

INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS

REPORT



International Regulatory and Standardization Activities affecting the Offshore Oil and Gas Industries

26 March 2014

Intergovernmental Panel on Climate Change (IPCC)

On 27 September 2013, the IPCC posted online the full Working Group I contribution to the Fifth Assessment report. Among the [report's](#) conclusions:

- Warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia. The atmosphere and ocean have warmed, the amounts of snow and ice have diminished, sea level has risen, and the concentrations of greenhouse gases have increased.
- Each of the last three decades has been successively warmer at the Earth's surface than any preceding decade since 1850. In the Northern Hemisphere, 1983–2012 was likely the warmest 30-year period of the last 1400 years.
- Ocean warming dominates the increase in energy stored in the climate system, accounting for more than 90% of the energy accumulated between 1971 and 2010. It is virtually certain that the upper ocean (0–700 m) warmed from 1971 to 2010, and it likely warmed between the 1870s and 1971.
- Over the last two decades, the Greenland and Antarctic ice sheets have been losing mass, glaciers have continued to shrink almost worldwide, and Arctic sea ice and Northern Hemisphere spring snow cover have continued to decrease in extent.
- The rate of sea level rise since the mid-19th century has been larger than the mean rate during the previous two millennia. Over the period 1901–2010, global mean sea level rose by 0.17 to 0.21 m.
- The atmospheric concentrations of carbon dioxide (CO₂), methane, and nitrous oxide have increased to levels unprecedented in at least the last 800,000 years. CO₂ concentrations have increased by 40% since pre-industrial times, primarily from fossil fuel emissions and secondarily from net land use change emissions. The ocean has absorbed about 30% of the emitted anthropogenic CO₂, causing ocean acidification.
- Total radiative forcing is positive, and has led to an uptake of energy by the climate system. The largest contribution to total radiative forcing is caused by the increase in the atmospheric concentration of CO₂ since 1750.
- Human influence on the climate system is clear. This is evident from the increasing greenhouse gas concentrations in the atmosphere, positive radiative forcing, observed warming, and understanding of the climate system.
- Climate models have improved since the last report. Models reproduce observed continental-scale surface temperature patterns and trends over many decades, including the more rapid warming since the mid-20th century and the cooling immediately following large volcanic eruptions.

- Observational and model studies of temperature change, climate feedbacks and changes in the Earth's energy budget together provide confidence in the magnitude of global warming in response to past and future forcing.
- Human influence has been detected in warming of the atmosphere and the ocean, in changes in the global water cycle, in reductions in snow and ice, in global mean sea level rise, and in changes in some climate extremes. This evidence for human influence has grown since the last report. It is extremely likely that human influence has been the dominant cause of the observed warming since the mid-20th century.
- Continued emissions of greenhouse gases will cause further warming and changes in all components of the climate system. Limiting climate change will require substantial and sustained reductions of greenhouse gas emissions.
- Global surface temperature change for the end of the 21st century is likely to exceed 1.5°C relative to 1850 to 1900 for all RCP scenarios except RCP2.6. It is likely to exceed 2°C for RCP6.0 and RCP8.5, and more likely than not to exceed 2°C for RCP4.5. Warming will continue beyond 2100 under all RCP scenarios except RCP2.6. Warming will continue to exhibit interannual-to-decadal variability and will not be regionally uniform.
- Changes in the global water cycle in response to the warming over the 21st century will not be uniform. The contrast in precipitation between wet and dry regions and between wet and dry seasons will increase, although there may be regional exceptions.
- The global ocean will continue to warm during the 21st century. Heat will penetrate from the surface to the deep ocean and affect ocean circulation.
- It is very likely that the Arctic sea ice cover will continue to shrink and thin and that Northern Hemisphere spring snow cover will decrease during the 21st century as global mean surface temperature rises. Global glacier volume will further decrease.
- Global mean sea level will continue to rise during the 21st century. Under all RCP scenarios the rate of sea level rise will very likely exceed that observed during 1971–2010 due to increased ocean warming and increased loss of mass from glaciers and ice sheets.
- Climate change will affect carbon cycle processes in a way that will exacerbate the increase of CO₂ in the atmosphere. Further uptake of carbon by the ocean will increase ocean acidification.
- Cumulative emissions of CO₂ largely determine global mean surface warming by the late 21st century and beyond. Most aspects of climate change will persist for many centuries even if emissions of CO₂ are stopped. This represents a substantial multi-century climate change commitment created by past, present and future emissions of CO₂.

The WGIII (mitigating climate change) contribution to the IPCC Fifth Assessment Report "[Mitigation of Climate Change](#)" is scheduled to be completed in April 2014.

At its 37th session (14-18 October in Batumi, Georgia), the IPCC Plenary adopted the 2013 Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol (KP Supplement). The entire report, individual chapters/sections, various drafts, review comment sheets with authors' responses are available [here](#).

UNFCCC and Kyoto Protocol

Warsaw Climate Change Conference which was held in Warsaw, Poland from 11 to 23 November 2013 and included the 19th session of the Conference of Parties to the UNFCCC (COP 19) and the 9th session of the Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol (CMP 9). It was decided that COP 20 and CMP 10 will be held in Lima from 1 to 12 December 2014; COP 21 and CMP 11 will be held in Paris from 30 November to 11 December 2015; and COP 22 and CMP 12 in Dakar.

In association with these meetings, the Subsidiary Body for Scientific and Technological Advice held its 39th meeting (SBSTA 39), from 11 to 16 November 2013 and, as it had in the past, noted the information provided by the International Maritime Organization regarding its ongoing work on addressing emissions from fuel used for international maritime transport.

The Ad Hoc Working Group on the Durban Platform for Enhanced Action (ADP) held the fourth part of its second session from 10 to 14 March 2014 in Bonn, Germany. Reports from this session are not yet available.

Montreal Protocol

Treatment of ozone-depleting substances (ODS) used by ships

Dependent upon progress made by the Technology and Economic Assessment Panel in its review of alternatives for ODS, the Open-Ended Working Group will include consideration of ODS used by ships in the agenda for its 34th meeting in Paris from 14 to 18 July 2014.

United Nations Convention on the Law of the Sea (UNCLOS)

Commission on the Limits of the Continental Shelf

On 30 August 2013, the Federated States of Micronesia submitted [information](#) on the limits of the continental shelf beyond 200 nautical miles from the baselines from which the breadth of the territorial sea is measured in respect of the Eauripik Rise.

On 26 November 2013, Denmark submitted [information](#) in respect of the North-Eastern Continental Shelf of Greenland.

On 6 December 2013, Angola submitted [information](#) on the limits of the continental shelf beyond 200 nautical miles from the baselines from which the breadth of the territorial sea is measured.

On 6 December 2013, Canada submitted [information](#) on the limits of the continental shelf beyond 200 nautical miles from the baselines from which the breadth of the territorial sea is measured in the Atlantic Ocean. Canada also indicated that this was a partial submission, and that information on the limits of the continental shelf beyond 200 nautical miles in the [Arctic Ocean](#) at a later date

On 6 February 2014, the Bahamas submitted what appears to be partial [information](#) on the limits of the continental shelf beyond 200 nautical miles from the baselines from which the breadth of the territorial sea is measured.

The 33rd session of the Commission was held from 7 October to 22 November 2013 and its [statement](#) indicates consideration of the submissions made by the Russian Federation, in respect of the Sea of Okhotsk; Uruguay; the Cook Islands, in respect of the Manihiki Plateau; Argentina; Ghana; Iceland, in respect of the Ægir Basin area and the western and southern parts of Reykjanes Ridge; Denmark, in respect of the area north of the Faroe Islands; Pakistan; and Norway, in respect of Bouvetøya and Dronning Maud Land. No decisions were reached.

The 34th session of the Commission is scheduled to be held from 27 January to 14 March 2014.

The 35th session is scheduled to be held from 21 July to 5 September 2014.

The 36th session is planned to be held from 13 October to 28 November 2014.

United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea – 15th Meeting

The Open-ended Informal Consultative Process on Oceans and the Law of the Sea the 15th meeting is scheduled for 27 to 30 May 2014, with the focus of the meeting being: “The role of seafood in global food security.”

International Tribunal for the Law of the Sea (ITJ)

Peru v Chile maritime boundary dispute

On 27 January 2014, The International Court of Justice issued its [decision](#) in the long-standing dispute between Peru and Chile over their maritime boundary. The court determined that the maritime boundary (out to a distance of 80 nautical miles from shore) consisted of an extension along the parallel of latitude from the land boundary of the two nations. The Court did not determine the precise geographical co-ordinates: It had not been asked to do so. “The Court expects that the Parties will determine these co-ordinates in accordance with the present Judgment, in the spirit of good neighbourliness.”

International Court of Justice (ITLOS)

The Arctic Sunrise

On 21 October 2013, the Kingdom of the Netherlands asked ITLOS to consider its dispute with the Russian Federation relating to the Russian Federation's detention of the *Arctic Sunrise* in the exclusive economic zone of Russia and its detention of the vessel's crew without the prior consent of the Netherlands. The *Arctic Sunrise* had served as a support vessel for Greenpeace International in its 19 September 2013 attempt to seize Russia's Arctic drilling rig *Pirazolomnaya* in the Pechora Sea. 30 crewmembers (from 16 countries) of the Arctic Sunrise ship were detained by Russian Coast Guards and brought to Murmansk.

The Russian Federation upon ratifying the Convention, declared that it "does not accept procedures provided for in Section 2 of Part XV of the Convention, entailing binding decisions with respect to disputes [...] concerning law-enforcement activities in regard to the exercise of sovereign rights or jurisdiction" and did not appear before the Tribunal.

Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC)

Development of an Offshore Protocol to the Barcelona Convention

The 1st Offshore Protocol Working Group Meeting was convened on 13 and 14 June 2013. The meeting attended by a total of 44 participants including representatives from 14 Contracting Parties to the Barcelona Convention,

There was a wide review of the obligations under the Offshore Protocol and the drawing of a set of recommendations including the need for the harmonization of Mediterranean approach with internationally and European recognized best practices, the creation of synergies with other related Programmes and Contracting Parties' Decisions, the involvement of the oil and gas industry and NGOs in future activities, the need for detailed legal and technical information from Mediterranean countries as well as the establishment of a regular regional forum.

International Labour Organization (ILO)

Status of the Maritime Labour Convention, 2006 (MLC 2006)

MLC 2006 entered into force on 20 August 2013. Recent signatories to the Convention for which the Convention has not yet entered into force are: Viet Nam (8 May 2013), Nigeria (18 June 2013); Barbados and South Africa (20 June 2013), Japan (5 August 2013); United Kingdom, including Cayman Islands, Gibraltar and Isle of Man (7 August 2013), Germany and Ghana (16 August 2013); Belgium and Lithuania (20 August 2013); Seychelles (7 January 2014); and the Republic of Korea (9 January 2014). For these countries, the Convention will enter into force one year after the date indicated.

The first meeting of the Special Tripartite Committee established by the Governing Body in accordance with Article XIII of the Convention will take place at the ILO from 7 to 11 April, 2014. The [draft programme of work](#) indicates that the meeting will largely be devoted to consideration of proposals for amendments to the Code of the Convention.

Training of Ships' Cooks

A Meeting of Experts for the purpose of reviewing an initial draft and adopting guidelines for ships' cooks was held from 23 to 27 September 2013. The Meeting was attended by six Government experts, five Shipowner experts, and six Seafarer experts accompanied by three advisers. There were 44 observer experts from interested governments, and seven observers from international governmental organizations (IGOs) and non-governmental organizations (NGOs). The [Guidelines on the training of ships' cooks](#) were adopted as amended.

International Seabed Authority (ISA)

Development of a regulatory framework for the exploitation of minerals

On 10 March 2014, The ISA launched a [Stakeholder Survey Questionnaire](#) aimed at soliciting relevant information for the development of a regulatory framework for the exploitation of minerals in the Area from members of the Authority and current and future stakeholders.

The Stakeholder Survey is the first in a series of stakeholder engagements anticipated by the Authority to begin the development of a regulatory framework which will incorporate contemporary best practice and from which the Authority expects to benefit from the in-depth views, analysis and opinions from experts on activities in the Area.

The survey focuses on four areas: Financial terms and obligations; Environmental management terms and obligations; Health and safety and maritime security; General considerations – stakeholder communication and transparency. The closing date of the survey is 16 May 2014.

A similar approach will likely be taken once there is demonstrated interest in pursuing oil and gas development activities in the Area.

The Authority will hold its 20th session in July 2014.

International Maritime Organization (IMO)

The following, presented in chronological order, is a summary of issues addressed at recent IMO meetings that may impact offshore oil and gas exploration and development.

2 to 6 September 2013: Sub-Committee on Safety of Navigation (NAV 59)

Ship routing and associated measures

Numerous proposed new or amended traffic separation schemes, areas to be avoided and recommendatory or mandatory ship reporting systems were approved, several of which are in areas of oil and gas development, e.g., the Torres Strait and the revocation of the Area to be Avoided and a Mandatory No Anchoring Area at El Paso Deep-water port in the Gulf of Mexico. In general, the Maritime Safety Committee (MSC) was invited to adopt these proposals.

Strategy for E-Navigation

The Sub-Committee endorsed the following five prioritized potential e-navigation solutions:

- Improved, harmonized and user-friendly bridge design;
- Means for standardized and automated reporting;
- Improved reliability, resilience and integrity of bridge equipment and navigation information;
- Integration and presentation of available information in graphical displays received via communication equipment; and
- Improved Communication of VTS Service Portfolio (not limited to VTS stations).

This was based on seamless transfer of data between various items of equipment on board; and seamless transfer of electronic information/data between amongst ships and shore users.

The Sub-Committee also noted the results of the related Formal Safety Assessment (FSA), including the finalized risk and cost-benefit analyses and the identified Risk Control Options (RCOs). In doing so, concern were expressed by ICS, supported by Antigua and Barbuda, the Bahamas, Germany, Greece, Liberia, the Marshall Islands, Panama, the United States, BIMCO and INTERTANKO, that the cost figures used for the FSA did not match the experience of shipowners who have fitted comparable equipment and that, for this reason, the outcome of the FSA could not be fully supported.

The Chairman, recalling the Sub-Committee's previous decision reiterated the Sub-Committee's agreement that the FSA presented by the Group should not be peer-reviewed or revisited, apparently accepting the premise that if knowing use of bad data leads to bad decisions it is perfectly acceptable.

The Sub-Committee endorsed the further development of the draft:

- *Guidelines on Human Centred Design (HCD) for navigational equipment and systems;*
- *Guidelines on Usability evaluation of navigational equipment;*
- *Guidelines for Software Quality Assurance (SQA) in e-navigation; and*
- *Guidelines for the Harmonization of test-bed reporting.*

The Sub-Committee also endorsed the preliminary draft of the Strategy Implementation Plan, noting that it would require considerable further development.

The Correspondence Group, coordinated by Norway¹, on e-navigation was re-established to undertake the following tasks:

- .1 finalize the Strategy Implementation Plan;
- .2 consider whether the use of examples of technical e-navigation solutions should be included;
- .3 further develop or finalize the Guidelines named above; and
- .4 submit a report to the Sub-Committee on Human Element, Training and Watchkeeping (HTW) on any specific questions related to training aspects.

The Sub-Committee agreed to seek approval from the MSC and Council for an intersessional meeting to progress finalization of the e-navigation strategy.

New symbols for AIS Aids to Navigation

The Sub-Committee endorsed for approval by the MSC the draft:

- MSC circular on Policy on the Use of AIS Aids to Navigation; and
- SN Circular on *Amended Guidelines for the presentation of navigational-related symbols, terms and abbreviations*.

Deep-sea pilots in the North Sea, English Channel and Skagerrak

The Sub-Committee endorsed the draft Assembly resolution on *Recommendation on the use of adequately qualified deep-sea pilots in the North Sea, English Channel and Skagerrak*, for forwarding to the 28th session of the Assembly.

Unified Interpretation of COLREG 1972

The International Association of Classification Societies (IACS) submitted a copy of the latest version of IACS UI COLREG 1 providing a Unified Interpretation to COLREG 1972 annex I, section 9(b). IACS Members would uniformly implement this latest version of UI COLREG 1 from 1 July 2013, unless otherwise instructed.

The Sub-Committee agreed to the IACS UI with minor amendments and agreed to revise MSC.1/Circ.1260 for approval by MSC.

Unified Interpretation on of SOLAS regulation V/23 (Pilot Transfer Arrangements)

IACS submitted a copy of IACS UI SC 257 on pilot transfer arrangements providing a unified interpretation relevant to SOLAS regulation V/23.

A significant number of delegations spoke, with some voicing the opinion that the IACS UI was in direct conflict with existing SOLAS regulation V/23. The Sub-Committee requested IACS to re-consider its proposal.

Unified Interpretation of performance standards for Voyage Data Recorders (VDRs) (resolution MSC.333(90))

IACS submitted a copy of IACS UI SC261, providing an interpretation relevant to the Performance Standards for Voyage Data Recorders (VDRs) (resolution MSC.333(90)).

Denmark, supported by other delegations, could not support the IACS UI as it would be in opposition to their known procedures. The Sub-Committee did not agree with the IACS UI on Performance standards for Voyage Data Recorders (VDRs) (resolution MSC.333(90)).

Work program

The proposed planned outputs for the Sub-Committee on Navigation, Communications and Search and Rescue (NCSR) (which will take over the agenda for NAV) that are likely to affect the offshore industries are as follows:

Output	Description	Parent	Coordinating	Associated	Target
2.0.3.5	Development of guidelines on harmonized aeronautical and maritime search and rescue procedures, including SAR training matters	MSC	NCSR		2014
5.2.1.17	Development of a mandatory Code of ships operating in polar waters	MSC, MEPC	SDC	HTW, III, NCSR, PPR, SSE, CCC	2014

¹ Mr. John Erik Hagen (john.erik.hagen@kystverket.no)

Output	Description	Parent	Coordinating	Associated	Target
5.2.1.18	Development of a non-mandatory instrument on regulations for non-convention ships	MSC	III	NCSR, PPR, SDC, SSE, CCC, HTW	2017
5.2.4.13	Revision of the <i>Guidelines for the on board operational use of shipborne automatic identification systems (AIS)</i>	MSC	NCSR		2014
5.2.4.15	Development of explanatory footnotes to SOLAS regulations V/15, V/18, V/19 and V/27	MSC	NCSR		2014
5.2.6.1	Development of an e-navigation strategy implementation plan	MSC	NCSR	HTW	2015

16 to 20 September 2013; Sub-Committee on Dangerous Goods, Solid Cargoes and Containers (DSC 18)

Development of an Active Continuous Examination Program (ACEP) database

The Bureau International des Containers et du Transport Intermodal (BIC) provided information on the pilot ACEP database project. BIC has indicated that it will cover the development and operating costs for the proposed database, if formally established.

