-28/29 Baltimore, USA
- 2) 1997-10-02/03 Copenhagen, Denmark
- 3)

WG 3 Fire protection (Convener Mr. Claudio Abbate, Italy)

Work Items assigned to WG 3: [01.11], [01.12], [01.22], [01.32], [01.45]

WG 3 meetings:

- 1) 1996-06-04/05 Genoa, Italy
- 2) 1996-11-25/27 Hamburg, Germany
- 3) 1997-04-27 Baltimore, USA
- 4) 1997-10-02/03 Copenhagen, Denmark
- 5) 1998-03-29 Baltimore, USA
- 6) 1998-06-15/16 ..., Germany
- 7)

Published standards: 8

- [01.01] ISO 799:1986, in revision, IMO-link-NR 43
- [01.02] ISO 5488:1979, in revision (??), IMO-link-NR 43
- [01.03] ISO 5489:1986, confirmed 1991, in revision?, WG 2
- [01.04] ISO/TR 6065:1991, IMO-link-NR 9
- [01.05] ISO 6067:1985, in revision, see [04.26] ISO/WD 15516, periodical review 1996
- [01.06] ISO 7061:1993, periodical review 1998-06-30
- [01.07] ISO 7364:1983, request for revision from CEN/TC 300
- [01.08] ISO/TR 14564:1995, IMO-link-NR 14

Approved Work items: 12 - 3 = 9, including 1 revision

- [01.01] ISO/WD 799 Pilot ladders (Revision ISO 799:1986), (WG 2), IMO-link-NR 43
- [01.09] *to be deleted*ISO/NP 14613 Embarking and leaving ship in open water,IMO-link-NR 43
- [01.10] *to be deleted* ISO/NP 14614 Life jackets for sea-going ships (IMO/SOLAS), IMO-link-NR 44, transferred to ISO/TC 188, see ISO 12402-1/7
- [01.11] ISO/NP 15370 Low-location lighting on passenger ships - Arrangement, (WG 3), IMO-link-NR 17
- [01.12] ISO/NP 15371 Fire extinguishing systems for protection of galley deep fat cooking equipment - Fire testing, (WG 3), IMO-link-NR 46
- [01.13] ISO/CD 15372 Ships and marine technology - Inflatable rescue boats - materials, (WG 1), IMO-link-NR 53
- [01.14] ISO/NP 15736 Ships and marine technology - Pyro-technic distress signals - Testing, (WG 1), IMO-link-NR 60
- [01.15] *to be deleted*ISO/NP 15737 Ships and marine technology - Life-jacket lights - Testing, (WG 1), IMO-link-NR 61, (deferred, waiting for IMO results)
- [01.16] ISO/CD 15734 Ships and marine technology - Hydrostatic release units, (WG 1), IMO-link-NR 57
- [01.17] ISO/NP 15738 Ships and marine technology - Gas inflation systems for inflatable survival craft and marine evacuation systems, (WG 1), IMO-link-NR 59
- [01.18] ISO/NP 15735 Ships and marine technology - Servicing of inflatable Life rafts - Certification of servicing technicians and format of servicing records, (WG1), IMO-link-NR 58
- [01.33] ISO/AWI 16848 Ships and marine technology - Pilot accommodation ladder, (WG 2), IMO-link-NR43

Proposals: 29, including 3 revisions

- [01.03] Revision of ISO 5489:1986, WG 2
- [01.05] Revision of ISO 6067:1985, see [04.26] NWI 15516
- [01.07] Revision of ISO 7364:1983, request CEN/TC 300
- [01.19] Inflatable liferaft stability
- [01.20] Composite materials
- [01.21] Powered pilot hoists
- [01.22] Ships and marine technology - Safety plans for fire protection, life saving appliances and means of escape - Arrangement, (WG 3), IMO-link-NR 14 ?, NR 17?, (see also item 01.32), under ballot 98-05-04
- [01.23] Fire test procedure for approval of non-combustible composites
- [01.24] Fire test procedure for approval of composites use on HSCs
- [01.25] Fire door construction standard
- [01.26] Fire test procedure for approval of glass divisions and windows
- [01.27] Test method for approving Low location lighting systems, IMO-link-NR 17
- [01.28] Standard for placement of shipboard fire extinguishers
- [01.29] Supplement for fixed water mist fire extinguishing systems
- [01.30] Test method for approving fire extinguishers

- [01.31] Standard for approving Halon alternative agents and fire extinguishing systems, IMO-link-NR 21
- [01.32] Shipbuilding - Symbols for structural fire protection plans (Danish standard DS 2392), WG 3
- [01.34] Width of escape stairways on passenger ships, IMO-link-NR 16
- [01.35] Life saving appliance, IMO-link-NR 18
- [01.36] Immersion suits, anti exposure suits, thermal protective aids and marine evacuation systems, IMO-link-NR 19
- [01.37] Sprinkler systems, IMO-link-NR 20
- [01.38] Design and operation of passenger ships to the needs of elderly and disabled persons, IMO-link-NR 38
- [01.39] Shipboard fire control plans
- [01.40] Risk analysis of escape routes, IMO-link-NR 38
- [01.41] Sea anchors for lifeboats and liferafts, WG 1, (UK)
- [01.42] Production testing of life-jacket lights (and other position indicating lights), WG 1, (UK)
- [01.43] Prototype testing of pyro technic life-saving appliances, WG 1, (Comet GmbH)
- [01.44] Pilot hoists, WG 2
- [01.45] Type and arrangements of safety signs, WG 3

ISO/TC 8/SC 2 Marine environment protection

Chairman: Mr. Joseph J. Angelo (USA)
Secretariat: Cdt. J.K. Dabney (U.S. Coast Guard)

Scope: Standardization of marine pollution abatement materials, equipment and technologies and associated marine environmental protection operational procedures to be used in the building and operation of vessels; comprising sea-going ships, vessels for inland navigation, offshore structures, ship-to-shore interfaces and all other marine structures subject to IMO requirements.

SC 2 Meetings:

- 1) 1995-04-25/26 New York City, USA
- 2) 1996-06-18/19 Oslo, Norway
- 3) 1997-06-17/18 Odense, Denmark
- 4) 1998-06-16/17 Lisboa, Portugal

Working Groups:

WG 1 Discharge control (no convener)

Work Items assigned to WG 1: [02.04], [02.05], [02.06], [02.07], [02.08], [02.09], [02.10], [02.11], [02.13],

WG 3 Environmental response (convener Mrs Margaret D. Blum, USA)

Work Items assigned to WG 3: [02.30], [02.31], [02.32], [02.33], [02.34], [02.35], [02.36], [02.37], [02.38], [02.39], [02.40], [02.41]

WG3-meetings:

- 1) 1995-12-14 Washington D.C., USA
- 2) 1996-04-18 Washington D.C., USA
- 3) 1998-06-15 Lisboa, Portugal

Published standards: none

Approved Work items: 2

- [02.30] ISO/NP Standard terminology relating to environmental response (WG 3, project leader Mr. Anthony Lorenzo, Canada), (SC 2 WI 97001)
- [02.31] ISO/NP Standard specification for oil spill response barrier compatibility (WG 3, project leader Commander Keith Dabney, USA), (SC 2 WI 97002)

Proposals: 39

- [02.01] Alternative tanker design guidelines, IMO-link-NR 22
- [02.02] Effluent standards, IMO-link-NR 55
- [02.03] Environmental protection relating to Drinking water supply systems and drainage systems
- [02.04] Oil water separators (WG 1, topic 1)
- [02.05] Gray water treatment (WG 1, topic 2)
- [02.06] Black water treatment (WG 1, topic 3)
- [02.07] Sandblasting alternatives (WG 1, topic 4)
- [02.08] Vapor recovery (WG 1, topic 5) (=?= Preventing of air pollution from ships), IMO-link-NR 23

- [02.09] Compaction (WG 1, topic 6)
- [02.10] On-deck spill containment (WG 1, topic 7)
- [02.11] Communitation, maceration (WG 1, topic 8)
- [02.12] Sludge collection and disposal (former WG 2)
- [02.13] Ship Shore interface (WG 1, topic 10)
- [02.14] SOX elimination/minimization (WG 1 ??)
- [02.15] NOX elimination minimization (WG 1 ??)
- [02.16] Shipboard incineration (WG 1 ??)
- [02.17] Emergency towing assemblies (former WG 2, topic 1)
- [02.18] Lightering (former WG 2, topic 2)
- [02.19] Shipboard damage assessment (former WG 2, topic 3)
- [02.20] Other environmentally benign shipbuilding and repair (former WG 2, topic 4)
- [02.21] Control and salvage operations (former WG 2, topic 5)
- [02.22] Tug escorts (former WG 2, topic 6)
- [02.23] Environmental assessments prior to entering shipyard (former WG 2, topic 7)
- [02.24] Ballast water management & control of non-indigenous aquatic nuisance species (former WG 2, topic 8)
- [02.25] Damage assessment (former WG 2, topic 9)
- [02.26] Stability and residual structural damage (former WG 2, topic 10)
- [02.27] Strength assessment (former WG 2, topic 11)
- [02.28] Anti fouling paints (former WG 2, topic 12)
- [02.29] Tankerman training (former WG 2 ??)
- [02.32] Oil spill shoreline damage assessment (WG 3, topic 1), preliminary draft proposal available
- [02.33] Environmental priorities (WG 3, topic 2)
- [02.34] Oil spill remote sensing and surveillance technology (WG 3, topic 3), preliminary draft proposal
- [02.35] Oil spill prevention, response and cleanup training (WG 3, topic 4), preliminary draft proposal
- [02.36] Alternative chemical countermeasures (WG 3, topic 5), preliminary draft proposal
- [02.37] Spill response planning and management (WG 3, topic 6), preliminary draft proposal
- [02.38] Mechanical equipment for oil spill containment and recovery (WG 3, topic 7), under ballot, 98-01-22
- [02.39] Chemical dispersants for oil spills (WG 3, topic 8), preliminary draft proposal
- [02.40] In-situ burning of spilled oil (WG 3, topic 9), preliminary draft proposal
- [02.41] Bio-remediation of oil spills (WG 3, topic 10), preliminary draft proposal

ISO/TC 8/SC 3 Piping and machinery

Chairman: Mr. Jack P. Janetatos (USA) (1995 - 2000)
Secretariat: Mr. Thomas M. Hopkins (MMA, USA)

Scope: Standardization of design, construction, equipment and technology for piping and machinery used in shipbuilding and the operation of ships, comprising sea-going ships, fishing vessels and trawlers, vessels for inland navigation, offshore structures, ship-to-shore interfaces, and all other marine structures subject to IMO requirements.

