

IHO S-101 Project Team

# Plan of NEW ENC symbols for the SMART e-Navigation

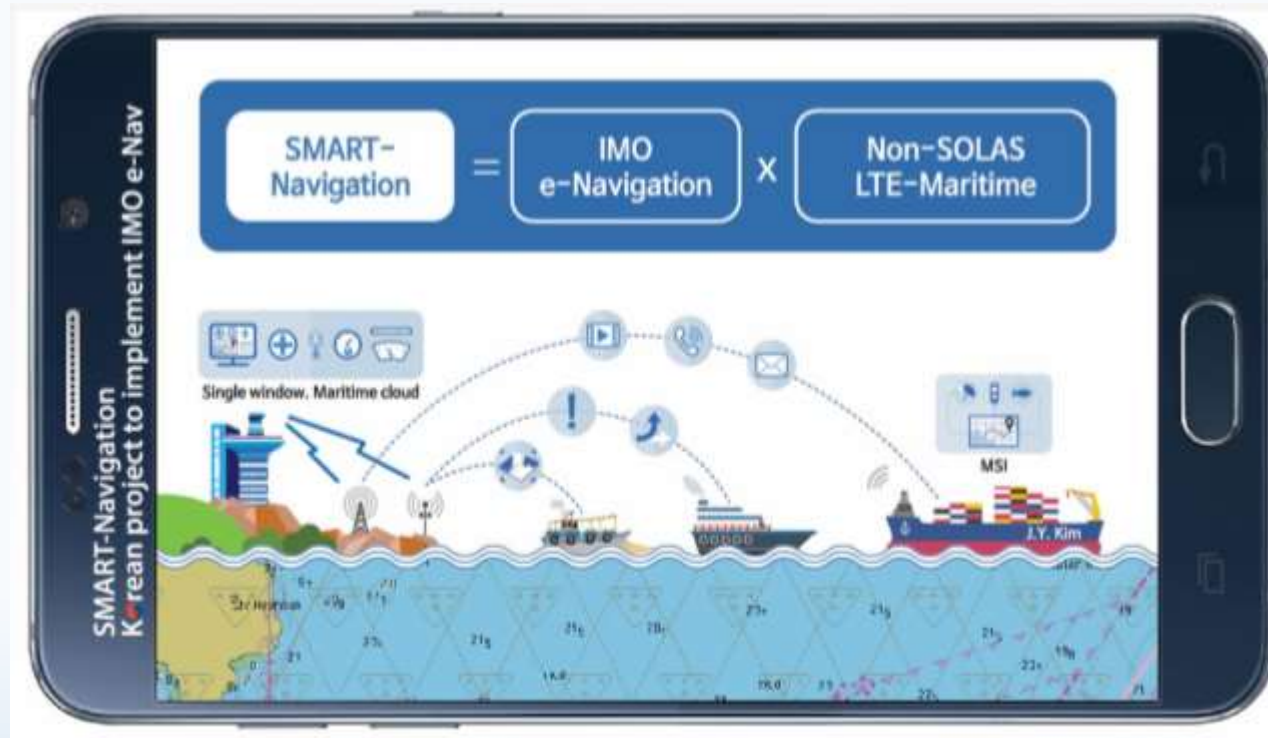
Presented by KHOA(BAEK Yong)



# Background

- SMART e-Navigation Project(2016~2020)

**“More focus on Non-SOLAS ships”**



*Source: 2018 e-Navigation Underway Conference AP.*

# Background

- **Challenges**

- a. Screen size

- ECDIS: 21 inch (?)
    - e-Nav. ECS: 15 inch

e-Nav. ECS



- a. Display information

- e-Nav. ECS: ENCs + S-111 + S-122 + S-127 + S-412 ...

- c. Users(not enough trained)

Fishing boat, Leisure craft, Yacht ...

ECDIS



# NEW Symbol Project

---

- **Overview**

- a) **Purpose**

- In order to display S-100 based data and services for small vessels, developing NEW ENC symbols and colors profile.

- b) **Main items**

- 1) Review S-57, S-101 ENC symbols and Colors
    - 2) Collect and analysis any technical opportunity in term of display
    - 3) Collect requirements and feedbacks to the ENC display for SMART e-Nav.
    - 4) Propose an initial guidance to develop symbols and colors
    - 5) Develop NEW symbol project as a 3 year program



# NEW Symbol Project

Idea)

S-4	V1	V2	V3
			
			
			
			
			
			



## Example



# Action requested of S-101PT

---

- **Note** the report.