Sub-Committee requested BIC to update Sub-Committee on Carriage of Cargoes and Containers (CCC 1), which will take over from DSC, on the progress made with the development of the global ACEP database and to explain how the linkage to the Global Integrated Shipping Information System (GISIS) should be arranged.

Amendments to SOLAS chapter VI: Mandatory verification of gross weight of freight containers

The Sub-Committee agreed to the draft amendments to SOLAS regulation VI/2 mandating the verification (by the shipper) of the mass of freight containers. The draft amendment will be submitted to the Maritime Safety Committee's 93rd session (MSC 93) for approval with a view to subsequent adoption. The agreed draft SOLAS amendment includes a footnote qualifying the definition of "container" for the purpose of excluding "offshore containers handled in open seas."

The Sub-Committee also agreed to the draft MSC circular on Guidelines regarding the verified gross mass of a container carrying cargo, for submission to MSC 93 for approval.

Preventing the use of counterfeit refrigerants

The Sub-Committee agreed, in principle, to the draft amendments to chapter 7 of the International Maritime Dangerous Goods (IMDG) Code for submission to the 20th meeting of the Editorial and Technical Group for further consideration, with a view to finalization. This course of action effectively restricts the regulatory controls to refrigerated freight containers.

Draft Code of Practice for Packing of Cargo Transport Units (CTU Code)

In considering how best to finalize the Code (updating the 1997 edition) the Sub-Committee agreed that the draft CTU Code, after finalization by the Group of Experts, should be submitted directly to MSC 93 for approval. The Sub-Committee also urged Member States and international organizations to attend the [next session of the Group of Experts](#), which will take place in Geneva, from 4 to 6 November 2013.

Amendments to SOLAS IX-1/7 and the MODU Code(s) Mandating enclosed space entry and rescue drills

The Sub-Committee agreed:

- to the draft new SOLAS regulation XI-1/7 relating to the carriage requirements for portable atmosphere testing instruments for enclosed spaces for submission to MSC 93 for approval and subsequent adoption;
- to the draft MSC circular on *Guidelines to facilitate the selection of portable atmosphere testing instruments for enclosed spaces as required by SOLAS regulation XI-1/7* for submission to MSC 93 for approval;
- to the draft consequential amendments to the Code for the construction and equipment of mobile

offshore drilling units (1979, 1989 and 2009 MODU Codes), together with associated MSC resolutions, for approval, in principle, by MSC 93 with a view to subsequent adoptions, in conjunction with the adoption of the associated SOLAS amendments;

- not to amend the HSC and DSC Codes; and
- that training issues related to atmosphere testing instruments were already adequately covered in the STCW Convention.

23 to 28 September 2013: DSC Editorial and Technical Group of the Sub-Committee on Dangerous Goods, Solid Cargoes and Containers (ET 18)

Editorial corrections to amendment 36-12 to the IMDG Code (resolution MSC.328(90))

The group prepared the editorial corrections to amendment 36-12 to the IMDG Code (resolution MSC.328(90)) and requested the Secretariat to issue a *note verbale* thereon, before the entry into force of amendment 36-12 and to take action as appropriate regarding the footnote references in the electronic version of the IMDG Code which are quoted as "Notes"

Marine pollutants

The Group noted that its previous discussion on a possible replacement of the term "Marine Pollutant" or "Marine Pollutant/Environmentally Hazardous" was brought to the attention of the UNSCETDG, and that, since the identification as marine pollutant is not required by the UN Model Regulations, the UNSCETDG took no further decisions.

The Group deliberated regarding the replacement of the term "Marine Pollutant" or "Marine Pollutant/Environmentally Hazardous" and that interested delegations and international organizations were invited to submit proposals on this issue to the RID/ADR/ADN joint meeting.

The Group agreed to incorporate the corresponding amendments for various substances that meet the criteria for environmentally hazardous substances according to the GESAMP Hazard Profiles in the dangerous goods list and in the alphabetical index of the draft amendment 37-14.

Introducing the function of a safety adviser in the IMDG Code

The Group considered the concept of introducing the function of a safety adviser in the IMDG Code in the context of non-declared and misdeclared dangerous goods, and was of the view that an additional development of the existing training provisions in the IMDG Code may help to increase the level of compliance in this regard.

Amendments to the Emergency Response Procedures for Ships Carrying Dangerous Goods

The group also finalized draft amendments to the Emergency Response Procedures for Ships Carrying Dangerous Goods (EmS Guide) (MSC/Circ.1025, as amended by MSC.1/Circ.1025/Add.1, MSC.1/Circ.1262, MSC.1/Circ.1360 and MSC.1/Circ.1438) for consideration and approval by the Maritime Safety Committee at its 93rd session.

Safety of old IMO type portable tanks

Regarding guidance on the continued use of existing IMO type portable tanks and road tank vehicles for the transport of dangerous goods, the Group considered a draft revised version of DSC/Circ.12 on *Guidance on the continued use of existing IMO type portable tanks and road tank vehicles for the transport of dangerous goods*.

Having noted that the transitional period allowing deviating tank instructions ran out, but that tanks of this type are still in use, which were constructed according to the former construction requirements, the group concluded that a circular on the use of IMO type tanks is still needed. However, taking into account that the purpose of such a circular has changed (no more relaxation from tank instructions), a new circular should be issued considering the following:

- the text of former versions of the IMDG Code regarding construction of tanks, which are included in the DSC/Circ.12, should remain unchanged;
- identify only those parts that need to be updated; and
- the language of the circular should be in line with the terms used in the IMDG Code.

This information was provided to the correspondence group charged with revision of the guidance.

14 to 18 October 2013: Consultative meeting of Contracting Parties to the London Convention, 1972 and London Protocol, 1996 (LC 35 / LP 8)

Status of the 1996 Protocol to the London Convention, 1972 (London Protocol)

The delegation of Uruguay informed the Meetings that, on 21 June 2013, the Uruguay Parliament had passed Law No. 1901 giving effect to the obligations under the London Protocol, and that Uruguay would be forwarding its instrument of accession in the near future.

Adoption of Guidelines

The following Guidelines were adopted:

- Revised Specific *Guidelines for Assessment of Dredged Material*; and
- Guidance on the implementation of article 6.2 on the export of carbon dioxide streams for disposal in sub-seabed geological formations for the purpose of sequestration. (This guidance is subject to entry into force of an amendment to the Convention. To date only two Parties have accepted the amendment.)

The Meeting also approved the Final Draft IAEA Guidance on Determining the Suitability of Materials for Disposal at Sea under the London Convention and London Protocol: A Radiological Assessment Procedure (IAEA TECDOC-1375) incorporating the methodology to assess radiological doses to flora and fauna for the purpose of the London Convention and Protocol (LC/LP).

Proposal to amend the London Protocol to regulate placement of matter for ocean fertilization and other marine geoengineering activities

The delegations of Australia, Nigeria and the Republic of Korea presented their proposal to amend the London Protocol to regulate placement of matter for ocean fertilization and other marine geoengineering activities. They underlined that the proposed amendment was intended to effect a legally binding regulation of ocean fertilization and is structured to allow other marine geoengineering activities to be considered in the future, if they fall within the scope of the London Protocol and have the potential to cause harm to the marine environment.

Following referral of the proposal to a Working Group and additional discussions, the Meeting adopted a resolution on the Amendment to the London Protocol to Regulate Placement of Matter for Ocean Fertilization and Other Marine Geoengineering Activities. The amendment will enter into force for those Parties which have accepted it on the 60th day after two-thirds of the Contracting Parties have deposited their instruments of acceptance with IMO.

Cooperation with MEPC on ship hulls' scraping

The Meetings noted that with the issuance of guidelines by the Marine Environment Protection Committee (MEPC), this issue had been resolved from a mariners' perspective (that is from the perspective of MARPOL and the AFS Convention), it remained an issue for the LC-LP community since the organisms or coatings that fall to the seabed could potentially interfere with dredging and dredged material disposal operations. It was also noted that various types of equipment to remove and collect biofouling from vessels were on the market and some systems for platforms were under development.

Following discussion the governing bodies invited the Scientific Groups to review whether the 2009 "Guidance on Best Management Practices of removal of TBT Paints from Ships" (LC-LP.1/Circ.31) required an update to take into account in-water scraping of hulls, or whether a stand-alone Guidance would need to be developed for the benefit of Ports and Harbour constituents.

Riverine and sub-sea disposal of mine tailings and associated wastes

A correspondence group on riverine and sub-sea disposal of tailings and associated wastes from mining operations has been established under the lead of Mr. Rodrigo Urquiza (Chile) to:

- With the Secretariat, establish coordination and liaison with the GESAMP and UNIDO process in relation to the scientific scoping paper and the related workshop, and explore the need for and possible sources of funding for further work;
- Develop an inventory and understanding of the scope of the LC/LP;
- Gather information on best practices, existing guidance and other issues of marine and riverine disposal of mine tailings around the world; and
- Prepare and submit a progress report to the next joint session of the Scientific Groups and a report to the next Meetings to provide the governing bodies with further information regarding the subject. This report should include recommendations for potential next steps.

21 to 25 October 2013: Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals (ESPH 19)

Evaluation of new products

The group reviewed and agreed to the assignment of carriage requirements for these products:

Glucitol/glycerol blend propoxylated (containing 10% or more amines)
Soybean Oil Fatty Acid Methyl Ester
2-Butoxyethanol (58%)/ Hyperbranched polyesteramide (42%) (mixture)
n-Alkanes (C9-C11)
(Polyisobutene) amino products in aliphatic hydrocarbons
Poly(4+)isobutylene (MW >224)

Evaluation of tank cleaning additives

The Group requested concurrence of the Sub-Committee on Pollution Prevention and Response (PPR) with its evaluation of the following tank cleaning additives:

Marclean HC	CP Multipol
Sodium Hypochlorite	CP SMR
Caustic Potash	CP Chemtec KOH
Caustic Flakes	CP Chemtec NaOH
Ecosolu 14 Marine	CP Chemtec Bleach
Masava Tank Cleaner	C CP Chemtec B-Solve
Marclean AC+	CP Chemtec Citric Acid
Marclean H60+	CP Chemtec Nitric Acid
Marclean HCR	CP Chemtec Sodium Carbonate
Marclean Solve	STSC DPPCLEAN
Marclean MB40	STSC VEGCLEAN
Marclean AC	STSC CPPCLEAN
Marclean Soap	STSC DPPCLEAN ECO
Careclean Latex Remover	CitriSurf 3050
Careclean Potassium Hydroxide	Sodium Hypochlorite 12,5% DM
Careclean Caustic Soda	Caustic Potash DM
Carechlor	Caustic Soda DM
CP AlkaSoft	TANKCLEANER P75

Trade-named mixtures

The Group requested PPR to concur with the proposed update of the MEPC.2/Circular and BLG.1/Circ.17 to provide guidance with regard to the naming protocol for trade-named products.

The Group requested that PPR agree to its evaluation of Trade-named mixtures presenting safety hazards (several of which are used in the offshore oil and gas industries) and their consequential inclusion in list 3 of the draft MEPC.2/Circular with validity for all countries and no expiry date:

OLOA 48014 (Chevron oronite)	SCALETREAT TP 8385 (Clariant Oil Services AS)
CTC Crude Type A (Ineos ChlorVinyls Ltd)	SCALETREAT XL36 (Clariant Oil Services AS)
SI-4113 (MI-SWACO)	SOLVTREAT 3030 (Clariant Oil Services AS)
SOLVTREAT 3030 (Clariant Oil Services AS)	Kogasol 56 (SASOL)
R-50359 (Nalco Champion Ltd)	IP CLEAN LX (Idemitsu Kosan)
VX8925 (Nalco Champion Ltd)	IP SOLVENT 1620 (Idemitsu Kosan)
EPT-2492 (MI-SWACO)	AMINE DCT (Dow Chemical)
Gypton SA3190 (Champion Technologies)	

21 to 22 November 2013: Council Extraordinary Session (C/ES 27)

Strategic Planning

The Council approved, for adoption by the 28th session of the Assembly (A 28):

- an updated Strategic Plan for the Organization for the six-year period 2014 to 2019;
- an updated draft High-level Action Plan and priorities for the 2014-2015 biennium; and
- revised draft *Guidelines on the Application of the Strategic Plan and the High-level Action Plan of the Organization*.

The Council reiterated that strict discipline regarding unplanned outputs should be observed at all levels.

Relations with non-governmental organizations

With regard to the application for consultative status submitted by the Security Association for the Maritime Industry (SAMI), the Council decided not to grant consultative status to SAMI.

Budget

The Council:

- approved the Organization's complement for 2014-2015, reflecting the abolition of 33 posts in the regular budget;
- agreed to a total number of 17.2 meeting weeks for 2014 and 15.4 meeting weeks for 2015;
- approved the proposed regular budget appropriation of £31,686,000 for 2014 and £32,618,000 for 2015; and
- agreed to the financing of the biennial appropriation by assessments upon Member States of £60,232,000 (£30,116,000 each for 2014 and 2015)..

25 November to 4 December 2013: Assembly Regular Session (A 28)

Resolutions adopted

The following resolutions were adopted:

Resolution	Title
A.1060(28)	Strategic Plan for the Organization (for the six-year period 2014 to 2019)
A.1061(28)	High-Level Action Plan of the Organization and Priorities for the 2014-2015 Biennium
A.1062(28)	<i>Guidelines on the Application of the Strategic Plan and the High-Level Action Plan of the Organization</i>
A.1063(28)	Results-Based Budget for the 2014-2015 Biennium
A.1067(28)	Framework and Procedures for the IMO Member State Audit Scheme
A.1068(28)	Transition from the Voluntary IMO Member State Audit Scheme to the IMO Member State Audit Scheme
A.1069(28)	Prevention and Suppression of Piracy, Armed Robbery Against Ships and Illicit Maritime Activity in the Gulf of Guinea
A.1070(28)	IMO Instruments Implementation Code (III Code)
A.1071(28)	<i>Revised Guidelines on the implementation of the International Safety Management (ISM) Code by Administrations</i>
A.1072(28)	<i>Revised Guidelines for a structure of an integrated system of contingency planning for shipboard emergencies</i>
A.1073(28)	Recommendation on the use of National Tonnage in applying International Conventions
A.1074(28)	Notification and circulation through the Global Integrated Shipping Information System (GISIS)
A.1075(28)	<i>Guidelines to assist investigators in the implementation of the Casualty Investigation Code (resolution MSC.255(84))</i>
A.1076(28)	Amendments to the survey guidelines under the Harmonized System of Survey and Certification (HSSC), 2011
A.1077(28)	2013 non-exhaustive list of obligations under instruments relevant to the IMO Instruments Implementation Code
A.1078(28)	IMO Ship Identification Number Scheme

Resolution	Title
A.1079(28)	Recommendations for the Training and Certification of Personnel on Mobile Offshore Units (MOUs)
A.1080(28)	Recommendation on the use of Adequately Qualified Deep-Sea Pilots in the North Sea, English Channel And Skagerrak
A.1081(28)	Recommendation on the use of Adequately Qualified Deep-Sea Pilots in the Baltic Sea
A.1082(28)	Amendments to the International Convention on Load Lines, 1966
A.1083(28)	Amendments to the International Convention on Load Lines, 1966
A.1084(28)	Amendments to the International Convention on Tonnage Measurement of Ships, 1969
A.1085(28)	Amendments to the Convention on the International Regulations for Preventing Collisions at Sea, 1972
A.1086(28)	Entry into Force and Implementation of the 2012 Cape Town Agreement
A.1087(28)	<i>2013 Guidelines for the Designation of Special Areas under MARPOL</i>
A.1088(28)	Application of the International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004
A.1089(28)	Implementation of the Facilitation Convention
A.1090(28)	Fair Treatment of Crew Members in Respect of Shore Leave and Access to Shore-Side Facilities
A.1091(28)	<i>Guidelines on the preservation and collection of evidence following an allegation of a serious crime having taken place on board a ship or following a report of a missing person from a ship, and pastoral and medical care of persons affected</i>
A.1092(28)	Relations with Non-Governmental Organizations

Rules for NGOs

The Assembly adopted the consolidated *Rules and Guidelines for Consultative Status of Non-Governmental International Organizations with the International Maritime Organization* which replaces the *Rules Governing Relationship with Non-Governmental International Organizations and the Guidelines on the Grant of Consultative Status*.

Election of members of the Council

The Assembly elected Members of the Council as follows:

- Under Article 17(a) China, Greece, Italy, Japan, Norway, Panama, the Republic of Korea, the Russian Federation, the United Kingdom and the United States
- Under Article 17(b) Argentina, Bangladesh, Brazil, Canada, France, Germany, India, the Netherlands, Spain and Sweden
- Under Article 17(c) Australia, the Bahamas, Belgium, Chile, Cyprus, Denmark, Indonesia, Jamaica, Kenya, Liberia, Malaysia, Malta, Mexico, Morocco, Peru, the Philippines, Singapore, South Africa, Thailand and Turkey.

4 December 2013: Council (C 111)

Agenda for next sessions

The Council agreed to the substantive items for inclusion on the provisional agenda for the next two sessions, with adoption of the agenda to take place at the beginning of each session as is usual practice.

Place and date for the next sessions

The Council decided to hold its 112th regular session at IMO Headquarters from 16 to 20 June 2014 and that budgetary provisions be made for eight plenary sessions with full interpretation.

20 to 24 January 2014: Sub-Committee on Ship Design and Construction (SDC 1)

Development of a Mandatory Code for Ships Operating in Polar Waters – Initial consideration

The MSC had approved an Intersessional Working Group on the Polar Code, from 30 September to 4 October 2013, as concurrently approved by the MEPC and instructed it to report directly to SDC 1.