SC 3 Meetings:

- 1) 1995-09-14/15, Washington D.C., USA
- 2) 1996-10-04/05, Hamburg, Germany
- 3) 1997-09-17/19, Odense, Denmark
- 4) 1998-09-16/18 Zoetermeer, Netherlands
- 5)

Working Groups:

WG 1 Piping and ducting systems - Identification colours (Convener Mr. H.-Ch. Schade, DIN)

Work Items assigned to WG 1: [03.08], [03.23], [03.24],

WG 2 Incinerators on board ships (Convener Mr. Howard Hime, ANSI)

Work Items assigned to WG 2: [03.22]

WG 3 Ship machinery (Convener Mr. Harold Greiner, ANSI)

- Task group 1 Mechanical seals for shipboard pump applications, leader Mr. Greiner
- Task group 2 Auxiliary single stage turbines for shipboard use, leader Mr. David Choate
- Task group 3 Centrifugal pumps for shipboard use, leader: to be appointed

Work Items assigned to WG 3: [03.37], [03.38], [03.39]

WG 3 Meetings

- 1) 1996-12-11 New Orleans, USA
- 2) 1997-05-06 St. Louis, USA
- 3) 1997-10-07 Scottsdale, USA
- 4) 1997-12-09/11 San Diego, USA
- 5)

WG 4 Epoxy resin fiberglass pipe and fittings for shipboard use (Convener Mr. Richard H. Lea, ANSI)

Work Items assigned to WG 4: [03.40],

WG 5 Pressure/vacuum valves for cargo tanks (Convener Mr. Wayne Lundy, ANSI)

Work Items assigned to WG 5: [03.25]

WG 6 Potable water systems and drainage systems (Convener Mr. H.-Ch Schade, DIN)

Work Items assigned to WG 6: [03.28], [03.29], [03.30], [03.31], [03.32], [03.33], [03.34],

WG 7 Heating, ventilation and airconditioning (Convener Mr. Vincent Giordano, ANSI)

Work Items (to be) assigned to WG 7: [03.14], [03.15 ?], [03.16], [03.17], [03.18], [03.19], [03.20 ?], [03.21],

WG 8 Piping systems (Convener Mr. Douglas R. Dole, ANSI)

- Task group 1 - Performance specification for gasketed mechanical couplings used in piping applications, leader Mr. Douglas R. Dole
- Task group 2 - Performance specifications for fittings for use with gasketed mechanical couplings, leader Mr. Douglas R. Dole

Work Items assigned to WG 8: [03.41], [03.42]

Published standards: 22

- [03.01] ISO 484-1:1981, confirmed 1996
- [03.02] ISO 484-2:1981, confirmed 1996
- [03.03] ISO/R 538:1967, revision transferred to ISO/TC 10, ISO/IEC 14617
- [03.04] ISO/R 644:1967, revision transferred to ISO/TC 10, ISO/IEC 14617
- [03.05] ISO/R 784:1968, revision transferred to ISO/TC 10, ISO/IEC 14617
- [03.06] ISO 3715:1978 + AM1:1986, in revision in two parts, see [03.06] and [03.35]
- [03.07] ISO 5483:1977, in revision
- [03.08] ISO 5571:1981, confirmed 1997, to be integrated in ISO 14726 [03.23]
- [03.09] ISO 5620-1:1992, confirmed 1997
- [03.10] ISO 5620-2:1992, confirmed 1997
- [03.11] ISO 5621:1984, confirmed 1989
- [03.12] ISO 5625:1978, confirmed 1995
- [03.13] ISO 6454:1984, confirmed 1994
- [03.14] ISO 7547:1985, in revision (WG 7)
- [03.15] ISO 8861:1998, (WG 7 ?)
- [03.16] ISO 8862:1987, reconfirmed 1997,(WG 7)
- [03.17] ISO 8863:1987, reconfirmed 1997,(WG 7)
- [03.18] ISO 8864:1987, reconfirmed 1997,(WG 7)
- [03.19] ISO 9099:1987, reconfirmed 1997,(WG 7)
- [03.20] ISO 9785:1990 + COR:1991, in revision, IMO-link-NR 25, (WG 7 ?)
- [03.21] ISO 9943:1991, reconfirmed 1997, WG 7
- [03.22] ISO 13617:1995, in revision, IMO-link-NR 13

Approved Work items: 23, including 6 revisions

- [03.06] ISO/CD 3715-1 Ships and marine technology - Propulsion plants for ships - Part 1; Geometry of propeller plants - Term and definitions (Revision of: ISO 3715:1978, see also part 2, item [03.35]) (project leader Mr. Schade, DIN), under ballot 98-02-28
- [03.07] ISO/CD 5483 Drain facilities from oil and water tanks (Revision of ISO 5483:1977), (Project leader Mr. Van Dijk, DS), under ballot 97-12-31
- [03.08] ISO/WD 5571 Shipbuilding - Identification colours for schemes for ventilation systems (Revision of ISO 5571:1981), WG 1, to be incorporated in ISO 14726 see [03.23] and [03.24]
- [03.14] ISO/CD 7547 Airconditioning and ventilation of accommodation spaces on board ships - Design conditions and basis of calculations (Revision of ISO 7547:1985), WG 7, (project leader Mr. Harold F. Greiner, ANSI)
- [03.20] ISO/CD 9785 Shipbuilding - Ventilation of cargo spaces where internal combustion engine vehicles may be driven - Calculation of theoretical total airflow required (Revision of ISO 9785:1990 and its corrigendum 1:1991), project leader Mr Wayne Lundy, ANSI, IMO-link-NR 25, WG 7 ?

- [03.22] ISO/NP 13617-Amd1 Shipbuilding - Shipboard incinerators - Requirements (Revision of ISO 13617:1995), (WG 2), IMO-link-NR 13
- [03.23] ISO/DIS 14726-1.2 Ships and marine technology - Identification colours for the content of piping systems - Part 1: Main colours and media, (WG1), IMO-link-NR 2, approved
- [03.24] ISO/WD 14726-2 Ships and marine technology - Identification colours for the content of piping systems - Part 2: Additional colours for different substances, (incorporating the revision of ISO 5571, see [03.08] ?), WG 1, IMO-link-NR 2
- [03.25] ISO/CD 15364 - Ships and marine technology - Standard for pressure/vacuum valves for cargo tanks (WG 5, USA), IMO-link-NR 34
- [03.26] ISO/DIS 15540 Fire resistance of hose assemblies - Test methods (project leader Mr. H.Ch Schade, Germany), IMO-link-NR 47, voting 98-07-12
- [03.27] ISO/DIS 15541 Test bed requirements for the assessment of hose assembly fire resistance (project leader Mr. H.-Ch Schade, Germany), IMO-link-NR 47, voting 98-07-12
- [03.28] ISO/DIS 15748-1 Drinking water supply systems on ships - Part 1: Planning and design, (WG 6), (Project leader Mr. H.Ch. Schade, DIN)
- [03.29] ISO/DIS 15748-2 Drinking water supply systems on ships - Part 2: Method of calculation, (WG 6), (Project leader Mr. H.Ch. Schade, DIN)
- [03.30] ISO/WD 15749-1 Drainage systems - Part 1: Sanitary drainage systems design, (WG 6), IMO-link-NR 26
- [03.31] ISO/WD 15749-2 Drainage systems - Part 2: Drain lines in gravity systems, (WG 6), IMO-link-NR 26
- [03.32] ISO/WD 15749-3 Drainage systems - Part 3: Drain lines in vacuum systems, (WG 6), IMO-link-NR 26
- [03.33] ISO/WD 15749-4 Drainage systems - Part 4: Sewage disposal pipes, (WG 6), IMO-link-NR 26
- [03.34] ISO/WD 15749-5 Drainage systems - Part 5: Drainage of decks, cargo holds and swimming pools, (WG 6), IMO-link-NR 26
- [03.35] ISO/CD 3715-2 Ships and marine technology - Propulsion plants for ships - Part 2: Controlable pitch propeller plants - Terms and definitions (Revision of ISO 3715:1978, see also part 1, item [03.06]), (Project leader Mr. Schade, DIN), under ballot 98-02-28
- [03.37] ISO/NP 16288 Ships and marine technology - Mechanical seals for shipboard pump applications (WG 3, ANSI)
- [03.40] ISO/NP 15840 Thermosetting resin fiberglass pipe and fittings to be used for marine applications (WG4, ANSI), IMO-link-NR 27
- [03.41] ISO/NP 15837 Performance of gasketed mechanical couplings for use in piping applications (project leader Mr. Douglas R. Dole, ANSI) (WG 8) Task group 1
- [03.42] ISO/NP 15838 Performance of fittings for use with gasketed mechanical couplings used in piping applications, (project leader Mr. Douglas R. Dole, ANSI) (WG 8) Task group 2

Proposals: 3 - 1 = 2

- [03.36] *to be deleted* Code on alarms and indicators, IMO-link-NR 24
- [03.38] Auxiliary single stage steam turbines for shipboard use (WG 3, ANSI)
- [03.39] Centrifugal pump for shipboard use (WG 3, ANSI)

ISO/TC 8/SC 4 Outfitting and deck machinery

Chairman: Mr. Cui Ruosong (China)
Secretariat: Mr. Xia Yongnan (SMERI)

Scope: Standardization of design, construction and operation of equipment and technology for ship outfitting and deck machinery; including ship-to-shore interface, cargo systems and lifting gear etc. used in shipbuilding and the operation of ships in support of the requirements developed by the international Maritime Organization (IMO) and the needs of the world maritime industry

SC 4 Meetings:

- 1) 1996-08-13/14 Shanghai, China
- 2) 1998 ?? Denmark

Working Groups:

WG 1 Launching appliances for davit launched lifeboats (Convener Mr. Xu Yue, China)

Work items assigned to WG 1: [04.26]

WG 2 Deck machinery (Convener Mr. Huang Xiechu, China)

Work Items assigned to WG 2: [04.04], [04.05], [04.11], [04.15] ?, [04.16], [04.22]

WG 3 Outfitting (Convener: Denmark will investigate)

Work Items assigned to WG 3: [04.01], [04.17], [04.19],

Published standards: 24

- [04.01] ISO 1704:1991, 1996: revision, WG 3
- [04.02] ISO 3078:1987, confirmed 1996, periodical review 1997
- [04.03] ISO 3730:1988
- [04.04] ISO 3828:1984, 1996: revision, WG 2
- [04.05] ISO 4568:1986, confirmed 1991, 1996: revision, WG 2
- [04.06] ISO 6043:1985, confirmed 1995, 1996
- [04.07] ISO 6044:1985, confirmed 1995, 1996
- [04.08] ISO 6045:1987, confirmed 1992, 1996, periodical review 1997
- [04.09] ISO 6115:1988 (= EN ISO 6115)
- [04.10] ISO 6325:1987, confirmed 1992, periodical review 1997
- [04.11] ISO 6482:1980, confirmed 1995, revision, WG 2
- [04.12] ISO 6555:1988, confirmed 1996
- [04.13] ISO 6812:1983, confirmed 1993, 1996
- [04.14] ISO 7365:1983
- [04.15] ISO 7824:1986, confirmed 1991, 1996: WG 2 to consider revision
- [04.16] ISO 7825:1985, confirmed 1995, revision WG 2
- [04.17] ISO 8146:1985, confirmed 1995, revision WG 3
- [04.18] ISO 8147:1995
- [04.19] ISO 8148:1985, confirmed 1995, revision WG 3
- [04.20] ISO 8314:1987, confirmed 1992, 1996, periodical review 1997
- [04.21] ISO 8431:1988
- [04.22] ISO 9089:1989, confirmed 1992, revision WG 2
- [04.23] ISO 9367-1:1989, with ISO/TC 22/WG 7, proposal for revision from CEN/TC 300 and BSI
- [04.24] ISO 9367-2:1994, with ISO/TC 22/WG 7, proposal for revision from CEN/TC 300 and

BSI

Approved Work items: 2

- [04.25] ISO/NP 13819-4 Petroleum and Natural Gas Industries - Offshore structures - Part 4: Floating structures (including Tension leg platforms based on API RP 2T) (Anchoring systems for MODU, with ISO/TC 67/SC 7/WG 5/P 5), IMO-link-NR 29
- [04.26] ISO/WD 15516 Ships and marine technology - Launching appliances for davit-launched lifeboats (Revision of ISO 6067 [belonging to SC 1 !], taking into account withdrawn ISO/CD 6066-1 and CD 6066-2), (WG 1, China), IMO-link-NR 51

