

Introduction of Recent Technical Activities in ASEF

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Accredited Representative (Technical) of ASEF

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Introduction of ASEF ¹



ASEF (Active Shipbuilding Experts' Federation)

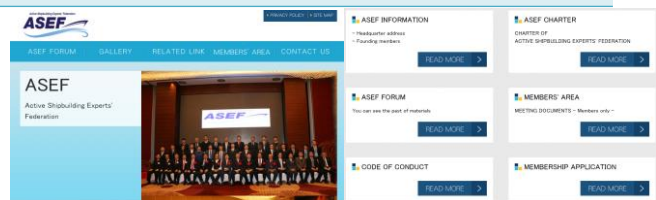
Established: November, 2015

Activities: Technical contributions for sound development of international maritime transportation and further enhancement of the world maritime safety, marine environment protection and maritime security

Members: 10 global members, in building more than 90% of merchant ships

IMO NGO: Since December, 2017

ASEF Website for documents:
<https://asef2015.com/>



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Introduction of ASEF ²



ASEF has the following functions which lead to smooth, sound and sustainable development of the shipbuilding industry:

- To exchange views and opinions among members on **technical matters** on shipbuilding including technical agenda in IMO and ISO;
- To develop relationship with other international organizations through **promoting awareness** to the relevant international organizations of issues handled by the shipbuilding industry;
- To **contribute and offer opinions** to external bodies including IMO and ISO on their technical agenda;
- and
- To hold the **ASEF Forum**.

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ASEF Membership



ASEF is composed of **10** members. (council members shown in red - maximum number of council members is 5)

- **China Association of the National Shipbuilding Industry**
- Colombo Dockyard PLC (Sri Lanka)
- Shipyards Association of India
- Indonesia Shipbuilding and Offshore Industry Association
- **The Shipbuilders' Association of Japan**
- **Korea Offshore & Shipbuilding Association**
- Association of Marine Industries of Malaysia
- **Turkish Shipbuilders' Association**
- Thai Shipbuilding and Repairing Association
- Shipbuilding Industry Corporation (Vietnam)

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ASEF Organization

ASEF Officer (Current ~ 10/2020)

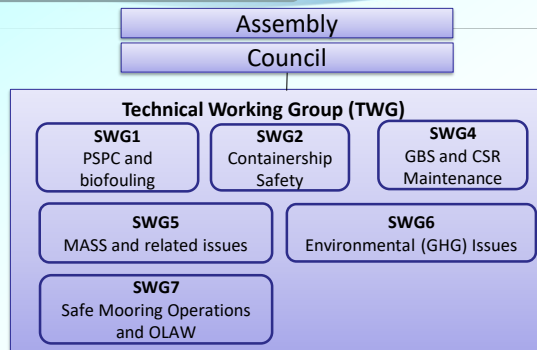
Chair Tamotsu SAITOH (SAJ)
Vice-Chair Byeong-Cheol LEE (KOSHIPA)
Vice-Chair Minjun CHEN (CANSI)

Council member
 Dave (Hiroshi) IWAMOTO (SAJ)
 Soek-joo CHUNG(KOSHIPA)
 Peng JIN (CANSI)
 Aydin ALAFTAN(GISBIR)

Secretary General
 Noriaki USUI (SAJ)

ART (Accredited Representative Technical)
 Naoki UEDA (SAJ)
 Jong-Kap LEE (KOSHIPA)
 Jiameng WU (CANSI)

ASEF Organization Chart



ASEF Headquarters (Current ~ 10/2020)

Address: The Shipbuilders' Association of Japan (SAJ)
 15-12 Toranomom 1-Chome, Minato-ku,
 Tokyo 105-0001, Japan
TEL: +81-3-3580-1566
E-mail: asef-secretariat@asef2015.com
Website: <http://www.asef2015.com>

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Cooperation with Key NGOs¹

A-3 Experts Meeting & A-3 Executive Meeting (ACS+ASA+ASEF)

Technical exchanges on topics of common interest between shipowners, shipbuilders and class with focus on global issues but also on Asian specific issues.