The Sub-Committee considered the report of this Working Group, the results of its own Correspondence Group, as well as the results of the Correspondence Group on Development of a Mandatory Code for Ships Operating in Polar Waters established by the Sub-Committee on Fire Protection (FP) and the results of a Correspondence Groups on Subdivision and Damage Stability (SDS) and Intact Stability (IS) established by the SLF Sub-committee.

Prior to establishing a Polar Code Working Group, the Sub-committee

- Noted alternative proposals for chapter 13 (Crewing/manning), instructed the Polar Code Working Group to reduce the alternative proposals into one chapter and agreed to forward that chapter, once consolidated, to the 1st session of the HTW Sub-Committee for consideration, with a view to submitting any comments and proposals directly to MSC 93.
- Decided it would request the Committees to consider whether the Polar Code's scope of application should include the northern part of the Bering Sea. Consequently, the Polar Code Working Group was instructed not to consider this matter any further since this issue falls under the purview of the Committees.
- Agreed to include the text describing the mandatory or recommendatory nature of parts I-A, I-B, II-A and II-B of the Code in square brackets, and to replace the word "shall" contained in the text related to parts I-A and I-B with the word "should".
- Agreed, in principle, to the draft amendments to MARPOL Annexes I, II, IV and V, for submission to MEPC 66 for approval, with a view to adoption at MEPC 67, in conjunction with the adoption of the associated draft Polar Code, subject to the MEPC deciding on the text remaining in square brackets. MEPC was specifically asked to consider:
 - .1 the need to resolve the application of part II-A of the Polar Code, in particular, with regard to existing and new ships' size and category, bearing in mind the different application requirements contained in MARPOL and SOLAS, including matters related to geographical application;
 - .2 the need to prepare consequential amendments to the certificates under MARPOL Annexes II and IV, in light of proposed new requirements in part II-A of the Code concerning tank separation distance for chemical tankers and the discharge of sewage in polar waters; and
 - .3 the need to amend the exemption requirements and other provisions in the MARPOL Annexes, in order to cross reference them with the requirements of part II-A of the Code,
- As with the MARPOL amendments, agreed that the definition of "Polar Code" should include the text describing the mandatory or recommendatory nature of parts I-A, I-B, II-A and II-B of the Code in square brackets, and that the word "shall" contained in the text related to parts II-A and II-B should be replaced with the word "should".
- In considering the definition of the term "all ships", decided that, for the purposes of regulation 1 of the Code, "all ships" should mean any ship to which SOLAS chapter I applies and ships constructed before, on or after the date of entry into force of the Code, but left the text in square brackets for further consideration by MSC.
- Agreed to retain the text "engaged on international voyages" in square brackets for consideration by MSC.
- Did not agree to an exclusion for ships owned or operated by a State, as there was no clear majority for the two options for exclusionary text that had been provided.
- Agreed, in principle, to the draft new chapter XIV to SOLAS to make the Polar Code mandatory, for submission to MSC 93, with a view to adoption at MSC 94 in conjunction with the adoption of the associated draft Polar Code, subject to the Committee deciding on the text remaining in square brackets.
- Following an extensive discussion and having noted the differing views on the matter, invited MEPC 66, to address the policy issue of port reception facilities in the Arctic, and take action as appropriate.

Scope of application of the Polar Code

After an in-depth discussion on matters related to the scope of application with regard to the types of ships to be covered by the Code, as well as its application to new and existing ships, the Chairman

recalled that the MSC had tasked the Sub-Committee on Ship Design and Equipment (DE) to cover all types of ships when developing the Polar Code and that DE 55, in considering how best to proceed, had decided to undertake the work based on a two-step approach, *i.e.* the Code would initially apply to SOLAS passenger and cargo ships, taking into account the urgent need for relevant mandatory requirements, and later requirements would be introduced for non-SOLAS ships, such as fishing vessels, which would be developed after the first step has been concluded. Therefore, it was decided that documents addressing non-SOLAS ships would be held in abeyance until such matters are considered by the Sub-Committee.

With regard to the application of the Code to new and existing ships, the Sub-Committee, having noted that there was a clear majority for the Code to be applied to both new and existing ships, agreed that both new and existing ships should be certificated under the Code. With regard to structural requirements, the Sub-Committee instructed the Polar Code Working Group to further consider this issue with a view to developing concrete exemptions for the structural requirements that should not be applied to existing ships. In this connection, the Sub-Committee noted the statement by the delegation of the United States that, although the MSC had considered the application of the Polar Code and agreed to the two-step approach, MEPC had not had the same opportunity to discuss the applicability, specifically of part II-A, which includes proposed MARPOL amendments. MEPC 66 was invited to note the above views regarding the application of the Polar Code and the two-step approach agreed by the MSC.

Development of a Mandatory Code for Ships Operating in Polar Waters – Additional consideration

Having formed a Polar Code Working Group, and received its report, the Sub-committee:

- Agreed to forward the relevant paragraphs of the draft Code to the Sub-Committee on Navigation, Communications and Search and Rescue (NCSR), for finalization and submission directly to MEPC 67 and MSC 94, for their consideration when adopting the Code.
- Endorsed the group's decision to insert definitions regarding temperature in the Introduction of the Code, taking into account that a number of definitions are still contained in square brackets.
- Agreed to forward portions of chapter 8 (Fire safety/protection) and chapter 9 (Life-saving appliances and arrangements) to the Sub-Committee on Ship Systems and Equipment (SSE) for consideration of the need for the development of new performance or test standards. SSE was invited to forward its views directly to MSC 93.
- Forwarded three options on training and manning (including the introduction of an ice navigator or ice pilot) to the HTW Sub-Committee, and invited HTW to forward its views directly to MSC 93. The matter of the level of additional qualifications, if any, that would be required on different ships for different options was similarly forwarded to HTW for consideration and advice to MSC 93.
- In considering matters related to the prevention of pollution from noxious liquid substances, noted that the group had considered paragraph 2.4.2.2 of part II-A of the Code, which states that, for new category A and B ships, all tanks used for carriage of noxious liquid substances shall be separated from the outer shell by a distance not less than 760 mm, and further noted concerns that this structural requirement, which is not included in the current IBC Code, would have an impact for Type III chemical tankers. This was referred for further consideration to the MEPC.
- Noted possible inconsistencies between chapters in part II-A of the Code and the associated MARPOL Annexes with respect to pollution by sewage from ships and agreed to refer the matter to the MEPC for review.
- Agreed, in principle, to the draft International Code for ships operating in polar waters (Polar Code), for submission to MEPC 66 and MSC 93 for further consideration with a view to their adoption in conjunction with the adoption of the associated draft SOLAS and MARPOL amendments taking into account that a number of provisions still remain in square brackets throughout the draft Code.

Draft Unified interpretations to the 1969 TM Convention

The Sub-Committee agreed to the draft Unified interpretations to the 1969 TM Convention and the associated draft TM.5 circular, for submission to MSC 93 for approval, subject to the Committee's decision on the text in square brackets in the proposed unified interpretation for regulation 1(3).

Second-generation intact stability criteria

The Sub-Committee also noted that there was a general agreement from its Correspondence Group that the 2008 IS Code should have a minimum standard of ice accretion applicable to all ships operating

in areas where icing may occur. Member Governments and international organizations were invited to submit comments and proposals on the amended draft text of chapter 6 of the 2008 IS Code, part B, to account for icing to SDC 2.

An updated plan of action was agreed. It envisions the preparation of a draft MSC circular for approval, with the draft second generation intact stability criteria to be annexed to the MSC circular. The circular will encourage Members to apply the draft criteria and submit experienced gained to SDC. The timetable is:

No.	Agenda Item/Task	Objective	Deadline
1	Finalize vulnerability criteria and standards		
1.1	Parametric roll resonance, pure loss of stability and broaching-to		SDC 2
1.2	Dead ship condition and excessive accelerations		SDC 3
2	Finalize Explanatory Notes for vulnerability criteria	Accumulate experience of application of the vulnerability criteria including an example for each criterion	SDC 3
3	Finalize the guidelines for "direct stability assessment"	Requirements and acceptance criteria for validation of tools and methods for direct stability assessment, procedures for direct stability assessment including an example of application	SDC 4
4	Finalize requirements for "development of ship specific operational guidance" and operational limitations after the second vulnerability check as an alternative to direct stability assessment		SDC 6
5	Collect experience of application of interim Second Generation Intact Stability Criteria including application to more diverse population of vessels and analyse the experience including but not limited to small cargo vessels	Consider possibilities to simplify the criteria	SDC 6

The Sub-Committee agreed to establish a Correspondence Group on Intact Stability, under the coordination of Japan² and instructed it to continue to work on the items contained in the Updated plan of action, and to:

- .1 finalize the draft amendments to the 2008 IS Code regarding vulnerability criteria and the standards (levels 1 and 2) related to parametric roll resonance, pure loss of stability and broaching-to;
- .2 further develop the draft amendments to the 2008 IS Code regarding vulnerability criteria and standards (levels 1 and 2) related to dead ship condition and excessive accelerations;
- .3 further enhance the working version of the Explanatory Notes for vulnerability criteria; and
- .4 further enhance the working version of the guidelines for "direct stability assessment."

Amendments to SOLAS regulation II-1/11 and development of associated Guidelines to ensure the adequacy of testing arrangements for watertight compartments

The Sub-Committee noted its Working Group's view that highly outfitted spaces not intended to hold liquids should not be subject to hydrostatic tests. Additionally, it was noted that the Group concurred that the existing SOLAS regulation II-1/11 does not necessarily include hydrostatic testing of all watertight boundaries and, therefore, it should be discussed whether such watertight boundaries should be tested in future in accordance with the guidelines to be developed.

In order to make further progress, the Sub-Committee agreed to establish a Correspondence Group on Amendments to SOLAS regulation II-1/11 and Development of Associated *Guidelines to Ensure the*

² Dr. Eng. Naoya Umeda (Email: umeda@naoe.eng.osaka-u.ac.jp)

Adequacy of Testing Arrangements for Watertight Compartments, under the coordination of Japan³ and instructed it to:

- .1 identify conditions for granting a waiver with the use of alternative tests from hydrostatic testing of water tightness and structural integrity as provided in the existing SOLAS regulation II-1/11;
- .2 consider a possible amendment to;
- .3 evaluate the possible ways for application of the draft guidelines for procedures of testing tanks and tight boundaries, including their mandatory status;
- .4 consider details of the quality control standards and how their application should be assessed in order to assure the quality of structural fabrication to achieve the water tightness and structural integrity;
- .5 continue developing the draft *Guidelines for procedures of testing tanks and tight boundaries with a view to providing an equivalent level of safety to the existing SOLAS regulation II-1/11*; and
- .6 develop a suitable common terminology/definitions.

Amendments to the 2011 ESP Code

Sub-Committee agreed to draft amendments to the International Code on the Enhanced Programme of Inspections, 2011 (2011 ESP Code) for submission to MSC 93 for approval, with a view to adoption.

Development of Guidelines for Use of Fibre-reinforced Plastic (FRP) within Ship Structures

The Sub-Committee considered the report of its correspondence group and noted that the group could not reach consensus regarding the possible use of FRP composite structures in the light of SOLAS regulation II-2/17, having regard to regulation II-2/2 (Fire safety objectives and functional requirements).

The Sub-Committee noted the group's conclusion that the current prescriptive regulations assume non-combustible construction. Therefore, if SOLAS regulation II-2/17 is used to justify the use of combustible structures, a thorough review of SOLAS chapter II-2 is required to find any prescriptive requirements affected by an alternative design that assumes non-combustible construction. It was pointed out that the aforementioned matter needs to be resolved first in order to further progress the work on the draft guidelines.

To progress the work the Sub-Committee established a Correspondence Group on Development of *Guidelines for Use of Fibre-reinforced Plastic (FRP) within Ship Structures*, under the coordination of Sweden⁴ and instructed it to:

- .1 determine the possible use of FRP composite structures in the light of SOLAS regulation II-2/17, having regard to regulations II-2/2.1 (Fire safety objectives), II-2/2.2 (Functional requirements) and II-2/2.3 (Achievement of the fire safety objectives) and define the consequences that the aforementioned would have on the other issues than fire protection;
- .2 review available fire testing results and research and methodologies with regard to FRP composite structures in ships, as well as current regulations and relevant applications of FRP composite structures;
- .3 develop draft guidelines to be used for assessment and testing of FRP structures;
- .4 discuss if any relevant new procedures and qualification criteria for fire testing and classification of FRP composite structures are required for use on SOLAS ships;
- .5 further consider information from IACS regarding the use of FRP grating on tankers.

Development of amendments to SOLAS Chapter II-2, the FTP Code and MSC/CIRC.1120 to clarify the requirements for plastic pipes on ships

Following discussion, the Sub-Committee, having noted several general views expressed on technical matters and application issues, agreed that further detailed consideration was necessary and invited submission of comments and proposals to SDC 2.

Development of amendments to the criterion for maximum angle of heel in turns of the 2008 IS Code

Having considered the submissions from Japan and Poland and noting the views expressed on the need to further consider the proposed amendments, the Sub-Committee invited submission of comments to SDC 2.

³ Mr. Ko Koiso (Email: tank-testing@mlit.go.jp)

⁴ Mr Johan Wikman (Email: johan.wikman@transportstyrelsen.se)

Development of amendments to Part B of the 2008 IS Code concerning towing, lifting and anchor-handling operations

Having considered its Correspondence Group's report, and having noted the views expressed regarding matters related to escort towing, the stability criteria for lifting operations and possible unintended mandatory application of some provisions within part B of the 2008 IS Code, the Sub-Committee decided not to finalize the proposed amendments at this stage. Consequentially, Member Governments and international organizations were invited to submit comments and proposals to SDC 2.

Review of general cargo ship safety

The Sub-committee discussed a proposal to establish an extended survey system for general cargo ships and to strengthen the maintenance responsibilities for ship machinery in the context of the SMS and ship survey requirements, and noted the views expressed regarding the application of the IACS UR Z7, the positive outcome of a relative cost benefit assessment carried out by IACS and the possibility of administrative and economic burdens caused by extending the survey system.

Having agreed that more time was needed to consider the matter in detail, the Sub-Committee invited submission of comments and proposals to SDC 2.

Guidelines for offshore service craft (OSC) and offshore construction vessels (OCV) used in wind farm service.

Having endorsed the approach taken by its Correspondence Group, including the main construction standards suggested in the draft guidelines they produced, the Sub-Committee agreed to establish a Correspondence Group on *Interim Guidelines for Offshore Wind Farm Vessels* under the coordination of the United Kingdom⁵ and instructed it to:

- .1 further develop the draft Interim Guidelines for offshore service craft (OSC);
- .2 further develop the draft Interim Guidelines for offshore construction vessels (OCV); and
- .3 consider how the application of the OSC and OCV guidelines would cover non-Convention ships.

Carriage of more than 12 industrial personnel on board vessels engaged on international voyages

From the discussions, the Sub-Committee was clear on the need for the definition of industrial personnel for all ship types (not only for specialized offshore industry vessels engaged in wind farms). In this context, it was noted that there was some support in the group for the term "industrial personnel" to be aligned with the 2008 SPS Code's definition of "special personnel". However, there was a concern that industrial personnel should not just be incorporated in the "special personnel" definition, because the definition in the Code may suggest or support a view that such a person automatically becomes a seafarer, which is something that the industry would wish to avoid, and there is no basis to necessarily assume that every wind farm technician and similar offshore worker should automatically be regarded as a "seafarer". Consequently, although the special personnel definition and training requirements may be considered as a basis for "industrial personnel", the group agreed that the two definitions should remain as two categories.

The Sub-Committee noted that, in order to start discussing the short- or long-term options for addressing the carriage of more than 12 industrial personnel on board vessels engaged in international voyages, it was necessary to develop a draft definition of such personnel. In this regard, the Sub-Committee noted that its Working Group had agreed that the draft definition should be based on the proposal by CESA and address personnel being transported or accommodated on board.

Having also noted the discussions and deliberations of the Group regarding the definition for industrial personnel and its future use, the Sub-Committee noted that the group agreed to a draft definition with the understanding that the definition should be included into the pertinent instruments (e.g. draft guidelines on OSC and OCV). That draft definition is"

Industrial personnel means all persons who are not passengers or members of the crew or children of under one year of age and who are transported or accommodated on board for the purpose of offshore industrial activities; and are:

- .1 able bodied and meet appropriate medical standards; and
- .2 have received basic safety training according to relevant industry standards¹; and
- .3 have a fair knowledge of the layout of the ship and the handling of the ship's safety equipment before departure from port (e.g. through a safety briefing); and

⁵ Mr. Paul Wilkins (Email: offshore@mcga.gov.uk)

- .4 equipped with appropriate personal safety equipment suitable for the risks to safety such personnel are likely to experience on the forthcoming voyage (e.g. survival suits).

The Sub-Committee agreed that a short-term option (solution) would be to incorporate the new definition of industrial personnel into the draft guidelines, *i.e.* OSCs and OCVs.

While the new definition of industrial personnel and the draft guidelines on wind farm vessels (OSCs and OCVs) will provide a short-term solution for the renewable energy sector, the Sub-Committee noted that there would still be a need to identify the appropriate design and construction standards for the carriage of more than 12 industrial personnel on international voyages in a broader context. The work on design and construction standards for OSCs in the renewable energy sector will be used as a basis in that broader context. In this connection, the Sub-Committee also noted that the draft definition of industrial personnel, once finalized, would be a key element to be included in a future MSC circular for the interpretation of SOLAS chapter I, part A, regulation 2(e)(i).

The Sub-Committee noted that the group identified that the future development of the an MSC circular containing the new definition for industrial personnel would need to be augmented with some guidance on how the definition should be used in practice (*i.e.* which ship types or ship design and construction standards that could be used for the carriage of those personnel). The group was also of the opinion that this augmentation could be achieved through the development of additional recommendations to support that MSC circular or by reviewing relevant aspects in existing IMO instruments that would be affected.

Regarding a long-term solution and based on the proposal to amend, the Sub-Committee noted that the group was of the view that the new definition could be useful in making a contribution to any future revision of the SOLAS Convention.

