



e-NAVIGATION
underway 2020
Asia - Pacific

ENUW AP 2020

(Korea Maritime Week 2020)



Ministry of Oceans and Fisheries
The Republic of Korea

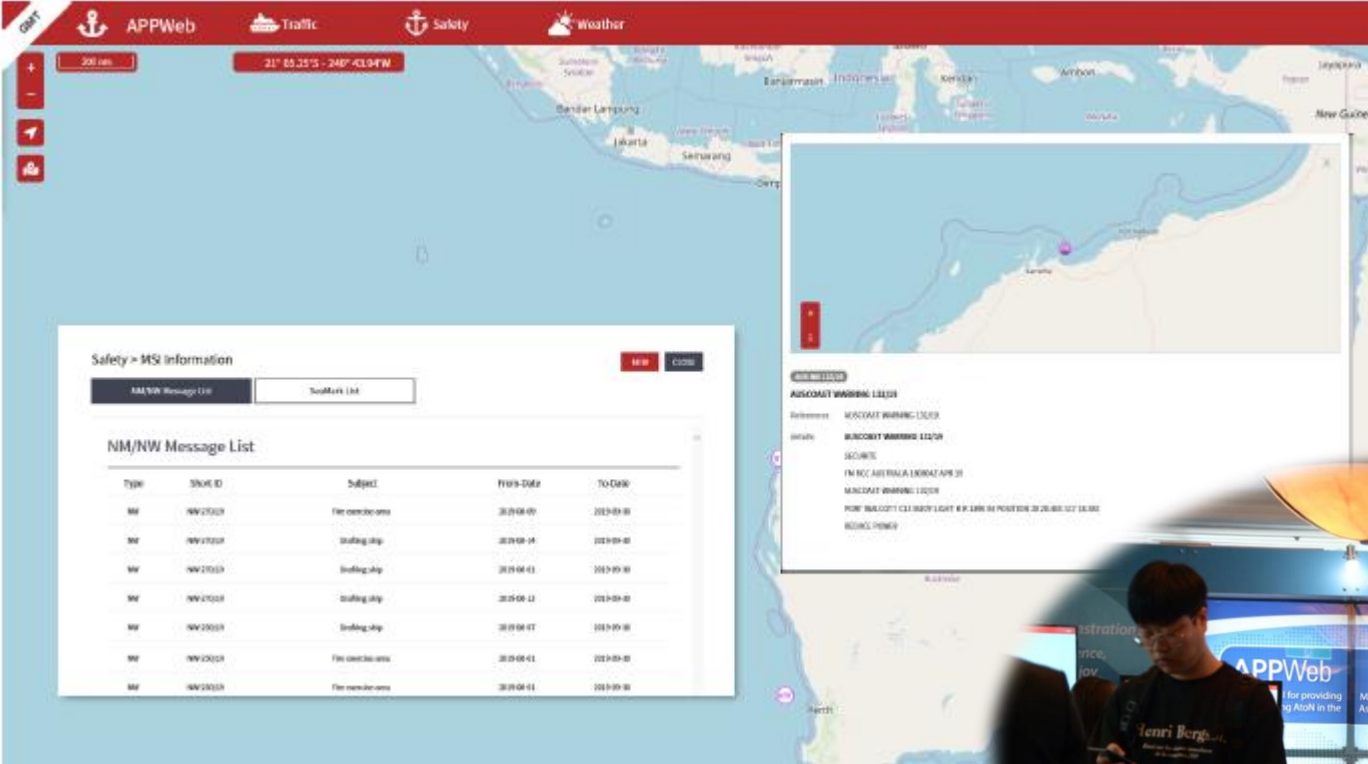
Conference Highlights

No	contents
1	It is important to continue to develop and implement harmonized maritime services in the context of e-navigation (or 'digital maritime services') for both SOLAS and Non-SOLAS ships . In particular, such services have the potential to greatly enhance the safety of Non-SOLAS ships, such as fishing vessels and domestic passenger ferries.
2	It is important to contribute to the future development of IMO's description of maritime services in the context of e-navigation.
3	There is need to describe existing and emerging e-navigation services in terms of data product specifications and technical service descriptions, for example, as outlined in IALA Guideline G1128 (on the specification of e-navigation technical services). This will assist with harmonization and interoperability of digital maritime services.
4	LTE-M is a proven communications system for digital maritime services. 3GPP and IMO-ITU expert groups continue to enhance LTE-M and develop new standards for communications.

Conference Highlights

No	contents
5	More emphasis should be placed on capacity building in the context of e-navigation. International and regional cooperation initiatives, led by organizations like IMO and IALA, are vital in this regard.
6	The idea of establishing a global maritime innovations cluster was raised. It can be a mechanism to facilitate international cooperation when developing the maritime industry's response to the fourth industrial revolution.
7	It is essential to share information on cyber attacks, so that any lessons learnt can be incorporated into risk management plans. In order to facilitate secure information exchange, a framework to provide trusted identities is needed.
8	Initiatives and projects, particularly test beds, should be more result oriented and, where practicable, be conducted in cooperation with users and industry. New test beds should build upon the results of previous test beds. The results of e-navigation test beds should be shared, using IMO and IALA reporting templates.