ASEF will consider bringing those topics to the attention to IMO and other effective platforms.

ISO Liaison relationship with ISO/TC8 (Ship and Marine Technology)

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

CESA/SEA Europe – regular meetings and exchanges

Exchanges planned twice a year to promote collaboration on common technical issues for IMO meetings and other meetings

NACE International – regular meetings and exchanges

ASEF and NACE signed a Global Partner Agreement on Nov. 2017.

Exchanges planned twice a year to promote collaboration on coating issues for IMO meetings and other meetings, i.e. PSPC and Biofouling.

Tripartite Forum – regular meetings and exchanges

Exchanges planned twice a year to promote collaboration on common technical issues for IMO meetings and other meetings.

(ASEF, IACS, INTERTANKO, ICS, INTERCARGO, BIMCO, OCIMF, SEA Europe)

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Cooperation with Key NGOs²



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Status at IMO



- December 2017, ASEF was granted the consultative status with the IMO.
- During the past one and a half year, ASEF attended the following IMO meetings and submitted one paper.
 - Assembly: A30 and Council: C120 & C122
 - Marine Environment Protection Committee: MEPC 72, 73 & 74
 - Maritime Safety Committee: MSC 99, 100 & 101
 - Sub-Committee on Ship Design & Construction: SDC 5 & 6
 - Sub-Committee on Ship Systems and Equipment: SSE 5 & 6
 - Sub-Committee on Pollution Prevention & Response: PPR 5
- Based on the above achievement, the IMO Council granted ASEF 2-year extension of consultative status subject to approval of Assembly A31 in Dec. 2019.



Technical Activities



ASEF currently has 3 Accredited Representatives (Technical), ART, to handle and reflect technical opinions to IMO, ISO and IACS.

There are 6 Sub-Working Groups (SWG), with 67 experts from ASEF member countries, under the leadership of ASEF **Technical Working Group (TWG)**;

- ✓ SWG1 (PSPC & Biofouling)
- ✓ SWG2 (Containership safety)
- ✓ SWG4 (GBS and CSR Maintenance)
- ✓ SWG5 (MASS and Cyber Resilience)
- ✓ SWG6 (GHG Reduction)
- ✓ SWG7 (Safe Mooring Operations and OLAW)

SWG3 (Ship Vibration) accomplished its task

SWG1: PSPC and biofouling

Recent Activities & Working Plan of SWG1;

1. Update of IMO PSPC [original]

Exchange of information and views on the update of IMO PSPC is to be promoted by ASEF through the cross industry cooperative activities.

SWG1 will further study the following topics;

- Identification of premature painting defects discovered,
- New Requirement of PSPC in void space.



2. Biofouling Management [added]

Exchange of information and views on “The review of 2011 Biofouling guidelines” which is planned to take place from 2020 (IMO PPR7) to identify the need for mandatory instrument in the future, through the cross industry cooperative activities as shown below;

- Connection between ASEF SWG1 & NACE TEG 532X,
- Joint work between ASEF, INTERTANKO and NACE.



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SWG2: Containership Safety

1. Key principles of SWG2 is;

Exchange of information and views on

- IACS UR S11A “Longitudinal Strength Standard for Container Ships”,
- UR S34 “Functional Requirements of Load Cases for Strength Assessments of Container Ships by Finite Element Analysis”

and Class Rules under development, and clarification of Technical Background (TB) and/or rule change of IACS and/or relevant Classification Societies are to be requested by ASEF as appropriate, with a view to minimizing Shipbuilders’ risks, and further develop discussions.

2. **No activities since IACS work has not progressed in this past period.**
3. **SWG2 continues to monitor the work progressed of IACS.**

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SWG4: GBS and CSR Maintenance

● Recent Activities of SWG4:

- Attended the MSC100 and 101 which was held on Dec. 2018 and May. 2019 in London, and corresponded about GBS issue.
- 3 experts from ASEF attended the 2nd IACS EAG(External Advisory Group) meeting which was held on Jan. 2019 at ICS office in London.
- SWG4 members reviewed the CSR RCP2019 and commented shipbuilder's views to IACS.