In considering the proposed short- and long-term solutions discussed by the group, the Sub-Committee recognized that the title of this agenda item makes no reference to passenger ships or cargo ships, which would indicate how such vessels are to be treated with regard to SOLAS chapter I, and this is one of the issues that needs to be resolved in order to agree on a way forward. It was also noted during the discussion that offshore vessels may not be on international voyages.

In this connection, the delegation of the Cook Islands made a statement that it was important to recognize that an IMO agreement that some cargo ship standards can be used for the carriage of larger numbers (more than 12) of industrial personnel off shore would be the only way of ensuring a consistent and rapid approach.

The Sub-Committee, recognizing that further work is necessary on this issue and noting the views expressed on the urgent need to complete this work by the target completion date, instructed the correspondence group offshore service craft (OSC) and offshore construction vessels (OCV) to develop guidance on how the definition of industrial personnel should be used in practice.

Consideration of IACS Unified Interpretations

The Sub-Committee agreed to:

- the draft Unified interpretation on the application of the *Performance standard for alternative means of corrosion protection for cargo oil tanks of crude oil tankers* (resolution MSC.289(87)), and the associated draft MSC circular, for submission to MSC 93 for approval.
- the draft Unified interpretation on the application of the *Performance standard for protective coatings for cargo oil tanks of crude oil tankers (PSPC-COT)* (resolution MSC.288(87)), and the associated draft MSC circular, for submission to MSC 93 for approval.

Sub-Committee invited IACS to submit a unified interpretation on the issue of sill and coaming heights for openings on top of deckhouses and companionways to SDC 2 as a short-term solution, also taking into account flush bolted access covers.

Work program

The Sub-committee proposed the following adjustments to its work program:

Output	Description	Parent	Coordinating	Associated	Target
5.2.1.1	Development of amendments to the criterion for maximum \ angle of heel in turns of the 2008 IS Code	MSC	SDC		2014 2015

Output	Description	Parent	Coordinating	Associated	Target
5.2.1.21	Development of guidelines for use of Fibre Reinforced Plastic (FRP) within ship structures	MSC	SDC		2014 2015
5.2.1.24	Development of amendments to Part B of the 2008 IS Code on towing, lifting and anchor handling operations	MSC	SDC		2014 2015
5.2.1.27	Amendments to SOLAS chapter II-2, the FTP Code and MSC/Circ.1120 to clarify the requirements for plastic pipes on ships	MSC	SSE		2014 2015

Working arrangements for the next session

The Sub-Committee agreed to establish working and/or drafting groups on the following subjects:

- .1 subdivision and damage stability (agenda items 7 and 8);
- .2 intact stability matters (agenda items 5, 14 and 15);
- .3 review of the recommendation on evacuation analysis for new and existing passenger ships (agenda item 13);
- .4 classification of offshore industry vessels and a review of the need for a non-mandatory code for offshore construction support vessels and guidelines addressing the carriage of more than 12 industrial personnel on board vessels engaged on international voyages (agenda items 18 and 19); and
- .5 amendments to SOLAS regulation II-1/11 and development of associated guidelines to ensure the adequacy of testing arrangements for watertight compartments (agenda item 9),

28 to 31 January 2014: OPRC-HNS Technical Group (OPRC-HNS/TG 16)

Updating of IMO dispersant guidelines

The Group continued its consideration of draft Part III (Operational and Technical Sheets for surface application of dispersants) of the revised dispersant guidelines and the tentative table of contents for Part IV (Sub-sea Dispersant Application).

Recognizing that more time would be needed, the Group agreed to invite the Sub-committee on Pollution Prevention and Response (PPR) to reestablish the Correspondence Group under the leadership of France⁶ to continue development of the guidelines.

International Offers of Assistance Guidelines

Having made a comprehensive review of the draft Guidelines prepared by its Correspondence Group, the Groups concluded that additional work needed to be carried out and agreed to invite PPR to allow this work to be carried out by the Correspondence Group (above) and to finalized the Guidelines for PPR 2.

Oil spill response in ice and snow conditions

The Group noted the information from the EPPR Working Group about the timeline of the development of the Guide on oil spill response in ice and snow conditions, and approved a revised table of contents for the Guidelines.

An external consultant has been contracted (by Canada) to prepare the first draft of the Guide for review by the EPPR Working Group in June 2014 in Canada, and its subsequent meeting in November 2014. The goal is to submit a finalized draft version of the document as reviewed by the EPPR Working Group to PPR 2 for consideration.

Guidance on the safe operation of oil pollution combating equipment

At its last session the Group referred the draft Guidance to the International Petroleum Industry Environmental Conservation Association (IPIECA); however, no response was received.

The Group agreed to incorporate the comments made by a number of delegations and finalized the draft Guidance for submission to PPR 1 for consideration and forwarding to MEPC 67 for approval for publication.

⁶ Mr Francois Merlin (francois.merlin@cedre.fr)

Revision of section II of the Manual on Oil Pollution – Contingency Planning

The Group, noting that in accordance with the work programme of PPR Sub-Committee for the 2014-2015 biennium, the revision of section II of the Manual on Oil Pollution – Contingency Planning is scheduled in 2015, agreed to defer further consideration on the matter and invited interested delegations to submit comments on the draft manual to PPR 2. Contingency planning for offshore units is an identified part of this effort.

IMO support to the Triennial Oil Spill Conferences

The forthcoming conference in the series will be the 2014 International Oil Spill Conference (IOSC), to be held from 5 to 8 May 2014 in Savannah, Georgia, USA.

IOSC has launched a website, www.ioscproceedings.org, providing the full knowledge base of IOSC proceedings since 1969 free of charge.

3 to 7 February 2014: Sub-Committee on Pollution Prevention and Response (PPR 1)

Outcome of the 19th session of the ESPH Working Group

Having considered the report of the ESPH Working Group, the Sub-Committee approved it in general and, in particular:

- agreed to their evaluation of new products and their consequential inclusion in the IBC Code;
- concurred with the results of the evaluation of cleaning additives;
- agreed to their evaluation of trade-named mixtures representing safety hazards and their consequential inclusion in list 3 of the MEPC.2/Circular, with validity for all countries and no expiry date;
- concurred with the proposed update of the MEPC.2/Circular and BLG.1/Circ.17 to provide guidance with regard to the naming protocol for trade-named products; and
- approved the provisional scheduling of ESPH 20 from 29 September to 3 October 2014.

ESPH Working Group

The Sub-Committee established its own ESPH Working Group and having received its report, agreed to:

- .1 The assignment of carriage requirements for Piperazine, 68% solution.
- .2. The evaluation of the following tank cleaning additives:

MarClean BioSolve Tank CC
CHEMIPOL
DYE OUT
IGS CLEANER
TANKSHINE
ER-TEEPOL
ERCLEAN-HCF
ERCLEAN IGS
ERCLEAN CTC
ER-APC AQUA
COAL TAR REMOVER

RUST REMOVER
ER-APC EXTRA 200
ER-HDC
ERCLEAN BUFFER
ER-APC EXTRA 50
MULTICLEANER
SEACLEAN T
ECOCLEAN
ALKACLEAN
Acquaclean MPA
RUST CLEAN

.3 The evaluation of Trade-named mixtures presenting safety hazards (several of which are used in the offshore oil and gas industries) and their inclusion in list 3 of the draft MEPC.2/Circular with validity for all countries and no expiry date:

Ucarsol
Pentylol
Fraction TX
BK Reformed/Platformed Gasoline

BK Gasoline
Fraction C6
Fraction C7

Prohibition of the blending of bulk liquid cargoes and production processes during sea voyages under SOLAS

Based on the significant numbers of questions received stemming from the new SOLAS regulation VI/5-2 (prohibiting of the blending of bulk liquid cargoes and production processes during sea voyages which entered into force on 1 January 2014) the Sub-Committee invited interested parties to submit relevant proposals on this issue to MSC 93.

Development of a Code for the Transport and Handling of Limited Amounts of Hazardous And Noxious Liquid Substances in Bulk on Offshore Support Vessels

The Sub-Committee noted that its Correspondence Group had made progress on chapters 2 (Survival capability and location of cargo tanks), 3 (Ship design), 5 (Cargo transfer), 8 (Firefighting requirements) and 12 (Special requirements); however, had not been able to prepare a complete draft owing to time constraints and various outstanding issues.

The Sub-Committee noted concerns that the damage stability standard proposed by the SLF Sub-Committee does not adequately address additional risks associated with the carriage of large volumes of severely hazardous products. Also noting concerns over the perceived excessive restrictions on traditional OSVs carrying more benign products, such as drilling muds, the Sub-Committee referred these issues to a Working Group.

Having considered the report of its Working Group the Sub-Committee agreed to refer the following parts of the draft Code to other Sub-Committees as follows:

- .1 Sub-Committee on Ship Design and Construction (SDC): Chapter 2 on ship survival capability and location of cargo tanks and chapter 5 on cargo transfer; and
- .2 Sub-Committee on Ship Systems and Equipment (SSE): Chapter 8 on firefighting requirements.

The Sub-Committee re-established the Correspondence Group on the Development of the OSV Chemical Code under the coordination of Denmark⁷ and instructed it to:

- .1 finalize chapter 3 on ship design and chapter 12 on special requirements, with a view to forwarding the draft text to the SDC for advice and input;
- .2 further develop the remaining chapters of the draft OSV Chemical Code, which have not been sent to the SDC and SSE; and
- .3 consider the need for any amendments to related IMO instruments in order to ensure consistency with the proposed OSV Chemical Code.

Status of the BWM Convention

It was noted that Germany and Switzerland had acceded to the Ballast Water Management (BWM) Convention, bringing the number of Contracting Governments to 38 (≈30% of the world's tonnage).

Development of a BWM circular on guidance on the use of ballast water management systems during stripping operations

The Sub-Committee agreed, in principle, to the draft Guidance on stripping operations using eductors for further consideration by MEPC 66, with a view to finalization and subsequent dissemination as a BWM circular.

Use of fresh water as ballast water

The Sub-Committee noted that the view that, while fresh water may pose a potential risk of enhanced corrosion in ballast tanks, long experience with using ballast water from lakes, rivers and other fresh water sources does indicate that additional corrosion effects, if at all evidenced, were minimal and did not need to be further considered. Consequently, the Sub-Committee agreed that no further action in the matter was necessary.

Definition of Black Carbon

The Sub-Committee concluded that, based on the views expressed in the plenary, the LAC definition (*i.e.*, "Black Carbon is defined as light absorbing carbonaceous compounds (LAC), resulting from the incomplete combustion of fuel oil.") should be recommended to the Committee for consideration and endorsement. However, the Sub-Committee noted that most delegations were not in a position to express a preference either for LAC or eBC (*i.e.*, "Black Carbon is defined as equivalent Black Carbon (eBC) derived from optical absorption methods that utilize a suitable mass-specific absorption coefficient"), and some delegations considered there was a need for additional information before a final decision.

Guidelines related to approved methods as required under regulation 13.7.1 of MARPOL Annex VI

The Sub-Committee agreed to draft *2014 Guidelines in respect of the information to be submitted by an Administration to the Organization* covering the certification of an approved method as required under

⁷ Ms. Clea Henriksen (Email: cge@dma.dk)

regulation 13.7.1 of MARPOL Annex VI, and to draft *2014 Guidelines on the approved method process* for submission to MEPC 66, with a view to adoption by means of MEPC resolutions.

Guidelines under the revised NOX Technical Code 2008 for NOX-reducing devices

The Sub-Committee agreed that the guidelines, as called for under paragraph 2.2.5.6 of the revised NOX Technical Code 2008, do not need to be developed at this stage.

2009 Guidelines for exhaust gas cleaning systems

The Sub-Committee referred this issue to a Working Group for discussion. The Group prepared draft text prepared for further consideration at the next session

Draft priority list additional MARPOL Annex VI and the NOX Technical Code 2008 guidelines

The Sub-Committee agreed to the following revised priority list for developing other guidelines and guidance documents under MARPOL Annex VI and NOX Technical Code 2008:

No.	Guidelines/Guidance documents
1	Guidelines pertaining to equivalent methods set forth in regulation 4 of MARPOL Annex VI and not covered by other guidelines
2	Guidelines for dual-fuel operation utilizing a proportion of high sulphur content non-compliant fuel oil
3	Guidelines for on-board blending of fuel oil
4	Guidelines as to status of blends of petroleum and non-petroleum based fuel oils relative to the requirements of regulations 18.3.1 and 18.3.2 of MARPOL Annex VI
5	Guidelines for dry based Exhaust Gas Cleaning Systems
6	Guidelines as called for under paragraph 2.2.5.6 of the revised NOx Technical Code 2008 (NOx-reducing devices)

Guidelines related to the OPRC Convention and OPRC-HNS Protocol

Having considered the report from the sixteenth meeting of the OPRC-HNS Technical Group, the Subcommittee:

- .1 Established a correspondence group under the coordination of France⁸ and instructed it to:
 - complete the draft part III of the IMO Dispersant Guidelines and develop a draft part IV of these Guidelines for consideration by PPR 2; and
 - finalize the draft Guidelines on international offers of assistance.
- .2 Noted the plan and timetable for the development of the Guide on oil spill response in ice and snow conditions and concurred with the revised table of contents of the Guide.
- .3 Agreed to the draft Guidance on the safe operation of oil pollution combating equipment and instructed the Secretariat to forward the text of the Guidance to MEPC 67, for consideration with a view to approval for publication.
- .4 Agreed that the former OPRC-HNS Technical Group will cease to meet as an intersessional working group and its work will be integrated in the regular work of the Sub-Committee.

Disposal of cooking oil

MEPC 65 had instructed The Sub-Committee to consider the appropriateness of disposing of cooking oil via a ship's oil residue tank (sludge tank), as well as the methods of recording such disposal.

Most of the delegations that spoke supported the view that, in accordance with MARPOL Annex V, cooking oil should be considered as garbage and should be discharged to a reception facility or be disposed by incineration. With a view to providing further clarity in the matter and ensuring a consistent approach, the Sub-Committee invited submission of relevant proposals, including text for a draft unified interpretation to MARPOL Annex V, to PPR 2.

Work program

The Sub-committee proposed the following adjustments to its work program:

⁸ Mr. Francois Merlin (E-mail: francois.merlin@cedre.fr)

Output	Description	Parent	Coordinating	Associated	Target
7.1.2.6	Guidance for international offers of assistance in response to a marine oil pollution incident	MEPC		PPR	2014 2015
7.1.2.10	Guide on Oil Spill Response in Ice and Snow Conditions	MEPC		PPR	2014 2015
7.1.2.11	Updated IMO Dispersant Guidelines	MEPC			2014 2015
7.3.2.2	Keep under review IMO measures and contributions to international climate mitigation initiatives and agreements (including CO2 sequestration and ocean fertilization as well as consideration of the impact on the Arctic of emissions of Black Carbon from international shipping)	MEPC		PPR	2014 2015

Meetings not yet reported and future meetings:

Dates	Meeting	Agenda Items
17 to 21 February 2014	Sub-Committee on Human Element, Training and Watchkeeping (HTW 1)	<ul style="list-style-type: none"> • Validation of model training courses • Role of the human element • Development of a mandatory Code for Ships operating in Polar waters • Training in hot work procedures on crude oil tankers • Develop guidelines for shipowners and seafarers for proper implementation of relevant IMO instruments in relation to the carriage of dangerous goods in packaged form by sea • Development of a globally-consistent format for the certificate of training and education issued under the STCW Convention
10 to 14 March 2014	Sub-Committee on Ship Systems and Equipment (SSE 1)	<ul style="list-style-type: none"> • Development of amendments to SOLAS regulation II-1/40.2 concerning general requirements on electrical installations • Smoke control and ventilation • Development of life safety performance criteria for alternative design and arrangements for fire safety (MSC/Circ.1002) • Development of a new framework of requirements for safety objectives and functional requirements the approval of alternative design and arrangements for SOLAS chapters II-1 (parts C, D and E) and III • Development of amendments to the LSA Code for thermal performance of immersion suits • Development of amendments to the LSA Code for free-fall lifeboats with float-free capability • Development of amendments to the 2009 MODU Code concerning lifeboat drills • Development of requirements for onboard lifting appliances and winches • Considerations related to the double sheathed low-pressure fuel pipes for fuel injection systems in engines on crude oil tankers • Development of amendments to the provisions of SOLAS chapter II-2 relating to secondary means of venting cargo tanks • Development of amendments to the requirements for foam-type fire-extinguishers in SOLAS regulation II-2/10.5
31 March to 4 April 2014	Marine Environment Protection Committee (MEPC 66)	<ol style="list-style-type: none"> 2 Harmful aquatic organisms in ballast water 3 Recycling of ships 4 Air pollution and energy efficiency <ol style="list-style-type: none"> 4.1 Further technical and operational measures for enhancing energy efficiency of international shipping 5 Reduction of GHG emissions from ships 6 Consideration and adoption of amendments to mandatory