Proposals: 12, including 11 revisions

- [04.01] Revision ISO 1704:1991 Shipbuilding - Stud link anchor chains (WG 3)
- [04.04] Revision ISO 3828:1984 Shipbuilding and marine structures - Deck machinery - Vocabulary (WG 2)
- [04.05] Revision ISO 4568:1986 Shipbuilding - Sea going vessels - Windlasses and anchor capstans (WG 2)
- [04.11] Revision ISO 6482:1980 Shipbuilding - Deck machinery - Warping end profiles (WG 2)
- [04.15] Revision ISO 7824:1986 Shipbuilding and marine structures - Lubrication nipples - Cone and flat end type (WG 2 to consider)
- [04.16] Revision ISO 7825:1985 Shipbuilding - Deck machinery - General requirements (WG 2)
- [04.17] Revision ISO 8146:1985 Shipbuilding and marine structures - Oval eye-plates (WG 3) (Mr. Van Dijk, Denmark, has recommended not to revise this standard !)
- [04.19] Revision ISO 8148:1985 Shipbuilding and marine structures - Derrick boom head-fittings - fixed type (WG 3) (Mr. Van Dijk, Denmark, has recommended not to revise this standard !)
- [04.22] Revision ISO 9089:1989 Marine structures - Mobile offshore units - Anchor winches (WG 2)
- [04.23] ISO/NP 9367-1 Lashing and securing arrangements on road vehicles for sea transportation on Ro/Ro ships - General requirements - Part 1: Commercial vehicles and combinations of vehicles, semi-trailers excluded (revision of ISO 9367-1:1989), proposed by CEN/TC 300 and BSI, Vienna Agreement, CEN lead
- [04.24] ISO/NP 9367-2 Lashing and securing arrangements on road vehicles for sea transportation on Ro/Ro ships - General requirements - Part 2: Semi-trailers (revision of ISO 9367-2:1994), proposed by CEN/TC 300 and BSI, Vienna Agreement, CEN lead
- [04.27] Guidelines for safe ocean towing, (Norway?), IMO-link-NR 39

ISO/TC 8/SC 5 Ships bridge layout

Chairman: Mr. G. Nolsøe (Denmark)
Secretariat: Mr. H-J. Mølstrand (DS)

Scope: Standardization of: - basic requirements for ships' bridge layout; - basic solution regarding the location of the different categories of instrument/equipment, as well as the arrangement and layout of the bridge; - dimensions of instruments, equipment and consoles to be used on the bridge, based on ergonomic principles taking into account wherever appropriate: - interfaces and protocols for integrated electronic systems upon ships' bridges
and - presentation of data and sensor readings on equipment upon ships' bridges

SC 5 Meetings:

- 1) 1995-04-11/12 Copenhagen, Denmark
- 2) 1997-04-10 Southampton, UK
- 3) 1998-autumn

Working groups:

WG 1 Ship's bridge for one person operation (Convener Mr. M. Berglund Simonsen, LOGIMATIC A/S, secretariat Mr. H-J. Mølstrand, Denmark)

Work Items assigned to WG 1: [05.02]

WG 1 meetings

- 1) 1996-06-26/27 Copenhagen, Denmark
- 2) 1996-11-14/15 Hamburg, Germany
- 3) 1997-04-08/09 Southampton, UK

Published Standards: 1

[05.01] ISO 8468:1990 Ship's bridge layout and associated equipment - Requirements and guidelines, confirmed 1995

Approved Work items: 1

[05.02] ISO/WD 14612 Ship's bridge layout and associated equipment for one person operation - Requirements and guidelines, (including requirements for Ships' bridges for High Speed Craft) (WG 1, project leader Mr. M. Berglund Simonsen), IMO-link-NR 15, IMO-link-NR 40 ?

Proposals: 2

[05.03] Electronic generated field of vision (waiting for IMO developments and ACSC-code), IMO-link-NR 63

[05.04] Watch alarm and transfer systems (waiting for paper on human factors and alarm under development in IMO), IMO-link-NR 64

ISO/TC 8/SC 6 Navigation

Chairman: Prof. Y. Iijima (Japan) (1999 -2001)
Secretariat: Mr. S. Arikawa (JISC/JMSA)

Scope: Standardization in the field of navigation, including instruments and systems etc., for navigation

SC 6 Meetings: No future meetings planned

Working Groups:

WG 1 Gyro-compasses (Convener: Mr. S. Arikawa, Japan)

Work Items assigned to WG 1: [06.06], [06.16]

WG 2 Marine echo-sounding equipment (Convener: Mr. S. Arikawa, Japan)

Work Items assigned to WG 2: [06.08]

WG 3 Magnetic compasses and binnacles (Convener: Prof. H. Suzuki, Japan)

Work Items assigned to WG 3: [06.01], [06.02], [06.05], [06.11], [06.13]

WG 4 Magnetic moment (Convener: Mr. H. -R. Uhlig, Germany)

Work Items assigned to WG 4: [06.03]

Work shop ISO/TR 11674

Meeting Work Shop: Tokyo, Japan, ` 1998-03-26

Published standards: 12

- [06.01] ISO 449:1997, 2nd edition, Magnetic compasses, binnacles and azimuth reading devices - Class A (proposed for implementation in CEN/TC 300)
- [06.02] ISO 613:1982+CORR1:1991, in revision
- [06.03] ISO/R 694:1968, in revision
- [06.04] ISO 1069:1973, confirmed 1995
- [06.05] ISO 2269:1992, confirmed 1997, WG 3
- [06.06] ISO 8728:1997, 2nd edition, Marine gyro-compasses (= EN ISO 8728:19..), IMO-link-NR 10, WG 12
- [06.07] ISO 8729:1997, 2nd edition, Marine radar reflectors (= EN ISO 8729:19..), IMO-link-NR 11
- [06.08] ISO 9875:1996, 2nd edition, Marine echo-sounding equipment (= EN ISO 9875:1997), IMO-link-NR 6, to be amended in line with IMO/NAV?
- [06.09] ISO 9876:1997, 2nd edition
- [06.10] ISO 10316:1990, proposal for revision
- [06.11] ISO 11606:1997 Marine electromagnetic compasses , IMO-link-NR 5, to be amended in line with IMO/NAV ?
- [06.12] ISO/TR 11674:1996, in revision, IMO-link-NR 1

Approved Work items: 8, including 5 revisions

- [06.02] ISO/CD 613 Shipbuilding - Magnetic compasses, binnacles and azimuth reading devices (Revision of ISO 613:1982) WG 3, Suzuki, under ballot 98-01-15

- [06.03] ISO/CD 694 Ships and marine technology - Positioning of magnetic compasses in ships (Revision of ISO/R 694:1968) (WG 4), (project leader Mr. H. -R. Uhlig, Germany), ballot 1998-04-16
- [06.08] ISO/CD 9875 Ships and marine technology - Marine echo-sounding-equipment revision of ISO 9875:1997, in line with IMO/NAV), WG 2, Shoji, IMO-link-NR06
- [06.11] ISO/CD 11606 Ships and marine technology - Marine electromagnetic compasses (revision of ISO 11606:1997, in line with IMO/NAV), WG 3, Suzuki, IMO-link-NR05, ballot 1998-06-30
- [06.12] ISO/CD 11674 Ships and marine technology - Heading control systems (Revision of ISO/TR 11674:1996, Project leader Prof K. Shoji), IMO-link-NR 1
- [06.13] ISO/DIS 14227 Small craft compasses (WG 3, with ISO/TC188/WG26)
- [06.15] ISO/CD 16329 Automatic steering aids for High Speed Craft, IMO-link-NR 49 , Project leader Prof. K. Shoji, ballot 1998-06-30
- [06.16] ISO/CD 16328 Gyro compasses for High Speed Craft, IMO-link-NR 50, WG 1, Project leader Prof. K. Shoji, ballot 1998-06-30

Proposals: 5, including 1 revision

- [06.10] ISO/NP 10316 Shipbuilding - Class B magnetic compasses - Tests and certification (Revision of ISO 10316:1990)
- [06.14] Radio equipment GMDSS, IMO-link-NR 4
- [06.17] Navigational charts (request from IHO, International Hydrographic Organization, in 1993, ref. 8 AG N 403) (Japan)
- [06.18] Ships and marine technology - Track control systems, IMO-link-NR 62, joint work with IEC/TC 80?
- [06.19] Performance requirements for night vision equipment for high speed craft (HSC), IMO-link-NR40, voting: 1998-05-27

ISO/TC 8/SC 7 Inland navigation vessels

Chairman: Mr. Y.N. Rumiantsev (Russian Federation) (1997 - 2002)
Secretariat: Mr. R.S. Gromov (LOT Central Research Institute)

Scope: Standardization of general issues, principal requirements, design elements, equipment and technology in the field of inland navigation vessels, including shipborne barges and dredging equipment

SC 7 Meetings: No future meetings planned

Working Groups: none

Published standards: 44

- [07.01] ISO 21:1985, reconfirmed 1995
- [07.02] ISO 3372:1975, confirmed 1985, periodical review 1997, to be withdrawn ?
- [07.03] ISO 3652:1975, reconfirmed 1995
- [07.04] ISO 3674:1976, reconfirmed 1995 (see EN 711:1995)
- [07.05] ISO 3786:1975, reconfirmed 1995
- [07.06] ISO 3876:1986, confirmed 1996
- [07.07] ISO 3913:1977 + AD1:1980, periodical review 1997, to be withdrawn ?
- [07.08] ISO 3926:1980, reconfirmed 1995, see item [07.52], prEN 12827, CEN/TC 15 (00015025)
- [07.09] ISO 3935:1977, periodical review 1997, new enquiry 1998 ?
- [07.10] ISO 3948:1977, periodical review 1997, new enquiry 1998 ?
- [07.11] ISO 3969:1979, reconfirmed 1996
- [07.12] ISO 4001:1977, periodical review 1997, new enquiry 1998, to be cancelled ?
- [07.13] ISO 4050:1977, reconfirmed 1996
- [07.14] ISO 4051:1977, reconfirmed 1995
- [07.15] ISO 4085:1979, reconfirmed 1995
- [07.16] ISO 4089:1979, reconfirmed 1995
- [07.17] ISO 4127-1:1979, reconfirmed 1995
- [07.18] ISO 4127-2:1980, reconfirmed 1995
- [07.19] ISO 4143:1981, reconfirmed 1996, see prEN 1914
- [07.20] ISO 4175:1979, reconfirmed 1995
- [07.21] ISO 5485:1986, confirmed 1996
- [07.22] ISO/TR 5987:1984
- [07.23] ISO 6205:1988, confirmed 1993
- [07.24] ISO 6216:1980, reconfirmed 1995
- [07.25] ISO 6217:1982, confirmed 1987, periodical review 1997, new enquiry 1998 ?
- [07.26] ISO 6218:1981, reconfirmed 1996, (CEN/TC 15: no longer up to date, a revision is requested)
- [07.27] ISO 6219:1983, reconfirmed 1993
- [07.28] ISO 6764:1985, reconfirmed 1995
- [07.29] ISO 6765:1985, reconfirmed 1995
- [07.30] ISO 6766:1984, reconfirmed 1995
- [07.31] ISO 7221:1984, reconfirmed 1995
- [07.32] ISO 7222:1985, reconfirmed 1995
- [07.33] ISO 7236:1991, confirmed 1996, or to be substituted by EN 929 ?
- [07.34] ISO 7255:1985, reconfirmed 1995
- [07.35] ISO 7545:1983, reconfirmed 1993
- [07.36] ISO 7606:1988, reconfirmed 1993
- [07.37] ISO 7607:1984, reconfirmed 1995
- [07.38] ISO 7608:1985, reconfirmed 1995
- [07.39] ISO 8303:1985, reconfirmed 1995

