



The Programs and Presentations of the 4th ASEF

The programs and presentations of the 4th Asian Shipbuilding Experts' Forum, held on November 17th (Wed) and 18th (Thu) in Kyoto (Kyoto International Conference Center), are as follows.

The coordinator for the forum was Mr. Hiroshi Iwamoto of The Shipbuilders' Association of Japan.

November 17th (Wed) AM: Forum Day 1

To mark the opening of the 4th ASEF, Mr. Takayuki Mabuchi, the chairman of Japan Ship Technology Research Association and Mr. Kimio Kiriakie, the managing director of The Shipbuilders' Association of Japan, delivered welcome address. Following the welcome speech, Mr. Noboru Ueda, the chairman of IACS Council and the chairman and president of Nippon Kaiji Kyokai (Class NK) introduced the basic action policy of IACS and expressed his expectations toward ASEF, as a body formed of Asian shipbuilding experts, for its role in formulation of balanced regulations for maritime field.



Mr. Takayuki Mabuchi
(Chairman, Japan Ship Technology Research Association)



Mr. Kimio Kiriakie
**(Managing Director, The Shipbuilders'
Association of Japan)**



Mr. Noboru Ueda
**(Chairman, IACS council,
Chairman and President, Nippon Kaiji Kyokai)**

Plenary Program 1: Protection against noise on board ship

1. Mandatory control of noise on board ships

Speaker: Mr. O Kitamura (Mitsubishi Heavy Industries, Ltd., Japan)

2. China shipbuilding and new request of protection against noise on board ships

Speaker: Mr. Sun Yudong (China Ship Scientific Research Center, China)

Outline of the discussion

The speakers made reference to the progress of the discussions on the tightening and mandating of “IMO Resolution A.468 (XII), Code on Noise Levels on Board Ships” (non-mandatory standard) proposed by European countries and pointed the tightening of the regulation across the board regardless of the ship type and size as one of the issues in the proposal. As a result of discussion, it was mutually understood that technical examination is essential for review of onboard noise level limits.



Mr. Sun Yudong
(China Ship Scientific Research Center, China)

Plenary Program 2: Testing of watertight compartments

Testing of tanks and tight boundaries

Speaker: Mr. O Kitamura (Mitsubishi Heavy Industries, Ltd., Japan)

Outline of the discussion

According to SOLAS II-1, which entered into force on January 1st, 2009, hydrostatic testing is required for all the watertight compartments including those areas not intended to contain liquids. This is imposing adverse impacts on piping, wiring and coating. Classification societies have taken realistic, practical actions on this matter, however, European Maritime Safety Agency (EMSA) pointed to this practice as violation of the convention. To resolve the current situation, Cook Islands, Republic of the Marshall Islands and IACS proposed a revision to SOLAS convention and introduction of a new guideline in MSC86, and discussions are to be held in DE sub-committee within several years.

As a result of discussion, mutual understandings on existing issues regarding watertight compartments were gained.



Mr. O Kitamura
(Mitsubishi Heavy Industries, Ltd., Japan)

Plenary Program 3: Environmental FSA (Formal safety assessment) for oil tankers

Environmental FSA for oil tanker

Speaker: Mr. Yasuhira Yamada (National Maritime Research Institute, Japan)

Outline of the discussion

Mr. Yamada provided explanations on concerns over excessive regulations imposed by CATS (Cost of averting one tonne of oil spilled), which is the index used for evaluating cost effectiveness of making new requirements for the protection of marine environment based on risk analysis, proposed under the leadership of Northern European countries, as it may impose impacts over the design of ship hull structure. Further, a volume-dependent CATS, which was generated based on the oil spill data of International Oil Pollution Compensation Fund (IOPCF), was introduced, allowing the participants to share common awareness of the issue.



Mr. Yasuhira Yamada
(National Maritime Research Institute, Japan)

November 17th (Wed) PM: Session 1

The coordinator for Session 1 was Mr. Hiroshi Iwamoto of The Shipbuilders' Association of Japan, who also acted as the coordinator for the plenary.



Session 1

Session 1 Program 1: Standardization of inventory of hazardous materials (IHM) for newly built ships

1. IHM Preparation for new building ships
Speaker: Mr. Muneharu Toyota (IHI Marine United Inc., Japan)
2. The role of Hong Kong convention at ship recycling framework and the Japan's actions for implementation of the convention
Speaker: Mr. Hirofumi Takano (Nippon Kaiji Kyokai (Class NK), Japan)
3. Inventory of hazardous materials for new ships
Speaker: Ms. Guan Yinghua (Dalian Shipbuilding Industry Co. Limited, China)

Outline of the discussion

Action status for development of IHM in each country, and the issues stemmed from the varying interpretations were presented, and discussions were held on this matter. Demonstration of Nippon Kaiji Kyokai's IHM developing software, "PrimeShip-Inventory" was performed, drawing the attention of the participants. As a result, it was acknowledged that common manual and format for developing IHM are necessary, and it was decided that a correspondence group (CG) be established for deliberation into detail. The Shipbuilders' Association of Japan is to take on the coordinator role of the CG.