Dates	Meeting	Agenda Items
		instruments 7 Interpretations of, and amendments to, MARPOL and related instruments 8 Implementation of the OPRC Convention and the OPRC-HNS Protocol and relevant Conference resolutions 9 Identification and protection of Special Areas and Particularly Sensitive Sea Areas 10 Inadequacy of reception facilities 11 Reports of sub-committees 12 Work of other bodies 13 Harmful anti-fouling systems for ships 14 Promotion of implementation and enforcement of MARPOL and related instruments 15 Technical co-operation activities for the protection of the marine environment 16 Role of the human element 17 Noise from commercial shipping and its adverse impacts on marine life
28 April to 2 May 2014	Legal Committee (LEG 101)	3 Facilitation of the entry into force and harmonized interpretation of the HNS Protocol, 2010 4 Fair treatment of seafarers in the event of a maritime accident 5 Piracy 7 Technical cooperation activities related to maritime legislation 11 Any other business: (i) Liability and compensation issues connected with transboundary pollution damage from offshore oil exploration and exploitation activities
28 April to 2 May 2014	CCC Editorial and Technical Group for the IMBSC Code (ET 21)	<ul style="list-style-type: none"> Finalization of draft amendments to the IMSBC Code
14 to 23 May 2014	Maritime Safety Committee (MSC 93)	3 Consideration and adoption of amendments to mandatory instruments 4 Measures to enhance maritime security 5 Goal-based new ship construction standards 7 Training and Watchkeeping (report of the forty-fourth session of the Sub-Committee) 8 Safety of Navigation (report of the fifty-ninth session of the Sub-Committee) 9 Dangerous goods, solid cargoes and containers (report of the eighteenth session of the Sub-Committee) 10 Ship design and construction (report of the first session of the Sub-Committee) 11 Human element, training and watchkeeping (urgent matters emanating from the first session of the Sub-Committee) 12 Ship systems and equipment (urgent matters emanating from the first session of the Sub-Committee) 15 Formal safety assessment, including general cargo ship safety 16 Piracy and armed robbery against ships 17 Implementation of instruments and related matters 20 Work programme 21 Any other business
11 to 13 June 2014	Technical Co-operation Committee (TCC 64)	To be developed
16 to 20 June 2014	Council (C 112)	5 IMO Member State Audit Scheme 6 Consideration of the report of the Marine Environment Protection Committee 7 Consideration of the report of the Legal Committee 8 Consideration of the report of the Maritime Safety Committee 9 Consideration of the report of the Technical Cooperation Committee
30 June to 4 July 2014	Sub-Committee on Navigation, Communication and Search and Rescue (NCSR 1)	4 Consideration of ECDIS matters related to the implementation of the carriage requirements in SOLAS regulations V/19.2.10 and V/19.2.11 5 Consolidation of ECDIS-related IMO circulars

Dates	Meeting	Agenda Items
		<ul style="list-style-type: none"> 7 Development of explanatory footnotes to SOLAS regulations V/15, V/18, V/19 and V/27 8 Consideration of LRIT-related matters 9 Development of an e-navigation strategy implementation plan 10 Development of performance standards for multi-system shipborne navigation receivers 11 Revision of the Guidelines for the onboard operational use of shipborne automatic identification systems (AIS) 12 Developments in maritime radiocommunication systems and technology 13 Review and modernization of the Global Maritime Distress and Safety System (GMDSS) 14 Further development of the GMDSS master plan on shore-based facilities 15 Consideration of operational and technical coordination provisions of maritime safety information (MSI) services, including the development and review of related documents 16 Consideration of radiocommunication ITU-R Study Group matters 17 Consideration of ITU World Radiocommunication Conference matters 18 Consideration of developments in Inmarsat and Cospas-Sarsat 19 Development of guidelines on harmonized aeronautical and maritime search and rescue procedures, including SAR training matters 20 Further development of the Global SAR Plan for the provision of maritime SAR services, including procedures for routeing distress information in the GMDSS 21 Development of amendments to the IAMSAR Manual 22 Development of measures to protect the safety of persons rescued at sea 23 Development of a mandatory Code for ships operating in polar waters 24 Consideration of IACS unified interpretations
14 to 18 July 2014	Sub-Committee on Implementation of IMO Instruments (III 1)	<ul style="list-style-type: none"> 3 Responsibilities of Governments and measures to encourage flag State compliance 4 Mandatory reports under MARPOL 5 Casualty analysis and statistics 6 Harmonization of port State control activities 7 PSC Guidelines on seafarers' hours of rest and PSC guidelines in relation to the Maritime Labour Convention, 2006 8 Development of guidelines on port State control under the 2004 BWM Convention 9 Comprehensive analysis of difficulties encountered in the implementation of IMO instruments 10 Review and update of the Survey Guidelines under the Harmonized System of Survey and Certification (HSSC) and the non-exhaustive list of obligations under instruments relevant to the IMO Instruments Implementation Code (III Code) 11 Consideration of IACS Unified Interpretations 12 Measures to protect the safety of persons rescued at sea 13 Illegal unregulated and unreported (IUU) fishing and related matters 14 Review of general cargo ship safety
8 to 12 September 2014	Sub-Committee on Carriage of Cargoes and Containers (CCC 1)	<ul style="list-style-type: none"> 3 Amendments to CSC 1972 and associated circulars (5.2.3.1) 4 Development of international code of safety for ships using gases or other low-flashpoint fuels (IGF Code) (5.2.1.2) 5 Amendments to the IMSBC Code and supplements (5.2.3.3) 6 Amendments to the IMDG Code and supplements (5.2.3.4) 7 Unified interpretation to provisions of IMO safety, security and environment related Conventions (1.1.2.3) 8 Analysis of casualty and PSC data to identify trends and develop knowledge and risk based recommendations (12.1.2.1)

Dates	Meeting	Agenda Items
22 to 26 September 2014	Facilitation Committee (FAL 39)	<ul style="list-style-type: none"> 3 Consideration and adoption of proposed amendments to the Convention 4 General review of the Convention, including harmonization with other international instruments 5 E-business possibilities for the facilitation of maritime traffic 6 Formalities connected with the arrival, stay and departure of persons 7 Ensuring security in and facilitating international trade 8 Ship/port interface 9 Guidelines on minimum training and education for mooring personnel 10 Technical cooperation activities related to facilitation of maritime traffic 11 Relations with other organizations
29 September to 3 October 2014	Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals (ESPH 20)	<ul style="list-style-type: none"> 1 Evaluation of new products 2 Evaluation of new cleaning additives 3 Review of MEPC.2/Circular – Provisional classification of liquid substances transported in bulk and other related matters 4 Consideration of the outcome of the most recent session of GESAMP/EHS 5 Review of products requiring oxygen dependent inhibitors and proposals to amend MSC/Circ.879-MEPC/Circ.348 6 Review of safety criteria guidelines in chapter 21 of the IBC Code to address inconsistencies in chapters 17 and 18
13 to 17 October 2014	Marine Environment Protection Committee (MEPC 67)	<ul style="list-style-type: none"> 2 Harmful aquatic organisms in ballast water 3 Recycling of ships 4 Air pollution and energy efficiency <ul style="list-style-type: none"> 4.1 Further technical and operational measures for enhancing energy efficiency of international shipping 5 Reduction of GHG emissions from ships 6 Consideration and adoption of amendments to mandatory instruments 7 Interpretations of, and amendments to, MARPOL and related instruments 8 Implementation of the OPRC Convention and the OPRC-HNS Protocol and relevant Conference resolutions 9 Identification and protection of Special Areas and Particularly Sensitive Sea Areas 10 Inadequacy of reception facilities 11 Reports of sub-committees 12 Work of other bodies 13 Harmful anti-fouling systems for ships 14 Promotion of implementation and enforcement of MARPOL and related instruments 15 Technical co-operation activities for the protection of the marine environment 16 Noise from commercial shipping and its adverse impacts on marine life
3 to 7 November 2014	Consultative meeting of Contracting Parties to the London Convention, 1972 and London Protocol, 1996 (LC 36 / LP 9)	<ul style="list-style-type: none"> 4 Consideration of the report of the Scientific Groups 5 Marine geoengineering including ocean fertilization 6 CO2 sequestration in sub-seabed geological formations (LP) 7 Compliance issues: <ul style="list-style-type: none"> 7.1 consideration of the report of the 7th session of the Compliance Group (LP) 7.2 other issues 8 Technical cooperation and assistance 9 Interpretation of the London Convention and Protocol 10 Matters related to the management of radioactive wastes 11 Monitoring for the purposes of the London Convention and Protocol
1 to 5 December 2014	Council (C 113)	To be determined

Dates	Meeting	Agenda Items
17 to 21 November 2014	Maritime Safety Committee (MSC 94)	<ul style="list-style-type: none"> • Consideration and adoption of amendments to mandatory instruments • Consideration of reports from the Sub-Committees • Goal-based new ship construction standards
19 to 23 January 2015 (tentative)	Sub-Committee on Pollution Prevention and Response (PPR 2)	<ol style="list-style-type: none"> 3 Safety and pollution hazards of chemicals and preparation of consequential amendments to MARPOL Annex II and the IBC Code, taking into account recommendations of GESAMP-EHS (7.2.2.1) 4 Code for the transport and handling of limited amounts of hazardous and noxious liquid substances in bulk on offshore support vessels (7.1.2.13) 5 Guidelines for port State control under the 2004 BWM Convention, including guidance on ballast water sampling and analysis (2.0.1.2) 6 Production of a manual entitled "Ballast Water Management – how to do it" (7.1.2.5) 7 Improved and new technologies approved for ballast water management systems and reduction of atmospheric pollution (13.0.3.1) 8 Consideration of the impact on the Arctic of emissions of Black Carbon from international shipping (7.3.2.2) 9 Guidelines related to MARPOL Annex VI and the NOx Technical Code in accordance with Action Plan endorsed by MEPC 64 (7.3.1.1) 10 Guidance for international offers of assistance in response to a marine oil pollution incident (7.1.2.6) 11 Revised section II of the Manual on Oil Pollution-Contingency planning (7.1.2.9) 12 Guide on Oil Spill Response in Ice and Snow Conditions (7.1.2.10) 13 Updated IMO Dispersant Guidelines (7.1.2.11) 14 Updated OPRC Model training courses (7.2.3.2)** 15 Unified interpretation to provisions of IMO environment related conventions (1.1.2.3)
2 to 6 February 2015 (tentative)	Sub-Committee on Human Element, Training and Watchkeeping (HTW 2)	<ol style="list-style-type: none"> 3 Validated model training courses (5.2.2.3) 5 Revised guidelines for model course development, updating and validation processes (5.2.2.6) 6 [Development of guidance for the implementation of the 2010 Manila Amendments] 7 Follow-up action to the STCW-F Conference resolutions 6 and 7 (5.2.1.20) 9 Role of the human element 10 Mandatory Code for ships operating in polar waters (5.2.1.15) 12 Training in hot-work procedures on crude oil tankers (5.2.2.7) 13 First outline of the detailed review of the Global Maritime Distress and Safety System (GMDSS) (5.2.5.2) 14 E-navigation strategy implementation plan (5.2.6.1) 15 Guidelines for shipowners and seafarers for implementation of relevant IMO instruments in relation to the carriage of dangerous goods in packaged form by sea (5.2.2.9) 16 Non-mandatory instrument on regulations for non-convention ships (5.2.1.16)

Dates	Meeting	Agenda Items
16 to 20 February 2015 (tentative)	Sub-Committee on Ship Design and Construction (SDC 2)	<ul style="list-style-type: none"> 2 Decisions of other IMO bodies 3 Development of a mandatory code for ships operating in polar waters (5.2.1.15) 4 Second-generation intact stability criteria (5.2.1.12) 5 Amendments to SOLAS chapter II-1 subdivision and damage stability regulations (5.2.1.13) 7 Amendments to SOLAS regulation II-1/11 and development of associated Guidelines to ensure the adequacy of testing arrangements for watertight compartments (5.2.1.26) 8 Amendments to the 2011 ESP Code (2.0.1.7) 9 Guidelines for use of Fibre Reinforced Plastic (FRP) within ship structures (5.2.1.21) 10 Amendments to SOLAS chapter II-2, the FTP Code and MSC/Circ.1120 to clarify the requirements for plastic pipes on ships (5.2.1.27) 12 Amendments to the criterion for maximum angle of heel in turns of the 2008 IS Code (5.2.1.1) 13 Amendments to part B of the 2008 IS Code on towing, lifting and anchor handling operations (5.2.1.24) 14 Review of general cargo ship safety (5.2.1.3) 16 Guidelines addressing the carriage of more than 12 industrial personnel on board vessels engaged on international voyages (5.2.1.4) 17 Classification of offshore industry vessels and a review of the need for a non-mandatory code for offshore construction support vessels (5.2.1.19) 20 Unified interpretation to provisions of IMO safety, security, and environment-related Conventions (1.1.2.3)
2 to 6 March 2015 (tentative)	Sub-Committee on Navigation, Communication and Search and Rescue (NCSR 2)	To be determined
23 to 27 March 2015 (tentative)	Sub-Committee on Ship Systems and Equipment (SSE 2)	<ul style="list-style-type: none"> 3 Smoke control and ventilation (5.2.1.8) 5 Development of life safety performance criteria for alternative design and arrangements for fire safety (MSC/Circ.1002) (5.1.1.4) 6 New framework of requirements for life-saving appliances (5.1.2.1) 7 Safety objectives and functional requirements of the Guidelines on alternative design and arrangements for SOLAS chapters II-1 and III (5.2.1.10) 8 Requirements for onboard lifting appliances and winches (5.2.1.22) 10 Amendments to the requirements for foam-type fire-extinguishers in SOLAS regulation II-2/10.5 (5.2.1.28) 11 Unified interpretation to provisions of IMO safety, security, and environment-related Conventions (1.1.2.3) 12 Development of amendments to the Guidelines for vessels with dynamic positioning (DP) systems (MSC/Circ.645) (5.2.1)
13 to 17 April 2015 (tentative)	Legal Committee (LEG 102)	To be determined

Dates	Meeting	Agenda Items
11 to 15 May 2015 (tentative)	Marine Environment Protection Committee (MEPC 68)	<ul style="list-style-type: none"> 2 Harmful aquatic organisms in ballast water 3 Recycling of ships 4 Air pollution and energy efficiency <ul style="list-style-type: none"> 4.1 Further technical and operational measures for enhancing energy efficiency of international shipping 5 Reduction of GHG emissions from ships 6 Consideration and adoption of amendments to mandatory instruments 7 Interpretations of, and amendments to, MARPOL and related instruments 8 Implementation of the OPRC Convention and the OPRC-HNS Protocol and relevant Conference resolutions 9 Identification and protection of Special Areas and Particularly Sensitive Sea Areas 10 Inadequacy of reception facilities 11 Reports of sub-committees 12 Work of other bodies 13 Harmful anti-fouling systems for ships 14 Promotion of implementation and enforcement of MARPOL and related instruments 15 Technical co-operation activities for the protection of the marine environment 16 Noise from commercial shipping and its adverse impacts on marine life
3 to 12 June 2015 (tentative)	Maritime Safety Committee (MSC 95)	To be determined
22 to 26 June 2015 (tentative)	Technical Co-operation Committee (TCC 65)	To be determined
29 June to 3 July 2015 (tentative)	Council (C 114)	To be determined
13 to 17 July 2015 (tentative)	Sub-Committee on Implementation of IMO Instruments (III 12)	To be determined
14 to 18 September 2015 (tentative)	Sub-Committee on Carriage of Cargoes and Containers (CCC 2)	To be determined
12 to 16 October 2015 (tentative)	Consultative meeting of Contracting Parties to the London Convention, 1972 and London Protocol, 1996 (LC 37 / LP 10)	To be determined
16 to 20 November 2015 (tentative)	Council, Executive Session (C/ES 28)	To be determined
23 November to 2 December 2015 (tentative)	Assembly (A 29)	To be determined
3 December 2015 (tentative)	Council (C 115)	To be determined

Private Sector Activities

International Association of Oil and Gas Producers (OGP) (as of 25 March 2014)

The following recently-issued publications can be downloaded from: <http://www.ogp.org.uk/publications/>

Document title	Date
Shaping safety culture through safety leadership (Report No. 452)	OCT 2013
Standards and guidelines for drilling, well constructions and well operations (Report No. 485)	OCT 2013
Environmental Performance Indicators – 2012 Data (Report No. 2012e)	NOV 2013
Good practice guidelines for the development of shale oil and gas (Report No. 489)	DEC 2013
Standards bulletin 14	DEC 2013
Managing psychosocial risks: a guide for expatriates in the oil & gas industry (Report No. 495)	DEC 2013
Implementing an in-vehicle monitoring program— A guide for the oil and gas extraction industry (Report No. 365-12, version 2)	MAR 2014
Reliability of offshore structures— Current design and potential inconsistencies (Report No. 486)	MAR 2014

International Petroleum Industry Environmental Conservation Association (IPIECA) (as of 22 March 2014)

The following are available for download at: <http://www.ipieca.org/library>

Document title	Date
Energy and greenhouse gas efficiency compendium	OCT 2013
Managing psychosocial risks: a guide for expatriates in the oil & gas industry (OGP Report No. 495)	DEC 2013
A-Z of Biodiversity Terms	DEC 2013
Integrating human rights into environmental, social and health impact assessments. A practical guide for the oil and gas industry.	DEC 2013
The Cross Sector Biodiversity Initiative (CSBI) Timeline Tool	DEC 2013
Good practice guidelines for the development of shale oil and gas	DEC 2013
The Global Initiative: partnership for enhanced oil spill response (fact sheet)	JAN 2014

International Marine Contractors Association (IMCA) (as of 18 March 2014)

The following were recently issued:

Document No.	Document title	Issue Date
M 194, Rev. 1 SEL 022, Rev. 1	Guidance on wire rope integrity management for vessels in the offshore industry	JAN 2014
M 215 Rev. 1 SEL 030 Rev. 1	Safe lifting DVD	APR 2013
M 221 / SEL 032	Guidance on Safety in Shipyards	JAN 2013
M 223	Guidance for the positioning of dynamically positioned (DP) jack-up vessels on and off the seabed	APR 2013
R 018	Guidelines for Installing ROV Systems on Vessels or Platforms	MAY 2013

Document No.	Document title	Issue Date
S 006, Rev. 2	Inter-vessel survey data standard telemetry protocol	FEB 2014
SEL 033	Guidance on Occupational Health	JUN 2013

International Association of Classification Societies (IACS) (as of 23 March 2014)

The following were recently issued:

Document No.	Document title	Issue Date
PR 01A, Rev 2	Procedure for Transfer of Class	OCT 2013
PR 01B, Rev 2	Procedure for Adding, Maintaining or Withdrawing Double or Dual Class	JUL 2013
PR 01C, Rev 3	Procedure for Suspension and Reinstatement or Withdrawal of Class in Case of Surveys, Conditions of Class or Recommendations Going Overdue	JUL 2013
PR 01 Annex	Annexes to PR1A, PR1B and PR1C	OCT 2013
PR 17 and PR18 Contact Details	PR PR17 and PR18 (ISM and ISPS Matters) Point of Contact Details	NOV 2013
PR 23, Rev 1	Procedure for Reporting Cancellation of Approval of a Thickness Measurement Firm	DEC 2013
UI LL76, Rev. 1	Initial statutory surveys at new construction	FEB 2014
UI LL 78, Corr.1	Keel laying date for fibre-reinforced plastic (FRP) craft	JAN 2014
UI MPC 96, Rev. 1	Initial Statutory Surveys at New Construction	FEB 2014
UI MPC 105	Gaseous emissions calculation of marine diesel engines fitted with selective catalytic reduction (SCR) systems	NOV 2013
UI SC 132, Rev. 4	Release operation of the CO2 system FSS Code, Ch. 5, 2.2.2 & 2.1.3.2 (as amended by MSC.339(91))	NOV 2013
UI SC 213, Rev. 2	Arrangements for remotely located survival craft SOLAS Regulations III/31.1.4, III/7.2.1.4, III/11.4, III/11.7, III/13.1.3, III/16.7 and LSA Code para. 4.1.3.2	NOV 2013
UI SC 223, Rev. 2	For application of SOLAS Regulation II-1/3-2 performance standard for protective coatings (PSPC) for dedicated seawater ballast tanks in all types of ships and double-side skin spaces of bulk carriers, adopted by Resolution MSC.215(82)	SEP 2013
UI SC 234, Rev. 1	Initial statutory surveys at new construction	FEB 2014
UI SC 255, Corr.1	Fuel pump arrangement required for ships to maintain normal operation of propulsion machinery when operating in emission control areas and non-restricted areas SOLAS II-1 26-3. (Partially)	NOV 2013
UI SC 259	For Application of SOLAS Regulation II-1/3-11 Performance Standard for Protective Coatings for Cargo Oil Tanks of Crude Oil Tankers (PSPC-COT), adopted by Resolution MSC.288(87)	OCT 2013
UI SC 263	Gaskets in fixed gas fire-extinguishing systems (SOLAS II-2/10.4, IMO FSS Code Ch 5)	OCT 2013
UI SC 264	Non-combustible material as 'steel or equivalent' for ventilation ducts (SOLAS II-2, Reg. 9.7.1.1)	DEC 2013
UI SC 265	Code of safe practice for cargo stowage and securing - Annex 14	DEC 2013
UI SC 266	Revised guidelines for cargo securing manual and code of safe practice for cargo stowage and securing – scope of application (MSC.1/Circ.1352 and MSC.1/Circ.1353)	DEC 2013
UR M 10, Rev. 4	Protection of internal combustion engines against crankcase explosions	JUL 2013

Document No.	Document title	Issue Date
UR M 56, Rev. 2	Marine gears – load capacity of involute parallel axis spur and helical gears	OCT 2013
UR Z 3, Rev. 6	Periodical survey of the outside of the ship's bottom and related items	DEC 2013
UR Z 16, Rev. 4	Periodical surveys of cargo installations on ships carrying liquefied gases in bulk	OCT 2013
Rec. No. 071, Corr. 1	Guide For The Development of Shipboard Technical Manuals	MAR 2014
Rec. No. 132	Human Element Recommendations for structural design of lighting, ventilation, vibration, noise, access and egress arrangements	DEC 2013
Rec. No. 133	Guidelines for Pilot Schemes of Extended Interval between Surveys in Dry-Dock - Extended Dry-docking (EDD) Scheme	NOV 2013

International Electrotechnical Commission (IEC) (as of 23 March 2014)

The following standards have been finalized since the last issue of this report:

Standard No.	Document title	Committee	Date
TS 60079-32-1 Ed. 1.0	Explosive atmospheres – Part 32-1: Electrostatic hazards, Guidance	TC 31	AUG 2013
60092-501 Ed.5.0	Electrical installations in ships – Part 501: Special features – Electric propulsion plant	TC 18	OCT 2013
60079-0 Ed 6.0	Interpretation sheet 1 - Explosive atmospheres – Part 0: Equipment - General requirements	TC 31	NOV 2013
60079-0 Ed 6.0,Corr.1	Interpretation sheet 1 - Explosive atmospheres – Part 0: Equipment - General requirements	TC 31	NOV 2013
60079-0 Ed 6.0,Corr.2	Interpretation sheet 1 - Explosive atmospheres – Part 0: Equipment - General requirements	TC 31	DEC 2013
60079-0	Interpretation sheet 1 - Explosive atmospheres – Part 0: Equipment - General requirements	TC 31	NOV 2013
60079-31 Ed. 2.0	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "	TC 31	NOV 2013
60079-14 Ed. 5.0	Explosive atmospheres – Part 14: Electrical installations design, selection and erection	SC 31 J	NOV 2013
60079-17 Ed. 5.0	Explosive atmospheres – Part 17: Electrical installations inspection and maintenance	SC 31J	NOV 2013
60079-28 Ed 1.0	Interpretation Sheet 1 - Explosive atmospheres – Part 28: Protection of equipment and transmission systems using optical radiation	TC 31	MAR 2014

The following projects are active:

Standard No.	Document title	Committee	Next Stage	Forecast Date
60092-101 Ed.5.0	Electrical installations in ships – Part 101: Definitions and general	TC 18	A2CD	FEB 2016
60092-201 Ed.5.0	Electrical installations in ships – Part 201: System design - General	TC 18	A2CD	FEB 2016
60092-202 Ed.5.0	Electrical installations in ships – Part 202: System design - Protection	TC 18	A2CD	FEB 2016
60092-502 Ed.6.0	Electrical installations in ships – Part 502: Tankers – Special features	TC 18	CCDV	APR 2015

Standard No.	Document title	Committee	Next Stage	Forecast Date
60533 Ed. 3.0	Electrical and electronic installations in ships – Electromagnetic compatibility	TC 18	ADIS	SEP 2014
61892-1 Ed. 3.0	Mobile and fixed offshore units – Electrical installations – Part 1: General requirements and conditions	TC 18	ACDV	NOV 2015
61892-5 Ed. 3.0	Mobile and fixed offshore units – Electrical installations – Part 5: Mobile units	TC 18	CCDV	DEC 2014
61892-7 Ed. 3.0	Mobile and fixed offshore units – Electrical installations – Part 7: Hazardous areas	TC 18	CCDV	OCT 2014
IEC/ISO/IEEE 80005-1 Ed. 2.0	Utility connections in port – Part 1: High Voltage Shore Connection (HVSC) Systems - General requirements	TC 18	AMW	DEC 2015
IEC/ISO/IEEE 80005-2 Ed. 1.0	Utility connections in port – Part 2: High voltage shore connection (HVSC) systems – Communication interface description	TC 18	A2CD	DEC 2013
60092-350 Ed. 4.0	Electrical installations in ships - Part 350: General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications	SC 18A	CCDV	JAN 2015
60092-354 Ed. 3.0	Electrical installations in ships - Part 354: Single- and three-core power cables with extruded solid insulation for rated voltages 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)	SC 18A	CCDV	NOV 2014
60092-360 Ed. 1.0	Electrical installations in ships - Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables	SC 18A	CDIS	MAY 2014
60079-1 Ed. 7.0	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures "d"	TC 31	CDIS	JUL 2014
60079-13 Ed. 2.0	Explosive atmospheres – Part 13: Equipment protection by pressurized enclosures "p"	TC 31	AMW	APR 2015
60079-18 Ed. 4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"	TC 31	DEC	NOV 2014
60079-26 Ed. 3.0	Explosive atmospheres – Part 26: Equipment with equipment protection level (EPL) Ga	TC 31	ADIS	MAR 2014
60079-28 Ed. 2.0	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation	TC 31	CCDV	JAN 2015
60079-29-1 Ed. 2.0	Explosive atmospheres – Part 29-1: Gas detectors – Performance requirements of detectors for flammable gases	TC 31	CDM	AUG 2014

Standard No.	Document title	Committee	Next Stage	Forecast Date
60079-29-2 Ed. 2.0	Explosive atmospheres – Part 29-2: Gas detectors – Selection, installation, use and maintenance of detectors for flammable gases and oxygen	TC 31	ADIS	MAR 2014
60079-29-3 Ed.1.0	Explosive atmospheres – Part 29-3: Gas detectors – Guidance on functional safety of fixed gas detection systems	TC 31	ANW	MAR 2017
60079-32-2 Ed. 1.0	Explosive atmospheres - Part 32-2: Electrostatics hazards - Tests	TC 31	ADIS	DEC 2014
60079-5 Ed. 4.0	Explosive atmospheres – Part 5: Equipment protection by powder filling "q"	TC 31	ADIS	FEB 2015
60079-6 Ed. 4.0	Explosive atmospheres – Part 6: Equipment protection by oil immersion "o"	TC 31	ADIS	SEP 2014
60079-7 Ed. 5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"	TC 31	ADIS	MAY 2015
IEC/IEEE 60079-30-1 Ed.1.0	Explosive atmospheres Part 30-1: Electrical resistance trace heating- General, type testing and design requirements	TC 31	ACDV	JUN 2015
IEC/IEEE60079-30-2 Ed.1.0	Explosive atmospheres Part 30-2: Electrical resistance trace heating– Application guide for design, installation and maintenance	TC 31	ACDV	JUN 2015
TS 60079-40 Ed. 1.0	Explosive atmospheres – Requirements for Process Sealing Between Flammable or Combustible Process Fluids and Electrical Systems	TC 31	ACDV	APR 2015
60079-10-1 Ed. 2.0	Explosive atmospheres – Part 10-1: Classification of areas – Explosive gas atmospheres	SC 31J	ACDV	SEP 2015
60079-10-2 Ed. 2.0	Explosive atmospheres – Part 10-2: Classification of areas - Combustible dust atmospheres	SC 31J	CCDV	JAN 2015
60079-19 am1 Ed. 3.0	Amendment 1: Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation	SC 31J	CCDV	MAY 2015
80079-36 Ed 1.0	Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements	SC 31M	CDM	JUL 2013

Stage code: A"X"CD (Approved for "X"th Committee Draft); ADIS (Approved for FDIS Circulation); AMW (Approved Maintenance Work); ANW (Approved New Work) BPUB (Being printed); CCDV (Circulated as Committee Draft with Vote); CDM (CD to be discussed at meeting); NCD (CCDV not approved); PNW (Proposed New Work); PWI (Potential New Work Item); CDIS (draft circulated as FDIS); APUB (draft approved for publication); DEC (draft at editing check)

International Organization for Standardization (ISO) (as of 21 March 2014)

The following standards are in the early stages of development:

Standard No.	Document title	Committee	Date
NP 12495	Cathodic protection for fixed steel offshore structures	TC 156	Project approved 15 JAN 2009
NP 13173	Cathodic protection for steel offshore floating structures	TC 156	Project approved 15 JAN 2009
CD 13628-7	Petroleum and natural gas industries – Design and operation of subsea production systems – Part 7: Completion/workover riser systems (Revision of ISO 13628-7:2005)	TC 67/SC 4	CD registered 06 JAN 2011
CD 13503-3	Petroleum and natural gas industries – Completion fluids and materials – Part 3: Testing of heavy brines (Revision of ISO 13503-3:2005)	TC 67/SC 3	Close of voting 17 AUG 2011
CD 16706	Ships and Marine Technology – Marine evacuation systems	TC 8/SC 1	Close of voting 07 OCT 2011
NP 19901-2	Petroleum and natural gas industries – Specific requirements for offshore structures – Part 2: Seismic design procedures and criteria (Revision of ISO 19901-2:2004)	TC 67/SC 7	Project approved 03 NOV 2011
CD 19901-4	Petroleum and natural gas industries – Specific requirements for offshore structures – Part 4: Geotechnical and foundation design considerations (Revision of ISO 19901-4:2003)	TC 67/SC 7	DIS registration approved 03 NOV 2011
NP 19905-3	Petroleum and natural gas industries – Site-specific assessment of mobile offshore units – Part 3: Floating units	TC 67/SC 7	Project approved 03 NOV 2011
NP 18079-1	Ships and marine technology – Servicing of inflatable lifesaving appliances – Part 1: General	TC 8/SC 1	Project approved 05 JAN 2012
NP 18079-2	Ships and marine technology – Servicing of inflatable lifesaving appliances – Part 2: Inflatable life rafts	TC 8/SC 1	Project approved 05 JAN 2012
NP 18079-3	Ships and marine technology – Servicing of inflatable lifesaving appliances – Part 3: Inflatable lifejackets	TC 8/SC 1	Project approved 05 JAN 2012
NP 18079-4	Ships and marine technology – Servicing of inflatable lifesaving appliances – Part 4: Inflatable marine evacuation systems	TC 8/SC 1	Project approved 05 JAN 2012
NP 18079-5	Ships and marine technology – Servicing of inflatable lifesaving appliances – Part 5: Inflated rescue boats	TC 8/SC 1	Project approved 05 JAN 2012
NP 17905	Ships and marine technology – Container securing devices	TC 8/SC 4	Project approved 15 FEB 2012
DTS 16339	Petroleum and natural gas industry – Well control equipment for HPHT (High Pressure High Temperature) drilling operations	TC 67/SC4	Close of voting 20 FEB 2012
AWI 14004	Environmental management systems – General guidelines on principles, systems and support techniques (Revision of ISO 14004:2004)	TC 207/SC1	Project approved 17 APR 2012
NP 18139	Ships and marine technology – Globe valves for use in low temperature applications – Design and testing requirements	TC 8/SC 3	Project approved 11 JUN 2012
NP 18154	Ships and marine technology – Pilot operated safety valves for low temperature applications – Design requirements	TC 8/SC 3	Project approved 11 JUN 2012
NP 5488	Shipbuilding – Accommodation ladders (Revision of ISO 5488:1979)	TC 8/SC 1	Project approved 07 JUL 2012

Standard No.	Document title	Committee	Date
AWI 7364	Shipbuilding and marine structures – Deck machinery – Accommodation ladder winches	TC 8/SC 1	Project registered 29 AUG 2012
AWI 17776	Petroleum and natural gas industries – Offshore production installations – Guidelines on tools and techniques for hazard identification and risk assessment (Revision of ISO 17776:2000)	TC 67/SC 6	Project registered 01 NOV 2012
AWI 16530-1	Well integrity – Part 1: Life cycle governance manual	TC 67/SC 4	Project registered 22 NOV 2012
CD 28007-1	Ships and marine technology – Guidelines for Private Maritime Security Companies (PMSC) providing privately contracted armed security personnel (PCASP) on board ships (and pro forma contract)	TC 8	DIS registration approved 04 DEC 2012
AWI 18797	Petroleum, petrochemicals and natural gas industries – External coating of riser pipes by poly-chloroprene elastomer specification	TC 67	Project registered 14 JAN 2013
NP TR 15742	Ergonomics of the physical environment – Combined effects of thermal environment, air pollution, acoustics and illumination on humans	TC 159/SC 5	Project approved 25 JAN 2013
AWI 19901-9	Petroleum and natural gas industries – Specific requirements for offshore structures – Part 9: Structural Integrity Management	TC 67/SC 7	Project registered 11 FEB 2013
NP 18647	Specifications for offshore modular drilling rigs on fixed platforms	TC 67	Project approved 19 FEB 2013
NP 13535	Petroleum and natural gas industries – Drilling and production equipment – Hoisting equipment (Revision of ISO 13535:2000)	TC 67/SC 4	Project approved 26 FEB 2013
NP 4301-1	Cranes and lifting appliances – Classification – Part 1: General (Revision of ISO 4301-1:1986)	TC 96/SC 10	Project approved 11 MAR 2013
AWI 18819	Petroleum and natural gas industries – Arctic operations – Escape, evacuation and rescue from offshore installations	TC 67/SC 8	Project registered 26 MAR 2013
AWI 18820	Petroleum and natural gas industries – Arctic Operations – Environmental monitoring for offshore exploration	TC 67/SC 8	Project registered 26 MAR 2013
AWI 18861	Petroleum and natural gas industries – Arctic Operations – Working environment	TC 67/SC 8	Project registered 26 MAR 2013
AWI 18482	Security Management System – Guidance for use – Security risk assessment	TC 247	Project registered 17 APR 2013
NP 22316	Societal security – Organizational resilience – Principles and guidelines	TC 233	Project approved 11 APR 2013
NP 14224	Petroleum, petrochemical and natural gas industries – Collection and exchange of reliability and maintenance data for equipment (Revision of ISO 14224:2006)	TC 67	Project approved 31 MAY 2013
NP 19067	Petroleum and natural gas industries – Arctic operations – Physical environmental data for arctic operations	TC 67/SC 8	Project approved 04 JUN 2013
AWI 19030-1	Ships and marine technology – Measurement of changes in hull and propeller performance – Part 1: General principles	TC 8/SC 2	Project registered 17 JUN 2013

Standard No.	Document title	Committee	Date
AWI 19030-2	Ships and marine technology – Measurement of changes in hull and propeller performance – Part 2: Enabling performance based contracts and intercompany reporting	TC 8/SC 2	Project registered 17 JUN 2013
AWI 19030-3	Ships and marine technology – Measurement of changes in hull and propeller performance – Part 3: Enabling intra-company reporting	TC 8/SC 2	Project registered 17 JUN 2013
AWI 19277	Methods for control of corrosion under thermal insulation and fire proofing materials	TC 67	Project registered 25 JUN 2013
AWI 19279	Petroleum and natural gas industries – Arctic operations – Ice management	TC 67/SC 8	Project registered 27 JUN 2013
DTR 22351	Societal security – Emergency management – Message structure for exchange of information	TC 223	Close of voting 14 JUL 2013
NP 3010	Basis for design of structures – Seismic actions on structures (<i>Revision of ISO 3010:2001</i>)	TC 98/SC 3	Project approved 02 AUG 2013
NP 9241-11	Ergonomics of human-system interaction – Part 11: Usability: Definitions and concepts (<i>Revision of ISO 9241-11:1998</i>)	TC 59/SC 4	Project approved 19 AUG 2013
AWI 19257	Petroleum and natural gas industries – Arctic operations – Material requirements for arctic operations	TC 67/SC 8	Project registered 26 AUG 2013
CD 19904-1	Petroleum and natural gas industries – Floating offshore structures – Part 1: Monohulls, semi-submersibles and spars (<i>revision of ISO 19904-1:2006</i>)	TC 67/SC 7	DIS registration approved 07 OCT 2013
CD 9000	Quality management systems – Fundamentals and vocabulary (<i>Revision of ISO 9000:2005</i>)	TC 176/SC 1	DIS registration approved 15 OCT 2013
WD TR 17908	Fibre ropes for offshore station keeping, chains and accessories - Guidance for selection and use	TC 38	Close of comment period 25 OCT 2013
AWI 19345-2	PNGI – Pipeline integrity management specification – Part 1: Full-life cycle integrity management for onshore pipeline	TC 67/SC 2	Project registered 29 OCT 2013
DTS 18683	Guidelines for systems and installations for supply of LNG as fuel to ships	TC 67	Close of voting 02 NOV 2013
CD 9001	Quality management systems – Requirements (<i>Revision of ISO 9001:2008</i>)	TC 176/SC 2	DIS registration approved 12 NOV 2013
CD 28007-2	Ships and marine technology – Guidelines for Private Maritime Security Companies (PMSC) providing privately contracted armed security personnel (PCASP) on board ships (and pro forma contract) – Part 2: International model set of maritime rules for the use of force (RUF) - The 100 series rules	TC 8	DIS registration approved 13 NOV 2013
AWI 19354	Ships and Marine Technology – Marine cranes – General requirements	TC 8/SC 4	Project registered 28 NOV 2013
AWI 19355	Ships and Marine Technology – Marine cranes – Structural requirements	TC 8/SC 4	Project registered 28 NOV 2013
AWI 19356	Ships and Marine Technology – Marine cranes – Test specification and procedures	TC 8/SC 4	Project registered 28 NOV 2013