- [07.40] ISO 8304:1984, reconfirmed 1995
- [07.41] ISO 8384:1991, confirmed 1996, in revision with CEN/TC 15
- [07.42] ISO 8385:1990, confirmed 1995, in revision with CEN/TC 15
- [07.43] ISO 9382:1990, confirmed 1995
- [07.44] ISO 9437:1986, confirmed 1996

Approved Work items: 2, including 2 revisions

- [07.41] ISO/DIS 8384 Ships and marine technology - Dredgers - Vocabulary (Revision of ISO 8384:1991) (Vienna Agreement)
- [07.42] ISO/DIS 8385 Ships and marine technology - Dredgers - Classification (Revision of ISO 8385:1990) (Vienna Agreement)

Proposals: 8

- [07.45] Inland navigation vessels - Gangways with a length not exceeding 8 m - requirements, types (EN 526, proposal CEN/TC 15)
- [07.46] Inland navigation vessels - Railings for decks - Requirements, types (EN 711, proposal CEN/TC 15)
- [07.47] Inland navigation vessels - Stairs with inclination angles of 45° to 60° -Requirements, types (EN 790, proposal CEN/TC 15)
- [07.48] Inland navigation vessels - Push-tows - Mounting attachment for demountable signal masts (EN 929, proposal CEN/TC 15) to substitute ISO 7236 ?
- [07.49] Inland navigation vessels - Swing derricks (EN 1255, proposal CEN/TC 15)
- [07.50] Inland navigation vessels - Boarding ladders (EN 1502, proposal CEN/TC 15)
- [07.51] Inland navigation vessels - Ships boats (EN 1914)
- [07.52] Inland navigation vessels - Connections for fueling (prEN 12827), see item [07.08] = ISO 3926:1980

ISO/TC 8/SC 8 Structures

Chairman: Mr. Klaus Thiemer (Germany) (1995 - 2000)
Secretariat: Mr. H-Ch. Schade (NSTM/DIN)

Scope: Standardization of design, construction and structural elements for ships and maritime installations for definition of interfaces and creation of interchangeability as well as for determination of safety requirements

SC 8 Meeting: none

Working Groups:

WG 1 Bulk carriers (Convener Mr. Guang-Zong Ma, China)

Work Items assigned to WG 1: [08.20], [08.21]

WG 1 meetings

- 1) 96-01-09/10 Shanghai, China
- 2) 96-08-16/17 Shanghai, China

WG 2 Ship s windows and side scuttles

Work Items assigned to WG 2 : [08.01], [08.02], [08.04], 08.05], [08.13], [08.14], [08.15], [08.22],

WG * Doors (provisionally)

Work Items assigned to WG ** : [08.06], [08.17]

WG ** Hatches (provisionally)

Work items assigned to WG ***: [08.12], [08.16]

Published standards: 19

- [08.01] ISO 614:1989, wait for next review
- [08.02] ISO 1095:1989, wait for next review
- [08.03] ISO 1751:1993, periodical review 1998-06-30
- [08.04] ISO 3254:1989, wait for next review
- [08.05] ISO 3434:1992, periodical review 1997
- [08.06] ISO 3796:1976, confirmed 1990, in revision (= EN ISO 3796)
- [08.07] ISO 3797:1976, confirmed 1985
- [08.08] ISO 3902:1990, confirmed 1995
- [08.09] ISO 3903:1993, periodical review 1998-06-30
- [08.10] ISO 3904:1990, confirmed 1995
- [08.11] ISO 5480:1979, confirmed 1995
- [08.12] ISO 5778:1979, in revision
- [08.13] ISO 5779:1987, confirmed 1997
- [08.14] ISO 5780:1987, confirmed 1997
- [08.15] ISO 5797-1:1989, IMO-link-NR 8, to be examined
- [08.16] ISO 5894:1978, in revision
- [08.17] ISO 6042:1980, in revision
- [08.18] ISO 6345:1990, confirmed 1995
- [08.19] ISO 9519:1990

Approved Work items: 6, including 4 revisions

- [08.06] ISO/CD 3796 Ships and marine technology - Clear openings for external single-leaf doors (Revision of ISO 3796:1976, Germany, WG Doors ?) (SC 8 WI 001)
- [08.12] ISO/FDIS 5778 Small weather tight steel hatches (Revision of ISO 5778:1979, WG Hatches), (SC 8 WI 002), voting 1998-04-26
- [08.16] ISO/CD 5894 Ships and marine technology - Manholes with bolted covers (Revision of ISO 5894:1978, Germany, WG Hatches) (SC 8 WI 003), under ballot. Deadline 1997-11-25
- [08.17] ISO/FDIS 6042 Weather tight single-leaf steel doors (Revision of ISO 6042:1980, WG Doors), (SC 8 WI 004), ballot 1998-05-12
- [08.20] ISO/DIS 15401 Bulk carriers - Hull structure - Construction quality (WG 1), IMO-link-NR 3 (SC 8 WI 005), voting 98-04-20
- [08.21] ISO/DIS 15402 Bulk carriers - Hull structure - Repair quality (WG 1), IMO-link-NR 3 (SC 8 WI 006), voting 98-04-20

Proposals: 15, including 9 revisions

- [08.01] Revision of ISO 614:1989 Shipbuilding and marine structures - Toughened safety glass panes for rectangular windows and side scuttles - Punch method of non-destructing strength testing
- [08.02] Revision of ISO 1095:1989 Shipbuilding and marine structures - Toughened safety glass panes for side scuttles
- [08.04] Revision of ISO 3254:1989 Shipbuilding and marine structures - Toughened safety glass panes for rectangular windows
- [08.05] Revision of ISO 3434:1992 Shipbuilding and marine structures - Heated glass panes for ship's rectangular windows
- [08.07] Revision of ISO 3797:1976 Shipbuilding - Vertical steel ladders
- [08.13] Revision of ISO 5779:1987 Shipbuilding - Ordinary rectangular windows - Positioning
- [08.14] Revision of ISO 5780:1987 Shipbuilding - Side scuttles - Positioning
- [08.15] Revision of ISO 5797-1:1989 Shipbuilding and marine structures - Windows and side scuttles for fire-resistant constructions - Specifications - Part 1: "B" class divisions
- [08.19] Revision of ISO 9519:1990 Shipbuilding and marine structures - Rungs for dog-step ladders
- [08.22] ISO/CD 5797-2 Windows and side scuttles for fire resistant constructions - Specifications - Part 2: Fire resistant "A" class windows and side scuttles, IMO-link-NR 8
- [08.23] Hull stress monitoring systems (HSMS)/ Voyage data recorder, IMO-link-NR 33
- [08.24] Corrosion prevention systems for seawater ballast tanks, IMO-link-NR 35
- [08.25] Intact stability of double hull tankers, IMO-link-NR 41
- [08.26] Wash bulkheads in cargo tanks for double hull oil tankers, IMO-link-NR 56
- [08.27] Composite materials, IMO-link-NR 28

ISO/TC 8/SC 9 General requirements

Chairman: Mr. H. Koyama (Japan, JMSA) (1998 - 2003)
Secretariat: Mr. S. Arikawa (JISC/JMSA)

Scope: Investigate, develop and maintain standard specifications, test methods, definitions and practices for the design, construction and repair of marine vessels, shipboard quality assurance, human factors, management systems, regulatory requirements, technical data management.

SC 9 Meetings: none

Working groups:

WG 1 Review of existing maritime standards (Convener Mr. H. Koyama, Japan)

Work Items assigned to WG 1: [09.11]

WG 2 Sea trial (Convener: Prof. M. Ikehata)

Work Items assigned to WG 2: [09.10]

WG 2 meetings

- 1) 1996-06-06/07 Tokyo
- 2) 1998-06-23/24 Tokyo

WG 3 Compendium of standards (Convener Mr. A.W. van Dijk, Denmark)

Work Items assigned to WG 3: [09.12]

Published standards: 8

- [09.01] ISO 1964:1987, confirmed 1997
- [09.02] ISO 2412:1982, confirmed 1989, IMO-link-NR 7
- [09.03] ISO 3827-1:1977, to be withdrawn
- [09.04] ISO 3827-2:1977, to be withdrawn
- [09.05] ISO 3827-3:1977, to be withdrawn
- [09.06] ISO 3827-4:1977, to be withdrawn
- [09.07] ISO 3827-5:1979, confirmed 1995
- [09.08] ISO 6050:1987, confirmed 1997

Approved Work items: 4

- [09.09] ISO/TR 13298 Ships and marine technology - vocabulary - general (Project leader Mr. T. Ogawa, Japan), in print since 97-10-30
- [09.10] ISO/CD 15016 Ships and marine technology - General requirements - Guidelines for the assessment of speed and power performance by means of speed trials (WG 2, Project leader: Mr. R. Fujino, Japan), comments by 1998-05-25
- [09.11] ISO/DTR 15180 Review of maritime standards (WG 1, project leader Mr. H. Koyama, Japan)
- [09.12] ISO/DTR 15583 ISO Book of standards - Shipbuilding (Compendium of standards) (WG 3, project leader Mr. A.W. van Dijk, Denmark), 1997-04-30 available on diskette

Proposals: 12

- [09.13] NWI Standards for manoeuvrability (proposed by CEN/TC 300, Denmark), IMO-link-NR

52

- [09.14] Standard practices for human engineering design of marine systems (ASTM F-1166-59, proposal USA)
- [09.15] Wing in Ground (WIG) Craft, IMO-link-NR 32
- [09.16] Combined pusher tug-barge safety standards, IMO-link-NR 36
- [09.17] Guidelines for the design, construction and operation of passenger submersible craft, IMO-link-NR 37
- [09.18] Standards related to High Speed Craft (HSC), IMO-link-NR 40; see items [05.02], [06.15], [06.16], [06.19]
- [09.19] Standards on Ro-Ro ferry safety, IMO-link-NR 41
- [09.20] Open top container ships (ref. doc. 8 N 827, waiting for further feedback from operators, since 1994-09-08/12)
- [09.21] Compendium of definitions on watertight etc. (waiting for written proposal from Mr. A.W. van Dijk, since 1994-09-08/12)
- [09.22] Engine room arrangements, including human factors
- [09.23] Ship fenders, project leader Mr. Alexander , UK
- [09.24] Terms and definitions on navigation (provisionally, SC 6 or SC 9 ?)

ISO/TC 8/SC 10 Computer applications

Chairman: Mr. Staffan Robertson (Norway) (1996 - 2001)
Secretariat: Mr. I. Foss (NTS)

Scope: Standardization in the field of computer applications in shipbuilding and the operation of ships

SC 10 Meetings:

- 1) 1997-10-20 Hamburg, Germany
- 2) 1998-10-11 Maldon, U.K.