APP web (Asia-Pan-Pacific Web)



The screenshot displays the APPWeb interface. At the top, there is a navigation bar with icons for APPWeb, Traffic, Safety, and Weather. Below this, a map of Southeast Asia is shown, with a red box indicating coordinates 21° 55' 25" N - 140° 43' 04" E. A sidebar on the left contains navigation icons. The main content area is divided into two sections: "Safety > MSI Information" and "NM/NW Message List".

Safety > MSI Information

Buttons: **MSI** **Close**

NM/NW Message List

Type	Source ID	Subject	From Date	To Date
MS	NW27020	File message sent	2019-08-09	2019-09-09
MS	NW27020	Drifting ship	2019-08-09	2019-09-09
MS	NW27020	Drifting ship	2019-08-09	2019-09-09
MS	NW27020	Drifting ship	2019-08-09	2019-09-09
MS	NW27020	Drifting ship	2019-08-09	2019-09-09
MS	NW27020	File message sent	2019-08-09	2019-09-09
MS	NW27020	File message sent	2019-08-09	2019-09-09

MSI INFORMATION

AUSCOAST WARNING 110209

Reference: AUSCOAST WARNING 110209

Details: AUSCOAST WARNING 110209

SECURITY: FM REC AUSTRALIA 110209 APR 20

MSI INFORMATION 110209

POINT AUSTRALIA 110209 LIGHT W. R. 110209 POSITION 20 20 000 127 10 000

ISSUES: PENDING



Capacity Building Workshop



➡ **11 participants from 7
countries in 2018**

**40 participants from 17
countries in 2019** ➡



Capacity Building Workshop

Towards e-navigation in Asia-Pacific

06/09/2019

The implementation of e-navigation - the user-friendly collection, harmonization and display of essential maritime information - will contribute to enhanced maritime safety and security and support efficient shipping while protecting the marine environment. Various e-navigation solutions are being developed, taking into account IMO guidance and regulations. The SMART-Navigation Project, organized and funded by the Ministry of Oceans and Fisheries, Republic of Korea, was presented during an IMO regional workshop on e-navigation for the Asia-Pacific region, held in Busan, Republic of Korea (4-6 September). The main aim of the workshop was to promote e-navigation amongst the participating countries from the Asia-Pacific region and discuss a way forward for collaboration and implementation under the theme "If you want to go fast, go alone, if you want to far, go together", a key message that was emphasized by the Minister of Oceans and Fisheries, Mr. Seong-Hyeok Moon.

The IMO workshop was hosted by the Republic of Korea, through the Ministry of [Oceans](#) and Fisheries and organized by IMO and [IALA](#). Participants also attended the e-Navigation [Underway](#) Asia-Pacific 2019 Conference in Seoul (2-3 September), and the Korea Maritime Safety [Expo](#) in Busan (4-6 September).



When

➔ In conjunction with the Korea Maritime Week,
to be held on June. 8th (Monday) through 12th (Friday), 2020

	2020											
month	1	2	3	4	5	6	7	8	9	10	11	12
IALA		Int'l 2020	ARM11 (9~13) ENAV25 (16~20)		VTS- ENAV SYMPOSIUM	IALA Council 71				ENAV26 ARM12		IALA Council 72
IMO	NCSR7	SDC7 PPR7	SSE7 IOPC LEG IMSO	FAL44 (20~24) MEPC75	MSC102 (3~22)	HTW7 TCC70	C124 IMSO III7		CCC7	LC42 LP15 MEPC76	IOPC MSC103	C125

Components of Korea Maritime Week

➔ Participants : More than 500 experts

	8th	9th	10 th	11 th	12 th
Opening ceremony	① ENUW AP 2020				
	② Capacity Building Workshop on e-Navigation (from Asia-Pacific, Europe, Africa)				
			③ Eco-Friendly initiatives	④ Digital Maritime Platform and Cyber Security Seminar	
	⑤ APEC SEN				
			⑥ World Maritime Accident Investigation Seminar		⑦ MASSeminar
	⑧ Digital Maritime Exhibition				
			⑨ MCC General Assembly	⑩ Global Maritime Digitalization Cluster : e-Navigation, e-Maritime, e-Port/Logistics, MASS (Based on MOU Global Test-Bed)	

Where

➡ Seoul or Busan or Other city in Korea

Who

➡ Co-organizer : IALA, DMA, MOF & IMO

Theme

➔ Digital Maritime ; e-Navigation, MASS, Digital Port & Logistics, Global Digital Maritime Cluster

Exhibition

➔ SMART-Navigation, ECDIS, MCP, APPweb, ECS streaming, LTE-M, D-HF, VDES etc.

Supported by

THANK YOU

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Service Team

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Ministry of Oceans
and Fisheries