**Mr. Muneharu Toyota
(IHI Marine United Inc., Japan)**



**Mr. Hirofumi Takano
(Nippon Kaiji Kyokai (Class NK), Japan)**



**Ms. Guan Yinghua
(Dalian Shipbuilding Industry Co. Limited, China)**

Session 1 Program 2: PSPC (Performance standards for protective coatings) for ballast water tank

1. Useful and reliable Technology for PSPC – Automated soluble salt measurement and further challenges beyond
Speaker: Mr. Hideo Obata (Namura Shipbuilding Co., Ltd., Japan)
2. Product tanker shipbuilding according to PSPC
Speaker: Mrs. Luo Yun (Guangzhou Shipyard International Company Limited, China)
3. Uniform application of PSPC
Speaker: Mr. Seo Sang Soo (Hyundai Heavy Ind. Co., Ltd. Korea)

Outline of the discussion

Alternative methods for soluble salt measurement at the time of surface treatment, increased cost and process caused from application of PSPC to tankers, practical issues relating to engineering at site, and formulation status of PSPC guideline at ISO were introduced, and discussions on these matters were conducted. As a result, it was agreed that Communication Group be established for discussions with an aim to develop solutions to the shortcomings of PSPC for the future revision.



**Mr. Hideo Obata
(Namura Shipbuilding Co., Ltd., Japan)**



**Mrs. Luo Yun
(Guangzhou Shipyard International Company Limited, China)**



**Mr. Seo Sang Soo
(Hyundai Heavy Ind. Co., Ltd. Korea)**

November 17th (Wed) PM: Session 2

The coordinator for Session 2 was Mr. Jong Kap Lee (Korea Ocean Research & Development Institute).



Session 2

Session 2 Program 1: GBS (Goal-based ship construction standards)

– Design transparency and intellectual property protection

1. GBS-SCF (Ship construction file)
Speaker: Mr. Y. Takaoka (Kawasaki Heavy Industries, Ltd, Japan)
2. Harmonized structural rules and ship construction files (SCF part)
Speaker: Mr. Lu Sheng (Shanghai Merchant Ship Design & Research Institute, CSSC, China)

Outline of the discussion

The speakers introduced that the inter-industry joint proposal regarding ship construction file (SCF) guidelines by the shipbuilders' associations of Japan, China, Korea, Europe and USA, was received with strong support and was adopted with little modification at MSC87, and that they are currently working on formulation of the detailed industry standards at the Tripartite 2010 meeting in Tokyo in cooperation with the major bodies representing shipbuilding industry and IACS.

As a result, the issues in the course of the work and the coordination status in the industry were acknowledged.



**Mr. Y. Takaoka
(Kawasaki Heavy Industries, Ltd, Japan)**

Session 2 Program 2: GBS – H(C)SR (Harmonized common structural rules)

1. Views on IACS harmonized CSR from the shipbuilding industry
Speaker: Mr. Kohta Shibasaki (Universal Shipbuilding Corporation, Japan)
2. Harmonized structural rules and ship construction files (HCSR part)
Speaker: Mr. Lu Sheng (Shanghai Merchant Ship Design & Research Institute, CSSC, China)



Mr. Lu Sheng
(Shanghai Merchant Ship Design & Research Institute, CSSC, China)



Mr. Kohta Shibasaki
(Universal Shipbuilding Corporation, Japan)

Outline of the discussion

The speakers reported the developments of GBS and HCSR at IMO as follows: GBS were adopted in May 2010 at IMO. IACS plans to develop and present the first draft of H(C)SR, which conforms fully to GBS, to the industry (shipbuilders and shipping companies) in early 2012 for their review. After taking their feedback into account, IACS plans to adopt the revised draft H(C)SR, with which they will apply to IMO for verification of conformity to the GBS at the end of December 2013, as decided at MSC87. As a result, it was concluded that it is apparently desirable for Asian shipbuilding industry, the main manufacturer of bulk carriers and tankers, to make concerted actions to express their opinions, considering H(C)SR contain new design rules in wide technical fields which should cover all functional requirements of GBS. Given the above argument, it was acknowledged that it is necessary for Asian shipbuilding industry to work together in order to incorporate their comments into the first draft proposed by IACS.