Standard No.	Document title	Committee	Date
AWI 19357	Ships and Marine Technology – Marine cranes – Design requirements for ice zones	TC 8/SC 4	Project registered 28 NOV 2013
AWI 19359	Ships and Marine Technology – Marine cranes – Design requirements for ice zones	TC 8/SC 4	Project registered 28 NOV 2013
AWI 19360	Ships and Marine Technology – Marine cranes – Technical requirements for rigging applications	TC 8/SC 4	Project registered 28 NOV 2013
NP 3078	Shipbuilding – Cargo winches (Revision of ISO 3078:1987)	TC 8/SC 4	Project approved 29 NOV 2013
CD 8216-1	Petroleum products – Fuels (class F) classification – Part 1: Categories of marine fuels	TC 28	CD registered 22 NOV 2013
NP TR 13298	Ships and Marine Technology – Vocabulary of general terms	TC 8/SC 8	Project approved 20 NOV 2013
CD 8217	Petroleum products – Fuels (class F) – Specifications of marine fuels	TC 28	CD registered 22 NOV 2013
CD 4302	Cranes – Wind load assessment (Revision of ISO 4302:1981)	TC 96/SC 10	CD study initiated 17 DEC 2013
NP 19902	Petroleum and natural gas industries -- Fixed steel offshore structures	TC 67/SC 7	Project approved 18 DEC 2013
NP 19901-7	Petroleum and natural gas industries -- Specific requirements for offshore structures -- Part 7: Stationkeeping systems for floating offshore structures and mobile offshore units	TC 67/SC 7	Project approved 18 DEC 2013
CD 15364	Ships and marine technology – Pressure/vacuum valves for cargo tanks (Revision of ISO 15364:2007)	TC 8/SC 3	CD study initiated 19 DEC 2013
CD 22325	Societal security – Guidelines for emergency capability assessment for organizations	TC 223	Close of voting 12 JAN 2013
CD 14692-1	Petroleum and natural gas industries – Glass-reinforced plastics (GRP) piping – Part 1: Vocabulary, symbols, applications and materials	TC 67/SC 6	Close of voting 13 JAN 2014
CD 14692-2	Petroleum and natural gas industries – Glass-reinforced plastics (GRP) piping – Part 2: Qualification and manufacture	TC 67/SC 6	Close of voting 13 JAN 2014
CD 14692-3	Petroleum and natural gas industries – Glass-reinforced plastics (GRP) piping – Part 3: System design	TC 67/SC 6	Close of voting 13 JAN 2014
CD 14692-4	Petroleum and natural gas industries – Glass-reinforced plastics (GRP) piping – Part 4: Fabrication, installation and operation	TC 67/SC 6	Close of voting 13 JAN 2014
CD 18119	Gas cylinders – Seamless steel and aluminium-alloy gas cylinders – Periodic inspection and testing	TC 58/SC 4	CD study initiated 17 JAN 2014
CD 17741	General technical rules for measurement, calculation and verification of energy savings of projects	TC 257	Close of voting 22 JAN 2014
CD 14001	Environmental management systems – Requirements with guidance for use (Revision of ISO 14001:2004)	TC 207/SC 1	Close of voting 25 JAN 2014
WD 18788	Management system for quality of private security company (PSC) operations – Requirements with guidance	PC 284	WD study initiated 28 JAN 2014
NP TR 25901-2	Welding and allied processes – Vocabulary – Part 2: Health and safety	TC 44/SC 7	Project approved 28 JAN 2014

Standard No.	Document title	Committee	Date
NP TR 25901-3	Welding and allied processes – Vocabulary – Part 3: Welding processes	TC 44/SC 7	Project approved 28 JAN 2014
CD 17747	Determination of energy savings in organizations	TC 257	Close of voting 29 JAN 2014
ISO 13849-1:2006/ D Amd 1	Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design – Amendment 1	TC 199	Close of voting 31 JAN 2014
NP 6385	Ergonomic principles in the design of work systems	TC 159/SC 1	CD study initiated 07 FEB 2014
NP 37001	Anti-bribery management systems	PC 278	Project approved 07 FEB 2014
CD TS 17920	Fibre ropes for offshore stationkeeping – Aramid	TC 38	CD registered 12 FEB 2014
WD 45001	Occupational health and safety management systems – Requirements	PC 283	Close of comment period 12 FEB 2014
NP 22472	Ships and marine technology -- Guidelines for the operation and installation of voyage data recorders (VDR)	TC 8/SC 5	Project approved 20 FEB 2014
ISO/IEC CD 25023	Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Measurement of system and software product quality (<i>Revision of ISO 25023:2011</i>)	JTC 1/SC 7	CD study initiated 21 FEB 2014
CD 7250-3	Basic human body measurements for technological design – Part 3: Worldwide and regional design values for use in ISO equipment standards	TC 159/SC 3	CD study initiated 24 FEB 2014
DTS 16975-2	Respiratory protective devices – Part 2: Guidance for selection, use and maintenance	TC 94/SC 15	CD study initiated 25 FEB 2014
CD 16975-3	Respiratory protective devices – Part 3: Selection, use and maintenance – Fit testing procedures	TC 94/SC 15	CD study initiated 26 FEB 2014
AWI 19906	Petroleum and natural gas industries -- Arctic offshore structures (<i>Revision of ISO 19906:2010</i>)	TC 67/SC 7	Project approved 26 FEB 2014
CD 7165	Fire fighting -- Portable fire extinguishers -- Performance and construction (<i>Revision of ISO 7165:2009</i>)	TC 21/SC 2	DIS registration approved 12 MAR 2014
CD 11601	Fire fighting -- Wheeled fire extinguishers -- Performance and construction (<i>Revision of ISO 11601:2008</i>)	TC 21/SC 2	DIS registration approved 12 MAR 2014
AWI 19641	Ships and Marine Technology -- Testing procedure for deck equipments of vessel intended for cold climate region	TC 8/SC 4	Project registered 13 MAR 2014
WD 16733-1	Fire safety engineering – Selection of design fire scenarios and design fires – Part 1: General	TC 92/SC 4	WD study initiated 19 MAR 2014
NP 19834	Ships and marine technology -- Conventional symbols to be used in the schemes for installations of piping, ventilation and sanitary systems	TC 8/SC 3	Project approved 19 MAR 2014
DTR 25901-1	Welding and allied processes – Vocabulary – Part 1: General terms	TC 44/SC 7	CD study initiated 19 MAR 2014
DIS 17940	Ships and marine technology – Hinged watertight doors	TC 8/SC 8	DIS registered 20 MAR 2014

The following standards have recently been circulated for comment, or are currently being balloted at the Draft International Standard (DIS) stage:

Standard No.	Document title	Committee	Action Date
DIS 13628-8	Petroleum and natural gas industries – Design and operation of subsea production systems – Part 8: Remotely operated tools and interfaces on subsea production systems (<i>Revision of ISO 13628-8:2002</i>)	TC 67/SC 4	Close of voting 13 APR 2011
DIS 23251	Petroleum, petrochemical and natural gas industries – Pressure-relieving and depressuring systems (<i>Revision of ISO 23251:2006</i>)	TC 67/SC 6	Close of voting 09 SEP 2011
DIS 10426-2	Petroleum and natural gas industries – Cements and materials for well cementing – Part 2: Testing of well cements (<i>Revision of: ISO 10426-2:2003; ISO 10426-2:2003/Amd 1:2005; ISO 10426-2:2003/Cor 1:2006</i>)	TC 67/SC 3	FDIS registration approved 08 NOV 2011
DIS 13628-14	Petroleum and natural gas industries – Design and operation of subsea production systems – Part 14: Subsea high integrity pressure protection systems (HIPPS)	TC 67/SC 4	Close of voting 15 MAR 2012
DIS 12736	Petroleum and natural gas industries – Wet thermal insulation coatings for pipelines, flow lines, equipment and subsea structures	TC 67/SC 2	Close of voting 19 MAY 2012
DIS 13628-6	Petroleum and natural gas industries – Design and operation of subsea production systems – Part 6: Subsea production control systems (<i>Revision of: ISO 13628-6:2006</i>)	TC 67/SC 4	Close of voting 14 JUN 2012
DIS 28300	Petroleum, petrochemical and natural gas industries – Venting of atmospheric and low-pressure storage tanks (<i>Revision of ISO 28300:2008, ISO 28300:2008/Cor 1:2009</i>)	TC 67/SC 6	Close of voting 24 JUN 2012
DIS 16707	Ships and marine technology – Marine evacuation systems – Determination of capacity of Marine Evacuation Systems (MES)	TC 8/SC 1	Close of voting 07 JAN 2013
DIS 11623	Gas cylinders – Composite construction – Periodic inspection and testing (<i>Revision of ISO 11623:2002</i>)	TC 58	Close of voting 13 MAR 2013
DTS 16901	Guidance on performing risk assessment in the design of onshore LNG installations including the ship/shore interface	TC 67	Close of voting 13 MAY 2013
DGuide 80	Guidance for in-house production of reference materials for quality control (QCMs)	REMCO	FDIS registration approved 14 JUN 2013
DIS 11612.2	Protective clothing – Clothing to protect against heat and flame – Minimum performance requirements (<i>Revision of ISO 11612:2008</i>)	TC 94	Close of voting 27 JUN 2013
DIS 14116.2	Protective clothing – Protection against heat and flame – Limited flame spread materials, material assemblies and clothing (<i>Revision of ISO 14116:2008, ISO 14116:2008/Cor 1:2009</i>)	TC 94	Close of voting 27 JUN 2013
DIS 19901-8	Petroleum and natural gas industries – Specific requirements for offshore structures – Part 8: Marine Soil Investigations (<i>with consideration of NORSOK G-001</i>)	TC 67/SC 7	Close of voting 23 AUG 2013
DIS 17945	Materials Resistant to Sulfide Stress Cracking in Corrosive Petroleum Refining Environments	TC 67	Close of voting 18 OCT 2013

Standard No.	Document title	Committee	Action Date
DIS 50015	Energy Management systems – Measurement and Verification of Organizational Energy Performance – General Principles and Guidance	TC 242	Close of voting 07 DEC 2013
DIS 50003	Energy management system audits and auditor competency	TC 242	Close of voting 09 DEC 2013
DIS 12482.2	Cranes – Monitoring for crane design life (Revision of ISO 12482-1:1995)	TC 96/SC 5	Close of voting 24 DEC 2013
DIS 20332	Cranes – Proof of competence of steel structures (Revision of ISO 20332:2008)	TC 96/SC 5	Close of voting 28 DEC 2013
DIS 11660-2	Cranes – Access, guards and restraints – Part 2: Mobile cranes (Revision of ISO 11660-2:1994)	TC 96/SC 6	Close of voting 11 JAN 2014
DIS 19901-1	Petroleum and natural gas industries – specific requirements for offshore structures – Part 1: Metocean design and operating considerations (Revision of ISO 19901-1:2005 with consideration of NORSOK N-002)	TC 67/SC 7	Close of voting 22 JAN 2014
DIS 16961	Petroleum, petrochemical and natural gas industries – Internal coating and lining of steel storage tanks	TC 67	Close of voting 22 JAN 2014
DIS 18215	Ships and marine technology – Vessel machinery operations in polar waters – Guidelines (Revision of ISO/DPAS 18215)	TC 8/SC 3	DIS registered 23 JAN 2013
DIS 14120	Safety of machinery – Guards – General requirements for the design and construction of fixed and movable guards (Revision of ISO 14120:2002)	TC 199	Close of voting 24 JAN 2014
DIS 15551-1	Petroleum and natural gas industries – Drilling and production equipment – Part 1: Electric submersible pump systems for artificial lift	TC 67	Close of voting 30 JAN 2013
DIS 17096	Cranes – Safety – Load lifting attachments	TC 96/SC 9	Close of voting 30 JAN 2014
DIS 11662-2	Cranes – Experimental determination of crane performance – Part 2: Structural competence under static loading	TC 96/SC 6	Close of voting 02 FEB 2014
DIS 13506-2	Protective clothing against heat and flame – Part 2: Skin burn injury prediction – Calculation requirements and test cases	TC 94/SC 13	Close of voting 08 FEB 2014
DIS 13850	Safety of machinery – Emergency stop – Principles for design (Revision of ISO 13850:2006)	TC 199	DIS registered 10 FEB 2014
DIS 16975-1	Respiratory protective devices -- Selection, use and maintenance -- Part 1: Establishing and implementing a respiratory protective device programme	TC 94/SC 15	DIS registered 14 FEB 2014
DIS 14046.2	Life cycle assessment – Water footprint – Requirements and guidelines	TC 207/SC 5	Close of voting 17 FEB 2014
DIS 16554	Ships and marine technology -- Measurement and reporting of underwater sound radiated from merchant ships -- Survey measurement in deep-water	TC 8/SC 2	DIS registered 18 FEB 2014
DIS 24817	Petroleum, petrochemical and natural gas industries - - Composite repairs for pipework -- Qualification and design, installation, testing and inspection (Revision of ISO TS 24817:2006)	TC 67/SC 6	DIS registered 26 FEB 2014
DIS 17941	Ships and marine technology – Hydraulic hinged watertight fireproof doors	TC 8/SC 8	Close of voting 26 FEB 2014

Standard No.	Document title	Committee	Action Date
DIS 13702	Petroleum and natural gas industries – Control and mitigation of fires and explosions on offshore production installations – Requirements and guidelines (<i>Revision of ISO 13702:1999</i>)	TC 67/SC 6	Close of voting 27 FEB 2014
DIS 2394	General principles on reliability for structures (<i>Revision of ISO 2394:1998</i>)	TC 98/SC 2	Close of voting 01 MAR 2014
DIS 19901-5	Petroleum and natural gas industries – Specific requirements for offshore structures – Part 5: Weight control during engineering and construction (<i>Revision of ISO 19901-5:2003</i>)	TC 67/SC 7	Close of voting 04 MAR 2014
DIS 18309	Ships and marine technology – Incinerator sizing and selection – Guidelines	TC 8/SC 3	FDIS registration approved 06 MAR 2014
DIS 6042	Ships and marine technology – Weathertight single-leaf steel doors (<i>Revision of ISO 6042:1998</i>)	TC 8/SC 8	DIS registered 18 MAR 2014
DIS 17939	Ships and marine technology – Oil-tank hatches	TC 8/SC 8	DIS registered 19 MAR 2014
DIS 22315	Societal security – Mass evacuation – Guidelines for planning	TC 223	FDIS registration approved 19 MAR 2014
DIS 19353	Safety of machinery -- Fire prevention and protection	TC 199	DIS registered 20 MAR 2014
DIS 16715.2	Cranes – Hand signals used with cranes	TC 96/SC5	Close of voting 28 MAR 2014
DIS 14122-1	Safety of machinery – Permanent means of access to machinery – Part 1: Choice of fixed means of access between two levels (<i>Revision of ISO 14122-1:2001</i>)	TC 199	Close of voting 29 MAR 2014
DIS 14122-2	Safety of machinery – Permanent means of access to machinery – Part 2: Working platforms and walkways (<i>Revision of ISO 14122-2:2001</i>)	TC 199	Close of voting 29 MAR 2014
DIS 50004	Energy management systems -- Guidance for the implementation, maintenance and improvement of an energy management system	TC 242	Close of voting 21 APR 2014
DIS 50006	Energy management systems – Measuring energy performance using energy baselines (EnB) and energy performance indicators (EnPI) – General principles and guidance	TC 242	Close of voting 21 APR 2014
DIS 19600	Compliance management systems -- Guidelines	PC 271	Close of voting 22 APR 2014
DIS 1996-1	Acoustics -- Description, measurement and assessment of environmental noise -- Part 1: Basic quantities and assessment procedures 2014-04-28 (<i>Revision of ISO 1996-1:2003</i>)	TC 43	Close of voting 28 APR 2014
DIS 17907	Ships and marine technology -- Single point mooring arrangements for tankers	TC 8/SC 4	Close of voting 02 MAY 2014
DIS 14122-3	Safety of machinery – Permanent means of access to machinery – Part 3: Stairs, stepladders and guard-rails (<i>Revision of ISO 14122-3:2001/Amd 1:2010</i>)	TC 199	Close of voting 12 MAY 2014
DIS 17743	Definition of a methodological framework applicable to calculation and reporting on energy savings	TC 257	Close of voting 12 MAY 2014