● Working Plan of SWG4;

- SWG4 continues to monitor/review the CSR RCP, and express ASEF comments to IACS if deemed necessary.
- As IACS has promised ASEF to review/reconsider ASEF's feedback on the unreasonably expanded application of full penetration welding stipulated in CSR BC&OT, ASEF would like to make this issue forward as a future task of SWG4.

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SWG5: MASS and related issues

Recent Activities & Working Plan of SWG5;

● MASS (SWG5-2)

- Attended the MSC100 and 101 which was held on Dec. 2018 and May. 2019 in London,
- Join "IMO MASS Regulatory Scoping Exercise" and expressed ASEF's views, our expert attended ISWG on MASS which was held on Sept. 2019.
- ASEF SWG5-2 will continue to express shipbuilder's view to IMO.

● Cyber Security (SWG5-1)

- At Tripartite meeting on Oct. 2018, our expert expressed our views regarding the definition of roles for each stakeholder in building cyber resilient ships.
- Our experts attended the JWG on Cyber Systems held on Jan., Jun. & Sept. 2019 at London, and expressed our views.
- Our experts will monitor & review IACS' works on consolidation of 12 IACS recommendations and express our views.

● Smart Shipping (SWG5-3)

- Monitor the discussion about Smart Shipping by ISO/TC8.

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SWG6: Environmental (GHG) Issues ¹

High level Terms of Reference (ToR) for SWG6;

SWG6 is instructed, taking into account the GHG issues being raised at IMO and other relevant organizations to;

1. Monitor and identify the emerging issues relevant to 'Reduction of GHG emissions from ships',
2. Analyze expected impacts of the issues on ship design and construction with performance, cost, and delivery,
3. Prepare ASEF's views and proposals to the relevant external organizations /events, in a timely manner, especially for:
 - the development of IMO Strategy on reduction of GHG emissions from ships and implementation roadmap,
 - the development of candidate measures.

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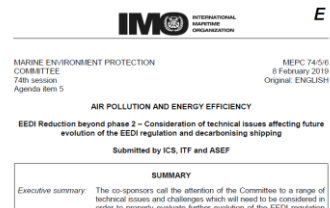
SWG6: Environmental (GHG) Issues ²

● Recent activities done by SWG6

- Cosponsor paper regarding for MEPC74 (MEPC74/5/6)
- Our experts attended MEPC74 for introduction of the cosponsored paper (but we could not because of time constraints.)
- Join the IMO CG on EEDI

● Future Work Plan of SWG6 ;

- Prepare and submit another ASEF paper for MEPC75, if necessary
- Presentation of the cosponsored paper at MEPC75
- Identify common interests
- Prepare our view and proposals especially for;
 - ✓Development of IMO Strategy
 - ✓Development of candidate measures



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SWG7: Safe Mooring Operations and OLAW

● Safe Mooring Operations

Latest Status;

- Discussion in IMO to introduce the concept of “Human Centred Design (HCD)” has been closed in SDC6 in Feb.2019.
- The draft SOLAS amendments and associated Guidelines will be finally adopted at MSC102 in May 2020.

● OLAW(Onboard Lifting Appliances & Anchor Handling Winches)

Latest Status;

- Draft SOLAS amendment has been agreed at SSE6 in March which covers less lifting appliances with a SWL of less than 1,000kg
- Discussion on the issue of threshold limit for lifting appliance has not settled yet
- Draft Guidelines for the safety of OLAW to be developed by CG and discussed at SSE 7 in March 2020

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Objectives



- ✓ **Seek collaboration** with various stakeholders and contribute to providing practical solutions.
- ✓ **Engage in wide technology grasp** with various shipbuilding industry partners as well as other related industries through promoting relations.
- ✓ Proactively **address issues** which reflects developments of shipbuilding related technologies, with due respect on safety, environmental protection as well as practicality and economy.
- ✓ **Realize shipbuilders' role** in the long run, and
- ✓ **Develop plans** to adapt to changes that may come up as challenges.

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Thank you for your attention