November 18th (Thu): Forum Day 2

Plenary Program 4: India and Indonesia's regulation in compliance with international regulations

1. Indonesia's regulation in compliance with international regulations
STAR 50 : A Technical evolution process of handy size bulk carrier
Speaker: DR. IR. Marx Jefferson (PT. PAL, Indonesia)

Outline of the discussion

Introduction was made on the latest bulk carrier, STAR 50 series, being built in Indonesia and their compliance status to the IMO related rules.



**DR. IR. Marx Jefferson
(PT. PAL, Indonesia)**

Plenary Program 5: Report of organized sessions

1. Report of Session 1
Speaker: Mr. Hiroshi Iwamoto
2. Report of Session 2
Speaker: Mr. Jong Kap Lee (Korea Ocean Research & Development Institute)

Outline of the discussion

Mr. Iwamoto reported the outcome of the discussion in Session 1. Regarding ship recycling, they came to an agreement that common manual and format for development of inventory are necessary, and that Correspondence Group (CG) be established for the detailed discussion. As for PSPC for ballast water tank, an agreement was reached on the establishment of Communication Group with an aim to develop solutions to the shortcomings of PSPC for the future revision.

Mr. Jong Kap Lee gave a briefing on the outcome of the discussion in Session 2, and reported that it was acknowledged by the participants that inter-industry coordination is underway for GBS – Design transparency and intellectual property protection, and that it is necessary for Asian shipbuilding industry to work in cooperation for detailed discussion to counteract the first draft proposed by IACS for GBS – Harmonized common structural rules.



**Mr. Jong Kap Lee
(Korea Ocean Research & Development Institute)**

Plenary Program 6: Toward an NGO granted consultative status with IMO

1. Act 1; Introduction to NGO

Speaker: Mr. O Kitamura (Mitsubishi Heavy Industries, Ltd., Japan)

2. Act 2; Introduction to NGO

Speaker: Mr. Nobuyuki Tanaka (Japan Ship Technology Research Association, Japan)

Outline of the discussion

The privileges and responsibilities of NGO and other existing NGOs representing shipbuilding industry, such as CESA were introduced. Studies on NGO matters will be continued until the next forum at the newly established WG/CN. The members of the WG/CN are Japan, Korea, China and other ASEF member countries interested in this subject.



**Mr. Nobuyuki Tanaka
(Japan Ship Technology
Research Association, Japan)**

Plenary Program 7: Conclusion and follow-up actions

Coordinator: Mr. Hiroshi Iwamoto (The Shipbuilders' Association of Japan)



Korea expressed its intention to host the next (5th) ASEF, and it was decided that the next ASEF annual conference be held in Korea in 2011.

**Mr. Sa-Joon Kang
The Korea Shipbuilders' Association
(KOSHIPA)**

Mr. Iwamoto made a summarization of this year's form as follows.

Through this year's forum, common understandings were gained on various issues that exert impacts on Asian shipbuilding industry. Another achievement of this year's forum was construction of new frameworks for deliberation into specifics, including establishment of WG/CN (for study) for resolving issues. Further activation of ASEF activity is expected through activities of WG/CN, in addition to annual forum.



**Mr. Hiroshi Iwamoto
(The Shipbuilders' Association of Japan)**

As the closing of the forum, Mr. Naoteru Tsuda, the president of Japan Ship Technology Research Association, delivered a closing address, referring to the modifications implemented in this year's forum – introduction of smaller session groups to facilitate in-depth discussions on specific themes, in addition to the regular plenary assembly – and the outcomes of these efforts, establishment of WG/CWG for NGO and ship recycling and Communication Group for PSPC, which are expected to accelerate the discussions on these themes, leading to the early realization of ASEF's targets.

He also expressed the determinations of The Shipbuilders' Association of Japan and Japan Ship Technology Research Association for their continued commitments to ASEF activity in order to attain the objectives, as well as appreciation towards the co-hosts, The Korea Shipbuilders' Association and China Association of the National Shipbuilding Industry, the participants, and Nippon Foundation, which supports ASEF activity.



Mr. Naoteru Tsuda
(President, Japan Ship Technology Research Association)

◆ Other

In the evening of November 17th, Day 1 of the 4th ASEF, the Japanese organizers hosted a welcome dinner party, and Mr. Takao Motoyama, the chairman of The Shipbuilders' Association of Japan, delivered an address of welcome.



Mr. Takao Motoyama
(Chairman, The Shipbuilders' Association of Japan)