Working Groups: 1

WG 1 Guide for implementation of a fleet management network (convener Mr. Eugene D. Story, USA)

Work Items assigned to WG 1: [10.16]

Published standards: 12

- [10.01] ISO 5572:1987, reconfirmed 1997
- [10.02] ISO 6582:1983, confirmed 1988, wait for next periodical review
- [10.03] ISO 7460:1983, confirmed 1988, wait for next periodical review
- [10.04] ISO 7461:1984, confirmed 1989, wait for next periodical review
- [10.05] ISO 7462:1985, wait for next periodical review
- [10.06] ISO 7463:1990, proposal for revision from ITTC (1993), wait for next periodical review
- [10.07] ISO 7838:1984, confirmed 1989, wait for next periodical review
- [10.08] ISO 8193:1984, confirmed 1989, wait for next periodical review
- [10.09] ISO 8277:1988, periodical review 1993, wait for next periodical review
- [10.10] ISO 9203-1:1989, periodical review 1994, wait for next periodical review
- [10.11] ISO 9203-2:1989, periodical review 1994, wait for next periodical review
- [10.12] ISO 9203-3:1989, periodical review 1994, wait for next periodical review

Approved Work items: 1

- [10.16] ISO/WD 15849 Standard guide for implementation of a Fleet management system network, project leader Mr. Eugene D. Story, IMO-link-NR 54

Proposals: 6, including 2 revisions

- [10.05] ISO/NP 7462 Shipbuilding - Principal ship dimensions - terminology for computer applications (Revision of ISO 7462:1985), ballot 98-06-01
- [10.06] ISO/NP 7463 Shipbuilding and marine structures - Symbols for computer applications (Revision of ISO 7463:1990, request ITTC), ballot 98-06-01
- [10.13] Requirements of shipbuilding industry for STEP and CALS protocols
- [10.14] Guidelines for the on board use and application of computers (reference IEC/TC 18/WG 16), IMO-link-NR 31
- [10.15] Application of computers in determining ship stability, IMO-link-NR 45
- [10.17] Ship management DATA modeling, Mr. E. Story to draft NWI proposal, IMO-link-NR 54

Possibly also ISO 7461, ISO 7463, ISO 7838, ISO 9203-1, ISO 9203-2 and ISO 9203-3 will also have to be revised in the near future.

Annex A

List of IMO-link-NR's

The first column gives the IMO-link-NR as used in this document. An "R" in this column indicates that the item is "Requested" by IMO; all other items are initiated by ISO itself, but are regarded to be of interest to IMO as well.

The second column contains the Title of the subject, the relevant IMO bodies and relevant IMO Resolutions or other documents.

IMO	International Maritime Organization
MSC	Maritime Safety Committee
FP	Fire Protection
DE	Design and equipment
NAV	Safety of Navigation
SLF	Stability and Loadlines and Fishing vessels Safety
COMS	Radiocommunication and Search and Rescue
MEPC	Marine Environment Protection Committee
BLG	Bulk Liquids and Gases

The last column refers to the internal ISO/TC 8 work item number. Further information on these work items can be found under the relevant subcommittee, indicated by the first two digits of the work item number e.g. [06.12] indicating Sub committee 6, item 12.

1	Heading control systems MSC/NAV A.210(VII) A.342(IX) A.694(17) SOLAS 1974, Ch II-1, Reg 29 SOLAS 1974, Ch II-1, Reg 30 SOLAS 1981, Ch V, Reg 19	[06.12] ISO/CD 11674 "Ships and marine technology - Heading control systems", revision of ISO/TR 11674:1996 "Ships and marine technology - Automatic pilots"
2 R	Engine-room layout, design and arrangements MSC/DE (corresp. Group, G.P. Miante, US Coast Guard)	[03.23] ISO/DIS 14726-1 "Ships and marine technology - Piping systems - Identification colours for the content - part 1:Main colours and media" (revision of ISO/R 508) [03.24] ISO/WD 14726-2 Additional colours for different substances
3 R	Bulk carrier safety MSC/DE A.744(18) A.789(19) SOLAS Ch II-I, Part B-2	[08.20] ISO/DIS 15401 "Bulk carriers - Hull structure - Construction quality" [08.21] ISO/DIS 15402 "Bulk carriers - Hull structure - Repair quality"
4	Global maritime distress and safety systems (GMDSS) COMSAR A.694(17)	[06.14] Radio equipment GMDSS
5	Marine electromagnetic compasses NAV A.694(17)	[06.11] ISO 11606:1997 "Ships and marine technology - Marine electromagnetic compasses"
6	Marine echo sounding equipment MSC/NAV SOLAS 1981 Ch V, Reg 12 A.224(VII) (in revision)	[06.08] ISO 9875:1996 "Marine echo sounding equipment"

7	Colours of indicator lights	[09.02] ISO 2412:1982 "Colours of indicator lights"
8	Fire resistant constructions FP SOLAS 1974, Ch II, Reg 3	[08.15] ISO 5797-1:1989 [08.22] ISO/CD 5797-2 "Windows and side scuttles for fire resistant constructions"
9	Testing of lifesaving appliances DE A.689(17) (in revision) DE 39/8 SOLAS, Ch III	[01.04] ISO/TR 6065:1991 "Inflatable life rafts - Materials"
10	Marine gyro-compasses NAV SOLAS 1974, Ch V A.424(XI) A.694(17)	[06.06] ISO 8728:1997 "Ships and marine technology - Marine gyro-compasses"
11	Marine radar reflectors NAV A.384(X) A.477(XII) (in revision)	[06.07] ISO 8729:1997 "Ships and marine technology - Marine radar reflectors"
12	"deleted"	"deleted"
13	Shipboard incinerators R MEPC/DE MEPC.59(33) (in revision)	[03.22] ISO 13617:1995 "Shipbuilding - Shipboard incinerators - Requirements"
14	LSA symbols R DE A.760(18) (under review)	[01.08] ISO/TR 14564:1995 "Shipbuilding and marine structures - Marking of escape routes" [01.22] Safety plans for fire protection, lifesaving and means of escape
15	Ergonomic design criteria for bridge equipment and lay-out R NAV/correspondence group MSC/CIRC.566 SOLAS Ch 5.	[05.02] ISO/DP 14612 "Ship's bridge for one man operation"
16	Widths of escape stairways on passenger ships R FP A.757(18)	[01.34] "Width of escape stairways on passenger ships"
17	Low location lighting on passenger ships R FP SOLAS 1974,1988 and 1992, Ch II-2 A.654(16) A.752(18) A.760(18) MSC/Circ.451 MSC/Circ.699	[01.11] ISO/NP 15370 "Low location lighting on passenger ships" [01.22] Safety plans for fire protection, lifesaving and means of escape [01.27] Test method for approving Low Location lighting systems
18	Mandatory lifesaving Appliance (LSA) Code R DE SOLAS, Ch III, part C	[01.35] "Life saving appliance"

19 R	LSA testing and standard test reports (see also 51 and 53) DE A.689(17)	[01.36] "Immersion suits, anti-exposure suits, thermal protective aids and marine evacuation systems"
20 R	Sprinkler systems FP A.800(19) SOLAS Reg II-2/12	[01.37] "Sprinkler systems" (interest SC 3)
21 R	Alternative arrangements for Halon fire-extinguishing systems in machinery spaces MSC/FP MSC/Circ. 668	[01.31] "Standard for approving Halon alternative agents and fire extinguishing systems" (interest SC 3, although unlikely)
22 R	Alternative tanker design guidelines MEPC/BLG MEPC.66(37) MARPOL 73/78, Annex 1, Reg 13F(5)	[02.01] "Alternative tanker design guidelines"
23 R	Prevention of air pollution from ships MEPC/correspondence group, Comm. K. Eldridge, US Coast Guard new annex to MARPOL 73/78	[02.08] "Vapor recovery" interest SC 3
24 R?	Code on alarms and indicators MSC/DE A.686(17) A.830(19)	[03.36] * to be deleted * "Code on alarms and indicators" ISO 2412
25 R	Ventilation systems in ro-ro cargo spaces MSC	[03.20] ISO 9785:1980 "Shipbuilding - Ventilation of cargo spaces where internal combustion engine vehicles may be driven - Calculation of theoretical total airflow required"
26 R	Ship sewage systems MSC MSC/Circ.648	[03.30] ISO/WD 15749-1 [03.31] ISO/WD 15749-2 [03.32] ISO/WD 15749-3 [03.33] ISO/WD 15749-4 [03.34] ISO/WD 15749-5
27 R	Application of plastic pipes on ships DE A.753.(18)	[03.40] ISO/NP 15840 "Thermosetting resin fiberglass pipe and fittings to be used for marine applications"
28 R	Guidelines for the on-board use of composite materials MSC/FP	[08.27] "Composite materials"
29 R	Anchoring systems for MODU DE	[04.25] ISO/DP 13819-4 (JWG with ISO/TC67/SC7)
30	Requirements for safety assessment/risk analysis for offshore oil and gas exploration and exploitation industries DE	Ongoing work in ISO/TC67, "Station keeping systems for floating structures"

31 R	Guidelines for the on board use and application of computers DE	[10.14] "Guidelines for the on board use and application of computers"
32 R	Requirements for wing-in- ground (WIG) craft DE/correspondence group	[09.15] "Wing in Ground (WIG) Craft" interest SC 6
33 R	Hull stress monitoring system MSC/DE MSC/Circ.646	[08.23] "Hull stress monitoring systems (HSMS)/Voyage data recorders (VDS)"
34 R	Pressure/vacuum relief valves FP MSC/Circ.677	[03.25] ISO/NP 15364 "Pressure/Vacuum valves for cargo tanks"
35 R	Corrosion prevention system for seawater ballast tanks DE/correspondence group SOLAS Reg II-1/14-1 A.798(19)	[08.24] "Corrosion prevention systems for seawater ballast tanks"
36 R	Combined pusher tug-barge safety standards DE	[09.16] "Combined pusher tug-barge safety standards"
37 R	Guidelines for the design, construction and operation of passenger submersible craft DE	[09.17] "Guidelines for the design, construction and operation of passenger submersible craft"
38 R	Design and operation of passenger ships to the needs of elderly and disabled persons DE	[01.38] "Design and operation of passenger ships to the needs of elderly and disabled persons" [01.40] Risk analysis of escape routes
39 R	Guidelines for safe ocean towing DE/correspondence group	[04.27] "Guidelines for safe ocean towing"
40 R	High speed craft (HSC) Code , see NR 49 and NR 50 MSC/DE SOLAS, Ch X. MSC.36(63) MSC.44(65) MSC.45(65) MSC/Circ.687	[09.18] "Standards related to High Speed Craft" [05.02] ISO/WD 14612 "Ships bridge for one person operation "(part on HSC) [06.15] Automatic steering aids for HSC [06.16] Gyro compasses for HSC [06.19]
41 R	Intact stability of double hull tankers SLF MARPOL 73/78, Annex I, Reg 25A	[08.25] "Intact stability of double hull tankers"
42 R	Ro-Ro ferry safety SLF 1995 SOLAS CONF.3/46, res. 14 A.794(19)	[09.19] "Standards on Ro-Ro ferry safety" interest SC 3 because of "Drainage systems"

