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Circular Letter No.4706/Add.1
3 May 2023

To: IMO Member States and other Governments
United Nations and specialized agencies
Intergovernmental organizations
Non-governmental organizations in consultative status

Subject: **Joint IMO/Republic of Korea Symposium "Making headway on the
IMO MASS Code" – Provisional programme (30 May 2023)**

Further to Circular Letter No.4706, in particular paragraph 4 thereof, delegates who wish to attend the forthcoming IMO/Republic of Korea Symposium "Making headway on the IMO MASS Code" are invited to note the provisional programme set out in the annex. The Symposium is scheduled to take place on **Tuesday, 30 May 2023** (prior to MSC 107) in hybrid mode at IMO Headquarters, 4 Albert Embankment, London SE1 7SR.

ANNEX
PROVISIONAL PROGRAMME
SYMPOSIUM "MAKING HEADWAY ON THE IMO MASS CODE"

| Time | Themes | Speakers | |
|--|--------|---|--|
| <Opening> | | | |
| 09:30~09:35 | 5' | Opening remarks | IMO Secretary-General |
| 09:35~09:40 | 5' | Congratulatory remarks | Ambassador of the Republic of Korea to the United Kingdom |
| <Session 1> | | | |
| Technology: Development of MASS, Preparations for new era | | | |
| (Moderator: Mr. Charles McHardy, MSC MASS CG Chair) | | | |
| 09:40~10:00 | 20' | Development of advanced intelligent navigation system for MASS and systematic verification process for developing highly reliable system | Korea Research Institute of Ships and Ocean Engineering Dongjin Yeo |
| 10:00~10:20 | 20' | United Kingdom developments on Maritime Autonomous Surface Ships: research, legislation and industry projects | UK Maritime & Coastguard Agency Katrina Kemp |
| 10:20~10:40 | 20' | Status and future plans for condition-based maintenance (CBM) technology development for ship's engine system | Korean Register Jaecheul Park |
| 10:40~11:00 | 20' | Application priorities and technology challenges in Norway's R&D on autonomous ships | Norwegian Forum for Autonomous Ships Ørnulf Jan Rødseth |
| 11:00~11:30 | 30' | Coffee break | Sponsored by the Republic of Korea |
| 11:30~11:50 | 20' | Establishment of testbed for verification and validation of new technologies | Korea Research Institute of Ships and Ocean Engineering Geuntae Yim |
| 11:50~12:10 | 20' | Q&A session <ul style="list-style-type: none"> • Why technology is important for MASS? • How technology can be applied to mitigate risks posed to conventional ships? | Moderator and presenters |

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| 12:10~14:00 | 110' | Lunch break | - |
| <Session 2> | | | |
| Industry: Proposal for development of MASS Code and commercialization of autonomous operation technology | | | |
| (Moderator: Dr. Han-seon Park, Director, Korea Maritime Institute) | | | |
| 14:00~14:20 | 20' | Lessons learned from simulation and actual sea trials of autonomous navigation system and suggestion for general methodology | Samsung Heavy Industries Sungjoon Kim |
| 14:20~14:40 | 20' | Key principles of technology solutions for remote and autonomous shipping | One Sea Association Marko Rahikainen |
| 14:40~15:00 | 20' | Suggestion for the development of MASS Code in light of the impact of the current stature of the autonomous navigation systems in the market | HD Hyundai Dohyeong Lim and Hyogyeeong Joo |
| 15:00~15:20 | 20' | AUTOSHIP – Autonomous Shipping Initiative for European Waters | SINTEF Ocean Lars Andreas Lien Wennergberg & CiaoTech Marco Molica Colella |
| 15:20~15:40 | 20' | From technology to reality: the implications of commercializing recognition technology considering MASS Code's situational awareness requirements | Seadronix Corp. Hankeun Kim |
| 15:40~16:00 | 20' | Q&A session <ul style="list-style-type: none"> How can the industry help develop the MASS Code? | Moderator and presenters |
| 16:00~16:30 | 30' | Coffee break | Sponsored by the Republic of Korea |

<Session 3>

Port: Digitalization of ports, link between MASS and ports
**(Moderator: Dr. Keiko Miyazaki, Director, Centre for International Cooperation
National Maritime Research Institute,
National Institute of Maritime, Port and Aviation Technology)**

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|--------------------|-----|---|---|
| 16:30~16:50 | 20' | The digitalization of Incheon Port | Incheon Port Authority Jaehoon Lee |
| 16:50~17:10 | 20' | How to use the IMO Compendium for operational data during port calls / AEGIS | SINTEF Ocean Marianne Hagaseth |
| 17:10~17:30 | 20' | Innovation and technology in Busan Port | Busan Port Authority Jeonghum Yeon |
| 17:30~17:50 | 20' | Q&A session • How should multiple infrastructures, including ports, be linked when operating MASS? | Moderator and presenters |
| 17:50~17:55 | 5' | Closing remarks | Director, IMO Maritime Safety Division Heike Deggim |
| 17:55~18:00 | 5' | Commemorative photo | - |
| 18:00~19:00 | 60' | Evening reception (Delegates Lounge) | Sponsored by Republic of Korea |