Standard No.	Document title	Committee	Action Date
DIS 14122-3	Safety of machinery – Permanent means of access to machinery – Part 3: Stairs, stepladders and guard-rails (<i>Revision of ISO 14122-3:2001</i>)	TC 199	Close of voting 13 MAY 2013
DGuide 33	Reference materials – Good practice in using reference materials	REMCO	Close of voting 22 MAY 2013
DIS 15016	Ships and marine technology — Guidelines for the assessment of speed and power performance by analysis of speed trial data	TC 8/SC 6	Close of voting 06 JUN 2014
DIS 17621	Workplace atmospheres – Short term detector tube measurement systems – Requirements and test methods	TC 146/SC 2	Close of voting 09 JUN 2014
DIS 18611-1	Ships and marine technology – Marine NOx reduction agent AUS 40 – Part 1: Quality requirements	TC 8/SC 2	Close of voting 13 JUN 2014
DIS 18611-2	Ships and marine technology – Marine NOx reduction agent AUS 40 – Part 2: Test methods	TC 8/SC 2	Close of voting 13 JUN 2014
DIS 18611-3	Ships and marine technology – Marine NOx reduction agent AUS 40 – Part 3: Handling, transportation and storage	TC 8/SC 2	Close of voting 13 JUN 2014
DIS 14122-4	Safety of machinery – Permanent means of access to machinery – Part 4: Fixed ladders (<i>Revision of ISO 14122-2:2004</i>)	TC 199	Close of voting 16 JUN 2014
DIS 3834-5	Quality requirements for fusion welding of metallic materials – Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4	TC 44	Close of voting 17 JUN 2013
DIS 14122-4	Safety of machinery – Permanent means of access to machinery – Part 4: Fixed ladders (<i>Revision of ISO 14122-4:2001</i>)	TC 199	Close of voting 17 JUN 2014
DIS 50006	Energy Baseline and Energy Performance Indicators (EnPIs) – General Principles and Guidance	TC 242	Close of voting 20 JUN 2014
DIS 19600	Compliance management systems – Guidelines	PC 271	Close of voting 21 JUN 2014
ISO/IEC DIS 17021-1	Conformity assessment – Requirements for bodies providing audit and certification of management systems	CASCO	Close of voting 05 JUL 2014
DIS 18289	Ships and marine technology -- Navigation and shallow-water engineering vessels -- Anchor winches	TC 8/SC 4	Close of voting 10 JUL 2014
DIS 18296	Ships and marine technology -- Ship-shifting winches	TC 8/SC 4	Close of voting 10 JUL 2014
DIS 29400	Ships and marine technology – Offshore wind energy – Ports and marine operations	TC 8	Close of voting 12 JUL 2014

The following standards are at the Final Draft International Standard (FDIS) stage:

Standard No.	Document title	Committee	Action Date
FDIS 13628-17	Petroleum, petrochemical and natural gas industries – Design and operation of subsea production systems – Part 17: Recommended practice for flexible pipe ancillary equipment	TC 67/SC 4	FDIS registered 15 NOV 2011

Standard No.	Document title	Committee	Action Date
FDIS 13679	Petroleum and natural gas industries – Procedures for testing casing and tubing connections (Revision of: ISO 13679:2002)	TC 67/SC 5	Referred back to SC 01 DEC 2011
FDIS 13628-16	Petroleum, petrochemical and natural gas industries – Design and operation of subsea production systems – Part 16: Specification for flexible pipe ancillary equipment	TC 67/SC 4	FDIS registered 22 DEC 2011
ISO 14532	Natural gas – Vocabulary (Revision of ISO 14532:2001)	TC 193	Pending publication 06 DEC 2013
FDIS 80079-36	Explosive atmospheres – Part 36: Non-electrical equipment for use in explosive atmospheres – Basic methods and requirements	TMB	FDIS registered 30 DEC 2013
FDIS 80079-37	Explosive atmospheres – Part 37: Non-electrical equipment for use in explosive atmospheres – Non-electrical type of protection constructional safety 'c', control of ignition sources 'b', liquid immersion 'k'	TMB	FDIS registered 30 DEC 2013
PRF TS 17969	Petroleum, petrochemical and natural gas industries – Guidelines on competency for personnel	TC 67	Referred back to SC 04 FEB 2014
FDIS 7240-28	Fire detection and alarm systems – Part 28: Fire protection control equipment (Revision of ISO 7240-28:2008)	TC 21	FDIS registered 24 FEB 2014
FDIS 22397	Societal security – Guidelines for establishing partnering arrangements	TC 223	FDIS registered 28 FEB 2014
FDIS 11200	Acoustics – Noise emitted by machinery and equipment – Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions (Revision of ISO 11200:1995, ISO 11200:1995/Cor 1:1997)	TC 43/SC 1	Close of voting 18 MAR 2014
PRF TS 14071	Environmental management -- Life cycle assessment -- Critical review processes and reviewer competencies: Additional requirements and guidelines to ISO 14044:2006	TC 207/SC 5	FDIS registered 18 MAR 2014
FDIS 17440	Cranes – General Design – Limit states and proof of competence of forged steel hooks	TC 96/SC 8	Close of voting 31 MAR 2014
FDIS 7240-1	Fire detection and alarm systems – Part 1: General and definitions Revision of ISO 7240-1:2005)	TC 21	Close of voting 13 APR 2014
FDIS 4126-6	Safety devices for protection against excessive pressure -- Part 6: Application, selection and installation of bursting disc safety devices (Revision of ISO 4126-6:2003)	TC 185	Close of voting 20 APR 2014
FDIS 50002	Energy Audits	TC 242	Close of voting 12 MAY 2014
FDIS 8728	Ships and marine technology – Marine gyro-compasses (Revision of ISO 8728:1997)	TC 8/SC 6	Close of voting 17 MAY 2014

The following standards have been finalized since the last edition of this report:

Standard No.	Document title	Committee	Date
ISO TS 16530-2	Well integrity – Part 2: Well integrity for the operational phase	TC 67/SC4	Pending publication 26 AUG 2013

Standard No.	Document title	Committee	Date
ISO 22398:2013	Societal security – Guidelines for exercises and testing	TC 223	13 SEP 2013
ISO 27001:2013	Information technology – Security techniques – Information security management systems – Requirements	JTC 1	25 SEP 2013
ISO 27002:2013	Information technology – Security techniques – Code of practice for information security controls	JTC 1	25 SEP 2013
ISO 14119:2013	Safety of machinery – Interlocking devices associated with guards – Principles for design and selection (Revision of ISO 14119:1998, ISO 14119:1998/ Amd 1:2007)	TC 199	25 SEP 2013
ISO/IEC TS 17021-4:2013	Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 4: Competence requirements for auditing and certification of event sustainability management	CASCO	30 SEP 2013
ISO TR 31004:2013	Risk management – Guidance for the implementation of ISO 31000	TC 262	11 OCT 2013
TR 12489:2013	Petroleum, petrochemical and natural gas industries – Reliability modelling and calculation of safety systems	TC 67	05 NOV 2013
ISO 11064-4:2013	Ergonomic design of control centres – Part 4: Layout and dimensions of workstations (Revision of ISO 11064-4:2004)	TC 159	11 NOV 2013
ISO 10462:2013	Gas cylinders – Acetylene cylinders – Periodic inspection and maintenance (Revision of ISO 10462:2005)	TC 58/SC 4	05 DEC 2013
ISO TR 16730-5:2013	Fire safety engineering -- Assessment, verification and validation of calculation methods -- Part 3: Example of an Egress model	TC 92/SC4	05 DEC 2013
ISO 19900:2013	Petroleum and natural gas industries – General requirements for offshore structures (Revision of ISO 19900:2002)	TC 67/SC 7	06 DEC 2013
ISO 16855:2013	Ships and Marine Technology – Loose gear of lifting appliances on ships – General requirements	TC 8/SC 4	09 DEC 2013
ISO 16856:2013	Ships and Marine Technology – Loose gear of lifting appliances on ships – Hooks	TC 8/SC 4	09 DEC 2013
ISO 16857:2013	Ships and Marine Technology – Loose gear of lifting appliances on ships – Shackles	TC 8/SC 4	09 DEC 2013
ISO 16858:2013	Ships and Marine Technology – Loose gear of lifting appliances on ships – Pulleys	TC 8/SC 4	09 DEC 2013
ISO 14554-1:2013	Quality requirements for welding – Resistance welding of metallic materials – Part 1: Comprehensive quality requirements	TC 44/SC 6	10 DEC 2013
ISO/TR 22100-2:2013	Safety of machinery -- Relationship with ISO 12100 -- Part 2: How ISO 12100 relates to ISO 13849-1	TC 199	11 DEC 2013
ISO/PAS 12835	Qualification of casing connections for thermal wells	TC 67/SC 5	12 DEC 2013
ISO 13847:2013	Petroleum and natural gas industries – Pipeline transportation systems – Welding of pipelines	TC 67/SC 2	12 DEC 2013

Standard No.	Document title	Committee	Date
ISO TR 16730-3:2013	Fire safety engineering -- Assessment, verification and validation of calculation methods -- Part 3: Example of a CFD model	TC 92/SC4	13 DEC 2013
ISO 27627	Petroleum and natural gas industries – Aluminium alloy drill pipe thread connection gauging	TC 67	Pending publication 17 DEC 2013
ISO 6182-1:2014	Fire protection – Automatic sprinkler systems – Part 1: Requirements and test methods for sprinklers (<i>Revision of ISO 6182-1:2004</i>)	TC 21/SC 5	06 JAN 2014
ISO/TS 20646:2013	Ergonomic procedures for the improvement of local muscular workloads	TC 159/SC 3	06 JAN 2014
ISO 55000:2014	Asset management – Overview, principles and terminology	TC 251	09 JAN 2014
ISO 55001:2014	Asset management – Management systems – Requirements	TC 251	09 JAN 2014
ISO 55002:2014	Asset management – Guidelines for the application of ISO 55001	TC 251	09 JAN 2014
ISO 11960:2014	Petroleum and natural gas industries – Steel pipes for use as casing or tubing for wells (<i>Revision of ISO 11960:2011</i>)	TC 67/SC 5	15 JAN 2014
ISO 17357-1:2014	Ships and marine technology – Part 1: High pressure floating pneumatic rubber fender	TC 8/SC 4	16 JAN 2014
ISO 17357-2:2014	Ships and marine technology – Part 2: Low pressure floating pneumatic rubber fender (<i>revision of ISO 17357-2:2002</i>)	TC 8/SC 4	16 JAN 2014
ISO 24409-2:2014	Ships and marine technology – Design, location, and use of shipboard signs for fire protection, life-saving appliances, and means of escape – Part 2: Catalogue	TC 8/SC 1	16 JAN 2014
ISO 24409-3:2014	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	TC 8/SC 1	16 JAN 2014
ISO 22559:2014	Safety requirements for lifts (elevators) -- Part 1: Global essential safety requirements (GESRs)	TC 178	02 FEB 2014
ISO 28004-2:2014	Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 -- Part 2: Guidelines for adopting ISO 28000 for use in medium and small seaport operations	TC 8	03 FEB 2014
ISO 28004-4:2014	Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 -- Part 4: Additional specific guidance on implementing ISO 28000 if compliance with ISO 28001 is a management objective	TC 8	03 FEB 2014
ISO/IEC TS 17021-5	Conformity assessment – Requirements for third party certification auditing of environmental management systems – Part 2: Competence requirements for auditing and certification of asset management systems	CASCO	Pending publication 04 FEB 2014
ISO 28004-3:2014	Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 3: Additional specific guidance for adopting ISO 28000 for use by medium and small businesses (other than marine ports)	TC 8	04 FEB 2014

Standard No.	Document title	Committee	Date
ISO 13354	Petroleum and natural gas industries – Shallow gas diverter equipment	TC 67/SC 4	Pending publication 10 FEB 2014
ISO 10245-2:2014	Cranes – Limiting and indicating devices – Part 2: Mobile cranes (Revision of ISO 10425-2:1994)	TC 96/SC 6	10 FEB 2014
ISO 18893	Mobile elevating work platforms – Safety principles, inspection, maintenance and operation (Revision of ISO 18893:2004)	TC 214	Pending publication 19 FEB 2014
ISO16841:2014	Steel wire ropes – Pulling eyes for rope installation – Types and minimum requirements	TC 105	21 FEB 2014
ISO Guide 82:2014	Guide for addressing sustainability in standards	TMB/WG SGDG	24 FEB 2014
ISO/IEC TS 17027:2014	Conformity assessment -- Vocabulary related to competence of persons used for certification of persons	CASCO	24 FEB 2014
ISO 18422:2014	Ships and marine technology - Inland navigation vessels – Plate with instructions for rescue, resuscitation and first aid for drowning persons	TC 8/SC 7	24 FEB 2014
ISO 22090-1:2014	Ships and marine technology – Transmitting heading devices (THDs) – Part 1: Gyro-compasses (Revision of ISO 22090-1;2002)	TC 8/SC 6	24 FEB 2014
ISO 22090-2:2014	Ships and marine technology – Transmitting heading devices (THDs) – Part 2: Geomagnetic principles (Revision of ISO 22090-2;2004)	TC 8/SC 6	24 FEB 2014
ISO 22090-3:2014	Ships and marine technology – Transmitting heading devices (THDs) – Part 3: GNSS principles (Revision of ISO 22090-3;2004)	TC 8/SC 6	24 FEB 2014
ISO 17602	Ships and marine technology – Metal valves for use in flanged pipe – Face to face and centre to face dimensions	TC 8/SC 3	Pending publication 26 FEB 2014
ISO 13085:2014	Petroleum and natural gas industries – Aluminium alloy pipe for use as tubing for wells	TC 67	11 MAR 2014
ISO 13503-6:2014	Petroleum and natural gas industries – Completion fluids and materials – Part 6: Procedure for measuring leakoff of completion fluids under dynamic conditions	TC 67/SC 3	12 MAR 2014
ISO 16145-5	Ships and marine technology – Protective coatings and inspection method – Part 5: Assessment method for coating damages	TC 8/SC 8	Pending publication 18 MAR 2014
ISO 19292: 2014	Ships and marine technology – Point-type resettable flame detectors for ships	TC 8/SC 1	18 MAR 2014
ISO TR 12295:2014	Ergonomics – Application document for ISO standards on manual handling (ISO 11228-1, ISO 11228-2 and ISO 11228-3) and working postures	TC 159/SC 3	20 MAR 2014
ISO 20346	Personal protective equipment – Protective footwear (Revision of ISO 20346:2004, ISO 20346:2004/Cor 1:2005, ISO 20346:2004/Amd 1:2007, ISO 20346:2004/Cor 2:2006)	TC 94/SC 3	Pending publication 21 MAR 2014
ISO/IEC Guide 51:2014	Safety aspects – Guidelines for their inclusion in standards (Revision of ISO/IEC Guide 51:1999)	COPOLCO	25 MAR 2014

American Petroleum Institute (API) (as of 22 March 2014)

The following were recently issued:

Standard No.	Document title	Date
API RP 4G Errata	Errata for Recommended Practice for Operation, Inspection, Maintenance, and Repair of Drilling and Well Servicing Structures, 4 th Edition	SEP 2013
API Std 20D	Nondestructive Examination Services for Equipment Used in the Petroleum and Natural Gas Industry, First Edition	SEP 2013
API Std 623	Steel Globe Valves-Flanged and Butt-welding Ends, Bolted Bonnets, First Edition	SEP 2013
API Std 1104	Welding of Pipelines and Related Facilities, Twenty-first Edition	SEP 2013
API Std 1160	Managing System Integrity for Hazardous Liquid Pipelines, Second Edition	SEP 2013
API RP 573	Inspection of Fired Boilers and Heaters, Third Edition	OCT 2013
API RP 557	Guide to Advanced Control Systems, Second Edition	OCT 2013
API Spec 20A Addendum 1	Carbon Steel, Alloy Steel, Stainless Steel, and Nickel Base Alloy Castings for Use in the Petroleum and Natural Gas Industry, First Edition	OCT 2013
API Std 620	Design and Construction of Large, Welded, Low-Pressure Storage Tanks, Twelfth Edition	OCT 2013
API Spec 6A Errata 5	Errata 5 to Specification for Wellhead and Christmas Tree Equipment, Twentieth Edition (ISO 10423:2009 Modification)	NOV 2013
API Bul 97	Well Construction Interface Document Guidelines, First Edition	NOV 2013
API Std 653 Addendum 3	Tank Inspection, Repair, Alteration, and Reconstruction, Fourth Edition	NOV 2013
API Spec 11E	Specification for Pumping Units, Nineteenth Edition	NOV 2013
API RP 11G	Recommended Practice for Installation, Maintenance, and Lubrication of Pumping Units, Fifth Edition	NOV 2013
API RP 577	Welding Inspection and Metallurgy, Second Edition	DEC 2013
API TR 5TP	Torque-Position Assembly Guidelines for API Casing and Tubing Connections, First Edition	DEC 2013
API RP 11AR (R2008) Errata	Recommended Practice for Care and Use of Subsurface Pumps	DEC 2013
API Spec 20B Errata	Open Die Shaped Forgings for Use in the Petroleum and Natural Gas Industry, First Edition	DEC 2013
API RP 500 Errata	Errata for Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Division I and Division 2, Third Edition	JAN 2014
API RP 17H Errata	Errata for Recommended Practice for Remotely Operated Vehicle (ROV) Interfaces on Subsea Production Systems, Second Edition	JAN 2014
API Std 521	Pressure-relieving and Depressuring Systems, Sixth Edition	JAN 2014
API RP 932-B Errata	Design, Materials, Fabrication, Operation, and Inspection Guidelines for Corrosion Control in Hydroprocessing Reactor Effluent Air Cooler (REAC) Systems, Second Edition	JAN 2014
API RP 1161	Recommended Practice for Pipeline Operator Qualification (OQ), Third Edition	JAN 2014
API RP 591	Process Valve Qualification Procedure, Fifth Edition	FEB 2014

Standard No.	Document title	Date
API Spec Q1, Errata	Errata to Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry, Ninth Edition	FEB 2014
API RP 7HU1 Errata	Safe Use of 2-inch Hammer Unions for Oilfield Applications, First Edition	FEB 2014
API Std 624	Type Testing of Rising Stem Valves Equipped with Graphite Packing for Fugitive Emissions, First Edition	FEB 2014
API Std 6AV2	Installation, Maintenance, and Repair of Surface Safety Valves and Underwater Safety Valves Offshore, First Edition,	MAR 2014
API Std 6X	Design Calculations for Pressure-containing Equipment, First Edition	MAR 2014
API Std 664	Spiral Plate Heat Exchangers, First Edition	MAR 2014
API Std 2000	Venting Atmospheric and Low-pressure Storage Tanks, Seventh Edition	MAR 2014