43	Pilot transfer arrangements NAV A.667(16) MSC/CIRC.568 RW1 SOLAS Reg V/17	[01.09] * to be deleted* ISO/NP 14613 "Embarking and leaving ship in open water" [01.01] revision of ISO 799 [01.02] revision of ISO 5488 [01.33] ISO AWI 16848 Pilot accommodation ladder
44	Life jackets	[01.10] * to be deleted * ISO/NP 14614 "IMO life jackets", transferred to ISO/TC 188
45	Application of computers in determining ship stability MSC/SLF	[10.15] "Application of computers in determining ship stability"
46	Guidelines for the application of systems protecting grease producing cooking equipment FP SOLAS 1974 Ch II-2, Reg 18	[01.12] ISO/NP 15371 "Ships and marine technology - Fire extinguishing systems for protection of galley deep fat frying equipment - Fire testing"
47	Fire resistance of hose assemblies DE/FP	[03.26] ISO 15540 "Fire resistance of hose assemblies - Test methods" [03.27] ISO 15541 "Test bed requirements for the assessment of hose assembly fire resistance"
48	(deleted, incorporated in 47)	(deleted)
49	Automatic pilots for HSC, see also NR40 A.822(19)	[06.15] ISO/NP 16329 "Automatic steering aids for HSC"
50	Gyro compasses for HSC, see also NR40 A.821(19)	[06.16] ISO/NP 16328 "Gyro compasses for HSC"
51	Testing of life saving appliances (see NR 19 and 53) A.689(17) SOLAS 1974, 1983	[04.26] ISO/WD 15516 "Shipbuilding and marine structures - Launching appliances for davit launched life-boats"
52	Ship manoeuvrability A.751(18)	[09.13] "Standards for manoeuvrability"
53	Testing of life saving appliances (see NR 19 and 51) A.689(17) MSC.48(66) SOLAS 1974 Ch III, Part C, Section I, Reg 30 and Section V, Reg 47	[01.13] ISO/CD 15372 "Ships and marine technology - inflatable rescue boats - materials"
54	Fleet management systems MSC	[10.16] ISO/NP 15849 "Standard guide for implementation of a Fleet management system network" [10.17] Ship management DATA modeling
55 R	Effluent standards MEPC 38, 96-07-01/10	[02.02] "Effluent standards"
56 R	Wash bulkheads in cargo tanks for double hull oil tankers MEPC 38, 96-07-01/10	[08.26] "Wash bulkheads"

57	Hydrostatic release units A.689(17) SOLAS 1992, Ch III, Reg 38.6	[01.16] ISO/CD 15734
58	Service and maintenance of inflatable liferaft A.761(18)	[01.18] ISO/NP 15735
59	Gas inflation systems for inflatable survival craft and marine ... SOLAS	[01.17] ISO/NP 15738
60	Pyrotechnic distress signals SOLAS III (1983) A.658(16) A.689(17)	[01.14] ISO/NP 15736
61	Life jackets lights	[01.15] ISO/NP 15737
62	Track control systems	[06.18]
63	Electronic generated field of vision	[05.03]
64	Watch alarm and transfer system	[05.04]

Index on IMO Resolutions

This index on IMO Resolutions and other relevant IMO documents refers to the IMO-link-NR according to annex A.

IMO Resolution or document	IMO-link-NR	Title or subject
A.210(VII)	NR01	Recommendation on steering gear for large ships
A.224(VII)	NR06	Performance standards for echo sounding equipment
A.342(IX)	NR01	Performance standards for Automatic Pilots
A.384(X)	NR11	Performance standards for radar reflectors
A.424(XI)	NR10	Performance standards for gyro-compasses
A.477(XII)	NR11	Performance standards for radar equipment
A.654(16)	NR17	Graphical symbols for fire control plans
A.667(16)	NR43	Pilot transfer arrangements
A.686(17)	NR24	Code on alarms and indicators
A.689(17)	NR09, 19, 51, 53, 57	Testing of lifesaving appliances" "Immersion suits, anti-exposure suits, thermal protective aids and marine evacuation systems (MES)
A.694(17)	NR01, 04, 05, 10, 12	General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids
A.751(18)	NR52	Interim standards for ship manoeuvrability
A.752(18)	NR17	Guide lines for the evaluation, testing and application of low location lighting (LLL) on passenger ships
A.753(18)	NR27	Guide lines for the application of plastic pipes on ships
A.757(18)	NR16	Widths of escape stairways on passenger ships
A.760(18)	NR14, 17	Symbols related to life-saving appliances
A.794(19)	NR42	Surveys and inspections of ro-ro passenger ships
A.798(19)	NR35	Guide lines for the selection, application and maintenance of corrosion prevention systems of seawater ballast tanks
A.800(19)	NR20	Revised guide lines for approval of sprinkler systems equivalent to that referred to in SOLAS regulation II-2/12 which revoked resolution A.755(18)
A.821(19)	NR50	Gyro-compasses for high-speed craft
A.822(19)	NR49	Automatic steering aids (automatic pilots) for high speed craft
A.830(19)	NR24	Code on alarms and indicators 1995
MEPC.59(33)	NR13	Revised guidelines for the implementation of Annex V of MARPOL 73/78 adopted on 30 October 1992
MSC.36(63)	NR40	High speed craft (HSC) Code", made mandatory by new SOLAS chapter X
MSC.44(65)	NR40	Standards for fixed sprinkler systems for high speed craft"
MSC.45(65)	NR40	Test procedures for fire-resisting divisions of high speed craft"
MSC.48(66)	NR 53	Adoption of the International Life-Saving Appliance (LSA) Code
MSC/Circ.451	NR17	Guidance concerning the location of fire control plans for the assistance of shoreside fire-fighting personnel" -
MSC/Circ.566	NR15	Trials on one man operated bridges may be executed" - NR15
MSC/Circ.568 Rev 1	NR 43	
MSC/Circ.646	NR33	Hull stress monitoring systems (HSMS)/voyage data recorders" for ships. -

MSC/Circ.648	NR26	Guidelines for the operation, inspection and maintenance of ship sewage systems
MSC/Circ.668	NR21	Alternative arrangements for halon fire-extinguishing systems in machinery spaces"
MSC/Circ.687	NR40	Emergency source of Power for category A high speed craft
MSC/Circ.699	NR17	Revised guidelines for passenger safety instruction" -
SOLAS 1974, ch. II , part B-2	NR03	
SOLAS 1974, ch. III	NR09	
SOLAS 1974, ch. III , part C	NR18	Life-saving Appliance (LSA) code
SOLAS 1974, ch. V	NR15	
SOLAS 1974, ch. II , reg. 3	NR08	Fire test procedure -
SOLAS 1974, ch. II-1, reg. 29 and 30	NR01	
SOLAS 1974, ch. II-2, reg. 18	NR46	Guidelines for the application of systems protecting grease producing cooking equipment"
SOLAS 1974, ch. III , part C, sec I, reg30	NR53	
SOLAS 1974, ch. III , part C, sec V, reg47	NR53	
SOLAS 1974, ch. V	NR10	
SOLAS 1981, ch. V , reg. 12	NR06	Shipborne navigational equipment
SOLAS 1981, ch. V , reg. 19	NR01	
SOLAS 1995 resolution 14	NR42	Regional arrangements on specific stability requirements for ro-ro passenger ships
SOLAS regulation II-1/14-1		(draft) concerning corrosion prevention of dedicated seawater ballast tanks of new oil tankers and bulk carriers

Index on ISO standard numbers

This index on ISO standard numbers refers to the internal ISO/TC 8 work item numbers used in this document and the IMO-link-NR's according to annex A.

Standard	Title	workitem	IMO-link-
ISO 21:1985	Shipbuilding - Inland navigation - Cable-lifters for stud-link anchor chains	07.01	
ISO 449:1997	Ships and marine technology - Magnetic compasses, binnacles and azimuth reading devices - Class A	06.01	
ISO 484-1:1981	Shipbuilding - Ship screw propellers - Manufacturing tolerances - Part 1: Propellers of diameter greater than 2,50 m	03.01	
ISO 484-2:1981	Shipbuilding - Ship screw propellers - Manufacturing tolerances - Part 2: Propellers of diameter between 0,80 and 2,50 m inclusive	03.02	
ISO/R 538:1967	Conventional signs to be used in schemes for the installations of pipeline systems in ships	03.03	
CD 613	Shipbuilding - Magnetic compasses, binnacles and azimuth reading devices - Class B (revision of ISO 613:1982)	06.02R	
ISO 613:1982	Shipbuilding - Magnetic compasses, binnacles and azimuth reading devices - Class B	06.02	
COR 613:1991	technical corrigendum to ISO 613:1982	06.02C	
NP 614	Revision ISO 614:1989	08.01R	
ISO 614:1989	Shipbuilding and marine structures - Toughened safety glass panes for rectangular windows and side scuttles - Punch method of non-destructive strength testing	08.01	
ISO/R 644:1967	Conventional signs to be used in schemes for the installation of ventilation systems in ships	03.04	
CD 694	Shipbuilding - Positioning of magnetic compasses in ships (revision of ISO/R 694:1968)	06.03R	
ISO/R 694:1968	Positioning of magnetic compasses in ships	06.03	
ISO/R 784:1968	Conventional signs to be used in schemes for the installation of sanitary systems in ships	03.05	
WD 799	Ships and marine technology - Pilot ladders (Revision of ISO 799:1986)	01.01R	NR43
ISO 799:1986	Shipbuilding - Pilot ladders	01.01	NR43
ISO 1069:1973	Magnetic compasses and binnacles for sea navigation - Vocabulary	06.04	
NP 1095	Revision of ISO 1095:1989	08.02R	
ISO 1095:1989	Shipbuilding and marine structures - Toughened safety glass panes for side scuttles	08.02	
NP 1704	Revision of ISO 1704:1991	04.01R	
ISO 1704:1991	Shipbuilding - Stud link anchor chains	04.01	
ISO 1751:1993	Shipbuilding and marine structures - Ships' side scuttles	08.03	

ISO 1964:1987	Shipbuilding - Indication of details on the general arrangement plans of ships	09.01	
ISO 2269:1992	Shipbuilding - Class A magnetic compasses, azimuth reading devices and binnacles - Tests and certification	06.05	
ISO 2412:1982	Shipbuilding - Colours of indicator lights	09.02	NR07
ISO 3078:1987	Shipbuilding - Cargo winches	04.02	

Standard	Title	workitem	IMO-link-
NP 3254	Revision of ISO 3254:1989	08.04R	
ISO 3254:1989	Shipbuilding and marine structures - Toughened safety glass panes for rectangular windows	08.04	
ISO 3372:1975	Shipbuilding - Inland vessels - Mushroom-type ventilator heads	07.02	
NP 3434	Revision ISO 3434:1992	08.05R	
ISO 3434:1992	Shipbuilding and marine structures - Heated glass panes for ships' rectangular windows	08.05	
ISO 3652:1975	Shipbuilding - Inland vessels - Rope reels	07.03	
ISO 3674:1976	Shipbuilding - Inland vessels - Deck rail	07.04	
CD 3715-1	Shipbuilding - Ship screw propellers - List of equivalent terms (revision of ISO 3715:1978)	03.06R	
CD 3715-2	Ships and marine technology - Propulsion plants for ships - Part 2: Controlable pitch propeller plants - terms and definitions	03.35	
ISO 3715:1978	Shipbuilding - Ship screw propellers - List of equivalent terms	03.06	
ISO 3715AM1:1986	Amendment 1 to ISO 3715-1978	03.06A	
ISO 3730:1988	Shipbuilding - Mooring winches	04.03	
ISO 3786:1975	Shipbuilding - Inland navigation towing hooks - Scale of tractive efforts	07.05	
CD 3796	Shipbuilding - Clear openings through frames for external single-leaf doors	08.06R	
ISO 3796:1976	Shipbuilding - Clear openings through frames for external single-leaf doors	08.06	
NP 3797	Revision ISO 3797:1976	08.07R	
ISO 3797:1976	Shipbuilding - Vertical steel ladders	08.07	
ISO 3827-1:1977	Shipbuilding - Co-ordination of dimensions in ships' accommodation - Part 1: Principles of dimensional co-ordination	09.03	
ISO 3827-2:1977	Shipbuilding - Co-ordination of dimensions in ships' accommodation - Part 2: Glossary of terms	09.04	
ISO 3827-3:1977	Shipbuilding - Co-ordination of dimensions in ships' accommodation - Part 3: Co-ordinating sizes for components and assemblies	09.05	
ISO 3827-4:1977	Shipbuilding - Co-ordination of dimensions in ships' accommodation - Part 4: Controlling dimensions	09.06	
ISO 3827-5:1979	Shipbuilding - Co-ordination of dimensions in ships' accommodation - Part 5: Co-ordinating sizes for key components	09.07	
NP 3828	Revision ISO 3828:1984	04.04R	
ISO 3828:1984	Shipbuilding and marine structures - Deck machinery - Vocabulary	04.04	
ISO 3876:1986	Shipbuilding - Inland vessels - Hand-holes	07.06	
ISO 3902:1990	Shipbuilding and marine structures - Gaskets for rectangular windows and side scuttles	08.08	
ISO 3903:1993	Shipbuilding and marine structures - Ships' ordinary rectangular windows	08.09	

Standard	Title	workitem	IMO-link-
ISO 3904:1990	Shipbuilding and marine structures - Clear-view screens	08.10	
ISO 3913:1977	Shipbuilding - Welded steel bollards	07.07	
AD1 3913AD1:1980	Addendum 1: Double bollards for inland navigation	07.07A	
ISO 3926:1980	Shipbuilding - Inland navigation - Couplings for oil and fuel reception - Mating dimensions	07.08	
ISO 3935:1977	Shipbuilding - Inland navigation - Fire-fighting water system - Pressures	07.09	
ISO 3948:1977	Shipbuilding - Inland vessels - Compressed-air systems - Pressure ranges	07.10	
ISO 3969:1979	Shipbuilding - Inland vessels - Operational documentation	07.11	
ISO 4001:1977	Shipbuilding - Inland navigation - Raft-type life-saving apparatus	07.12	
ISO 4050:1977	Shipbuilding - Inland vessels - "Rhine" and Hall's stockless anchors	07.13	
ISO 4051:1977	Shipbuilding - Inland vessels - Steering gear - Values of torques	07.14	
ISO 4085:1979	Shipbuilding - Inland navigation - Swing derricks	07.15	
ISO 4089:1979	Shipbuilding - Inland navigation - Sealing rubber for covers of cargo hatches	07.16	
ISO 4127-1:1979	Shipbuilding - Inland navigation - Fairleads - Part 1: Two-lip fairleads	07.17	
ISO 4127-2:1980	Shipbuilding - Inland navigation - Fairleads - Part 2: Roller fairleads	07.18	
ISO 4143:1981	Shipbuilding - Inland navigation - Open rowing lifeboats	07.19	
ISO 4175:1979	Shipbuilding - Shipborne barges, series 1: Main dimensions	07.20	
NP 4568	Revision ISO 4568:1986	04.05R	
ISO 4568:1986	Shipbuilding - Sea going vessels - Windlasses and anchor capstans	04.05	
ISO 5480:1979	Shipbuilding - Guardrails for cargo ships	08.11	
CD 5483	Drain facilities from oil and water tanks (Revision of ISO 5483:1977)	03.07R	
ISO 5483:1977	Shipbuilding - Oil and water drain screws	03.07	
ISO 5485:1986	Shipbuilding - Inland vessels - Fixed steel deck stairs	07.21	
ISO 5488:1979	Shipbuilding - Accomodation ladders	01.02	NR43
ISO 5489:1986	Shipbuilding - Embarkation ladders	01.03	
WD 5571	Shipbuilding - Identification colours for schemes for ventilation systems (Revision of ISO 5571:1981)	03.08R	
ISO 5571:1981	Shipbuilding - Identification colours for schemes for ventilation systems	03.08	
ISO 5572:1987	Shipbuilding and marine structures - Numbering of equipment and structural elements in ships	10.01	
ISO 5620-1:1992	Shipbuilding and marine structures- Filling connection for drinking water tanks - Part 1: General requirements	03.09	
ISO 5620-2:1992	Shipbuilding and marine structures - Filling connection for drinking water tanks - Part 2: Components	03.10	
ISO 5621:1984	Shipbuilding - Bilge mud boxes for machinery spaces and tunnels - General design characteristics	03.11	

Standard	Title	workitem	IMO-link-
ISO 5625:1978	Shipbuilding - Welded bulkhead pieces with flanges for steel pipework - PN 6, PN 10 and PN 16	03.12	
FDIS 5778	Shipbuilding - Small weathertight steel hatches (revision of ISO 5778:1979)	08.12R	
ISO 5778:1979	Shipbuilding - Small weathertight steel hatches	08.12	
NP 5779	Revision ISO 5779:1987	08.13R	
ISO 5779:1987	Shipbuilding - Ordinary rectangular windows - Positioning	08.13	
NP 5780	Revision ISO 5780:1987	08.14R	
ISO 5780:1987	Shipbuilding - Side scuttles - Positioning	08.14	
NP 5797-1	Revision ISO 5797-1:1989	08.15R	
ISO 5797-1:1989	Shipbuilding and marine structures - Windows and side scuttles for fire resistant constructions - Specifications - Part 1: "B" class divisions	08.15	NR08
CD 5797-2	Shipbuilding and marine structures - Windows for fire resistant constructions - Specifications - Part 2: Fire resistant "A" class windows and side scuttles (item deleted!)	08.22	NR08
CD 5894	Shipbuilding - Manholes with bolted covers (Revision of ISO 5894:1978)	08.16R	
ISO 5894:1978	Shipbuilding - Manholes with bolted covers	08.16	
ISO/TR 5987:1984	Inland navigation - Water fire-fighting system - Couplings of fire hoses - General technical requirements	07.22	
FDIS 6042	Shipbuilding - Weathertight single-leaf steel doors (revision of ISO 6042:1980)	08.17R	
ISO 6042:1980	Shipbuilding - Weathertight single-leaf steel doors	08.17	
ISO 6043:1985	Shipbuilding and marine structures - Eye and fork assemblies under tension load - Main dimensions	04.06	
ISO 6044:1985	Shipbuilding and marine structures - Derrick boom heel fittings - Main dimensions	04.07	
ISO 6045:1987	Shipbuilding and marine structures - Bearings for derrick goosenecks - Assemblies and components	04.08	
ISO 6050:1987	Shipbuilding - Bulbous bow and side thruster symbols	09.08	
ISO/TR 6065:1991	Shipbuilding and marine structures - Inflatable liferafts - Materials	01.04	NR09
NP 6067	Revision ISO 6067:1985	01.05R	
ISO 6067:1985	Shipbuilding and marine structures - Winches for life boats	01.05	
ISO 6115:1988	Shipbuilding - Trawl winches	04.09	
ISO 6205:1988	Inland navigation vessels - Customs sealing systems - Basic technical requirements	07.23	
ISO 6216:1980	Shipbuilding - Inland navigation - Pilot craft - Classification and basic requirements	07.24	
ISO 6217:1982	Shipbuilding - Inland navigation - Pilot craft - Identification painting and inscriptions	07.25	

Standard	Title	workitem	IMO-link-
ISO 6218:1981	Shipbuilding - Inland navigation - Coupling winches for push tows - Main dimensions	07.26	
ISO 6219:1983	Shipbuilding - Inland vessels - Windlasses and anchor capstans	07.27	
ISO 6325:1987	Shipbuilding - Cable stoppers	04.10	
ISO 6345:1990	Shipbuilding and marine structures - Windows and side scuttles- Vocabulary	08.18	
ISO 6454:1984	Shipbuilding - Strum boxes	03.13	
NP 6482	Revision ISO 6482:1980	04.11R	
ISO 6482:1980	Shipbuilding - Deck machinery - Warping end profiles	04.11	
ISO 6555:1988	Shipbuilding - Topping winches	04.12	
ISO 6582:1983	Shipbuilding - Numerical control of machines - ESSI format	10.02	
ISO 6764:1985	Shipbuilding - Shipborne barges, series 1 - Lifting post casting - Arrangement, dimensions and method of testing	07.28	
ISO 6765:1985	Shipbuilding - Shipborne barges, series 3 - Main dimensions	07.29	
ISO 6766:1984	Shipbuilding - Shipborne barges, series 4 - Main dimensions	07.30	
ISO 6812:1983	Roll on/Roll off ship to shore connection - Interface between terminals and ships with straight stern/bow ramps	04.13	
ISO 7061:1993	Shipbuilding - Aluminium shore gangways for seagoing vessels	01.06	
ISO 7221:1984	Shipbuilding and marine structures - Shipborne barges, series 1, on barge carriers - Principal technical requirements	07.31	
ISO 7222:1985	Shipbuilding - Shipborne barges, series 2 - Main dimensions	07.32	
ISO 7236:1991	Inland navigation vessels - Demountable signal masts for push-tows - Mounting attachment	07.33	
ISO 7255:1985	Shipbuilding - Active control units of ships - Vocabulary	07.34	
NP 7364	Revision ISO 7364:1983	01.07R	
ISO 7364:1983	Shipbuilding and marine structures - Deck machinery - Accommodation ladder winches	01.07	
ISO 7365:1983	Shipbuilding and marine structures - Deck machinery - Towing winches for deep sea use	04.14	
ISO 7460:1983	Shipbuilding - Shiplines - Identification of geometric data	10.03	
ISO 7461:1984	Shipbuilding - Shiplines - Numerical representation of elements of the hull geometry	10.04	
ISO 7462:1985	Shipbuilding - Principal ship dimensions - Terminology and definitions for computer applications	10.05	
NP 7463	Shipbuilding - Symbols for computer applications (Revision of ISO 7463:1990)	10.06R	
ISO 7463:1990	Shipbuilding - Symbols for computer applications	10.06	
ISO 7545:1983	Shipbuilding and marine structures - Inland navigation - Single-lock automatic couplings for push tows	07.35	

Standard	Title	workitem	IMO-link-
CD 7547	Air conditioning and ventilation of accommodation spaces on board ships - Design conditions and basis of calculations (revision of ISO 7547:1985)	03.14R	
ISO 7547:1985	Air conditioning and ventilation of accommodation spaces on board ships - Design conditions and basis of calculations	03.14	
ISO 7606:1988	Shipbuilding - Inland navigation vessels - Draught scales	07.36	
ISO 7607:1984	Shipbuilding - Inland navigation - Multi-bucket dredgers - Scale of bucket capacities	07.37	
ISO 7608:1985	Shipbuilding - Inland navigation - Couplings for disposal of oily mixture and sewage water	07.38	
NP 7824	Revision ISO 7824:1986	04.15R	
ISO 7824:1986	Shipbuilding and marine structures - Lubrication nipples - Cone and flat types	04.15	
NP 7825	Revision ISO 7825:1985	04.16R	
ISO 7825:1985	Shipbuilding - Deck machinery - General requirements	04.16	
ISO 7838:1984	Shipbuilding - Shiplines - Formats and data organization	10.07	
NP 8146	Revision ISO 8146:1985	04.17R	
ISO 8146:1985	Shipbuilding and marine structures - Oval eyeplates	04.17	
ISO 8147:1995	Shipbuilding and marine structures - Derrick rigs and component parts - Vocabulary	04.18	
NP 8148	Revision ISO 8148:1985	04.19R	
ISO 8148:1985	Shipbuilding and marine structures - Derrick boom headfittings - Fixed type	04.19	
ISO 8193:1984	Shipbuilding - Shell plating information	10.08	
ISO 8277:1988	Shipbuilding - Pipework - Information transfer	10.09	
ISO 8303:1985	Shipbuilding - Shipborne barges, series 3 - Main operational and technical requirements	07.39	
ISO 8304:1984	Shipbuilding - Shipborne barges, series 3 - Ventilation system - Principal mating dimensions	07.40	
ISO 8314:1985	Shipbuilding and marine structures - Trunnion pieces for span bearings and lead block bearings	04.20	
DIS 8384	Ships and marine technology - Dredgers - Vocabulary	07.41R	
ISO 8384:1991	Shipbuilding and marine structures -- Dredgers -- Vocabulary	07.41	
DIS 8385	Ships and marine technology - Dredgers - Classification (revision ISO 8385:1990)	07.42R	
ISO 8385:1990	Shipbuilding and marine structures -- Dredgers -- Classification	07.42	
ISO 8431:1988	Shipbuilding - Fixed jib cranes - Ship-mounted type for general cargo handling	04.21	
ISO 8468:1990	Ship's bridge layout and associated equipment - Requirements and guidelines	05.01	
ISO 8728:1997	Ships and marine technology - Marine gyro-compasses (= EN ISO 8728)	06.06	NR10

Standard	Title	workitem	IMO-link-
ISO 8729:1997	Ships and marine technology - Marine radar reflectors (= EN ISO 8729)	06.07	NR11
ISO 8861:1998	Shipbuilding - Engine room ventilation in diesel-engined ships - Design requirements and basis of calculations	03.15	
ISO 8862:1987	Air condition and ventilation of machinery control rooms on board ships - Design conditions and basis of calculations	03.16	
ISO 8863:1987	Ship's wheelhouse windows - Heating by hot air of glass panes	03.17	
ISO 8864:1987	Air-conditioning and ventilation of wheelhouse on board ships - Design conditions and basis of calculations	03.18	
NP 9089	Revision ISO 9089:1989	04.22R	
ISO 9089:1989	Marine structures - Mobile offshore units - Anchor winches	04.22	
ISO 9099:1987	Airconditioning and ventilation of dry provision rooms on board ships - Design conditions and basis of calculation	03.19	
ISO 9203-1:1989	Shipbuilding - Topology of ship hull structure elements - Part 1: Location of elements	10.10	
ISO 9203-2:1989	Shipbuilding - Topology of ship hull structure elements - Part 2: Description of elements	10.11	
ISO 9203-3:1989	Shipbuilding - Topology of ship hull structure elements - Part 3: Relations of elements	10.12	
NP 9367-1	Lashing and securing arrangements on road vehicles for sea transportation on Ro/Ro ships - general requirements - Part 1: Commercial vehicles and combinations of vehicles, semi-trailers excluded (revi	04.23R	
ISO 9367-1:1989	Lashing and securing arrangements on road vehicles for sea transportation on Ro/Ro ships - general requirements - Part 1: Commercial vehicles and combinations of vehicles, semi-trailers excluded	04.23	
NP 9367-2	Lashing and securing arrangements on road vehicles for sea transportation on Ro/Ro ships - general requirements - Part 2: Semi-trailers (revision)	04.24R	
ISO 9367-2:1994	Lashing and securing arrangements on road vehicles for sea transportation on Ro/Ro ships - general requirements - Part 2: Semi-trailers	04.24	
ISO 9382:1990	Shipborne barges, all series - Classification and main requirements	07.43	
ISO 9437:1986	Shipbuilding - Inland vessels - Matrosov anchors	07.44	
NP 9519	revision of ISO 9519:1990	08.19R	
ISO 9519:1990	Shipbuilding and marine structures - Rungs for dog-step ladders	08.19	
WD 9785	Shipbuilding - Ventilation of cargo spaces where internal combustion engine vehicles may be driven - Calculation of theoretical total airflow required (revision of ISO 9785:1990)	03.20R	NR25
ISO 9785:1990	Shipbuilding - Ventilation of cargo spaces where internal combustion engine vehicles may be driven - Calculation of theoretical total airflow required + Technical corrigendum 91-02-15	03.20	NR25

Standard	Title	workitem	IMO-link-
CD 9875	Shipbuilding - Marine echo-sounding equipment	06.08R	NR06
ISO 9875:1996	Ships and marine technology - Marine echo-sounding equipment	06.08	NR06
ISO 9876:1997	Ships and marine technology - Marine facsimile receivers for meteorological charts	06.09	
ISO 9943:1991	Shipbuilding - Ventilation and air-treatment of galleys and pantries with cooking appliances	03.21	
NP10316	Shipbuilding - Class B magnetic compasses - Tests and certification (revision of ISO 10316:1990)	06.10R	
ISO10316:1990	Shipbuilding - Class B magnetic compasses - Tests and certification	06.10	
CD11606	Ships and marine technology - Marine electromagnetic compasses	06.11R	NR05
ISO11606:1997	Ships and marine technology - Marine electromagnetic compasses	06.11	NR05
CD11674	Ships and marine technology - Heading control systems (Future ISO/IEC Technical Report, revision of ISO/TR 11674:1996)	06.12R	NR01
ISO/TR11674:1996	Ships and marine technology - Automatic pilots	06.12	
CDTR13298	Ships and marine technology - Vocabulary - Part 1: General	09.09	
WD13617	Shipbuilding - Shipboard incinerators - Requirements (Revision of ISO 13617:1995)	03.22R	NR13
ISO13617:1995	Shipbuilding - Shipboard incinerators - Requirements	03.22	NR13
DP13819-4	Anchoring systems for MODU	04.25	NR29
DIS14227	Small craft - Magnetic compasses	06.13	
ISO/TR14564:1995	Shipbuilding and marine structures - Marking of escape routes	01.08	NR14
WD14612	Ship's bridge layout and associated equipment for one-person operation - requirements and guidelines	05.02	NR15
WD14613	*to be deleted* Embarking and leaving a ship in open water (incorporating ISO 799 and ISO 5488)	01.09	NR43
WD14614	*to be deleted* Life jackets for seagoing ships (IMO)	01.10	NR44
DIS14726-1	Ships and marine technology - Identification colours for the contents of piping systems - Part 1: Main colours and media (Revision of ISO/R 508:1966)	03.23	NR02
WD14726-2	Ships and marine technology - Identification colours for the contents of piping systems - Part 2: Additional colours for different substances (Revision of ISO/R 508:1966)	03.24	NR02
CD15016	Ships and marine technology - Assessment of speed and power performance by means of speed trials	09.10	
**15180	Review of maritime standards (internal ISO/TC 8 doc)	09.11	
WD15364	Ships and marine technology - Standard for pressure/vacuum valves for cargo tanks	03.25	NR34
WD15370	Ships and marine technology - Low-Location Lighting on passenger ships - Arrangement	01.11	NR17
WD15371	Ships and marine technology - Fire extinguishing systems for protection of galley deep fat cooking equipment - Fire testing	01.12	NR46
CD15372	Ships and marine technology - Inflatable rescue boats - Materials	01.13	NR53

Standard	Title	workitem	IMO-link-
DIS15401	Bulk carriers - Hull structure - Construction quality	08.20	NR03
DIS15402	Bulk carriers - Hull structure - Repair quality	08.21	NR03
WD15516	Launching appliances for davit launched life-boats	04.26	NR51
DIS15540	Ships and marine technology - Fire resistance of hose assemblies - Test methods	03.26	NR47
DIS15541	Ships and marine technology - Fire resistance of hose assemblies - Requirements on the test bench	03.27	NR48
**15583	ISO book of standards - Shipbuilding (internal ISO/TC 8 doc)	09.12	
CD15734	Ships and marine technology - Hydrostatic release units	01.16	NR57
WD15735	Service and maintenance of inflatable liferafts	01.18	NR58
WD15736	Ships and marine technology - Pyro-technic distress signals	01.14	NR60
WD15737	Ships and marine technology - Lifejackets lights - Testing	01.15	NR61
WD15738	Gas inflation systems for inflatable survival craft and marine evacuation systems	01.17	NR59
CD15748-1	Ships and marine technology - Drinking water supply on ships and marine structures - Planning and design	03.28	
CD15748-2	Ships and marine technology - Drinking water supply on ships and marine structures - Method of calculation	03.29	
WD15749-1	Drainage systems on board ships - Part 1: Sanitary drainage systems design	03.30	NR26
WD15749-2	Drainage systems on board ships - Part 2; Drain lines in gravity systems	03.31	NR26
WD15749-3	Drainage systems on board ships - Part 3: Drain lines in vacuum systems	03.32	NR26
WD15749-4	Drainage systems on board ships - Part 4; Sewage disposal pipes	03.33	NR26
WD15749-5	Drainage systems on board ships - Part 5: Drainage of decks, cargo holds and swimming pools	03.34	NR26
WD15837	Ships and marine technology - Standard specification for performance of gasketed mechanical couplings for use in piping applications	03.41	
WD15838	Ships and marine technology - Standard specification for the performance of fittings for use with gasketed mechanical couplings used in piping applications	03.42	
WD15840	Ships and marine technology - Standard specification for thermosetting resin fiberglass pipe and fittings to be used for marine applications	03.40	NR27
WD15849	Standard guide for implementation of a fleet management system network	10.16	NR54
NP16288	Mechanical seals for shipboard pump applications	03.37	
NP16328	Gyro compasses for High Speed Craft HSC	06.16	NR50
NP16329	Automatic steering aids for high Speed Craft HSC	06.15	NR49
AWI 16848	Ships and marine technology - Pilot accommodation ladder	01.33	NR43

Annex D

The allocation of the numbers of work items to the Sub Committees is as follows:
(between brackets: number of revisions)

Sub committee	Published Standards	Work items		
		Approved	Proposed	Total
1 Lifesaving FP	8	9 (1)	29 (3)	38 (4)
2 Environment	-	2	39	41
3 Piping	22	23 (6)	2	25 (6)
4 Outfitting	24	2	12 (11)	14 (11)
5 Bridge	1	1	2	3
6 Navigation	12	8 (5)	5 (1)	13 (6)
7 Inland	44	2 (2)	8	10 (2)
8 Structures	19	6 (4)	15 (9)	21 (13)
9 General	8	4	12	16
10 Computer	12	1	6 (2)	7 (2)
total	150	58 (16)	130 (26)	188 (42)

Annex E

The IMO-link-NR's are assigned to the ISO/TC 8 Subcommittees and IMO bodies, as follows:

TC 8	IMO	MSC	FP	DE	NAV	SLF	COMS	MEPC	BLG
SC 1	44,535 7,5859 ,60 61	21	16,17 20,21 46	9,14 18,19 38	43				
SC 2								22,23 55	22
SC 3		2,24 25,26	34,47	2,13 24,27 47				13	
SC 4	51			29,39					
SC 5	63,64				15				
SC 6	49,50 62	1, 5			1, 5 6,10 11		4		
SC 7									
SC 8		3,28 33	8,28	3,33 35		41		56	
SC 9	7,52	40		32,36 37,40		42			
SC 10		45,54		31		45			
TC 67				30					

IMO International Maritime Organization
 MSC Maritime Safety Committee
 FP Fire Protection
 DE Design and equipment
 NAV Safety of Navigation
 SLF Stability and Loadlines and Fishing vessels Safety
 COMS Radiocommunication and Search and Rescue
 MEPC Marine Environment Protection Committee
 BLG Bulk Liquids and Gases