

# **Procedure for development of a S-Mode guideline**

Team K-Mode



# What is S-mode?



# Standardized mode for navigation equipment to enhance the safety at sea from user-perspective \*

\* NAV(Sub-Committee on Safety of Navigation) 54/13/1

# Why S-mode?

**Over 60% of accidents from Human Error \*** 

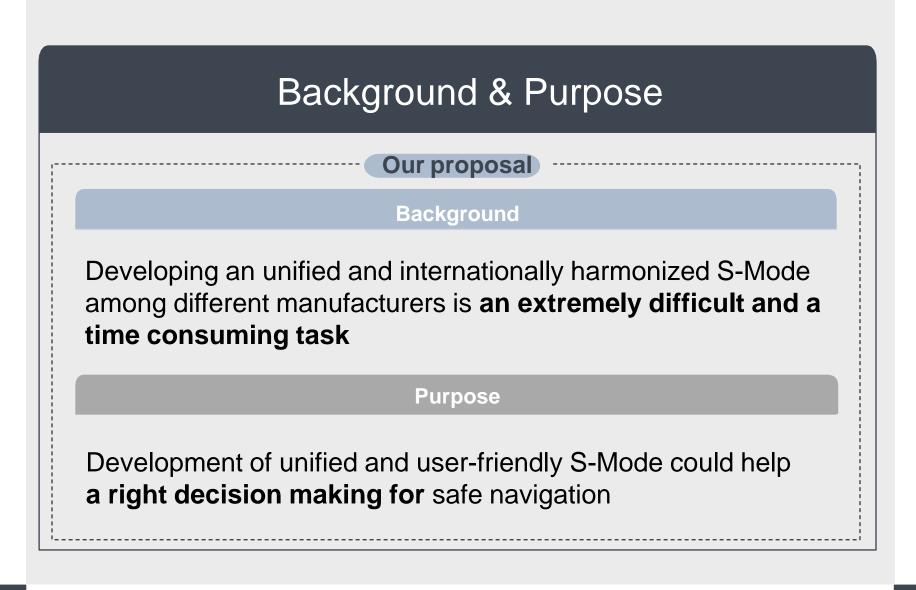
S-Mode will be a solution to mitigate a navigation risk(e-navigation SIP) \*

\* NAV(Sub-Committee on Safety of Navigation) 59/6
\* NCSR(Sub-Committee on Navigation, Communications and Search and Rescue 1/28

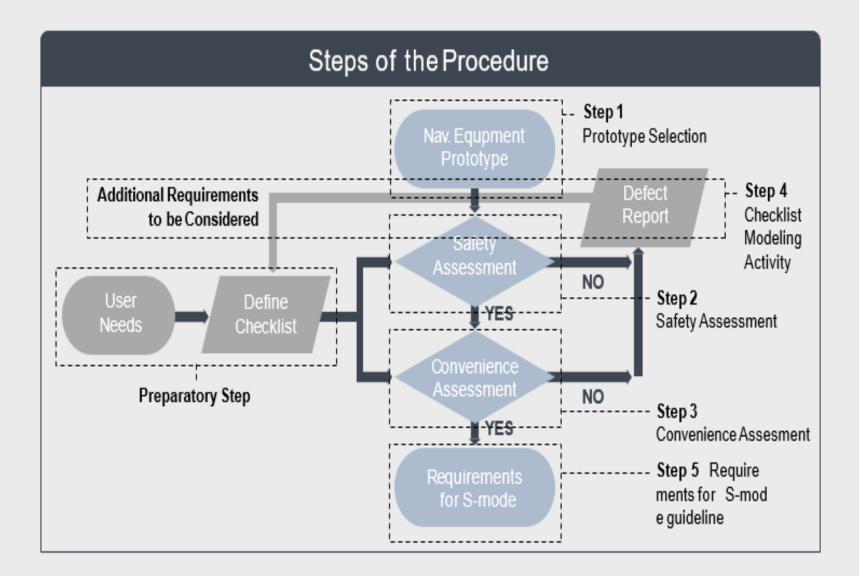
# S-mode Since 2008

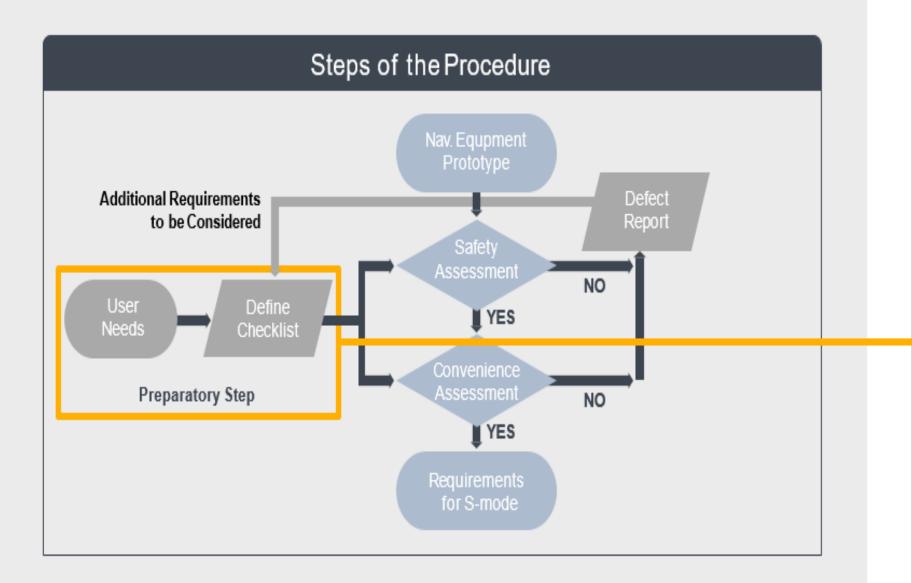
2008.03 <b>NAV 54</b>	The concept of standardization has been suggested at conference of NAV 54 by IFSMA
2015.06 <b>MSC 95</b>	At MSC 95 MSC has approved development of a S-Mode guideline as a part of the e-navigation *
2019 <b>Deadline</b>	Developing S-Mode guideline is to be complete by 2019

\* MSC(Maritime Safety Committee) 95/19/8



\* NAV(Sub-Committee on Safety of Navigation) 54/13/1





#### Steps of the Procedure

#### Captain, 26yrs of sea-going experience



"If ECDIS were locked d own to a minimal set of f eatures it would no longe r be an ECDIS. Personally, I disagree with the notion of S-mode."

#### Pilot, 18yrs of sea-goingexperience



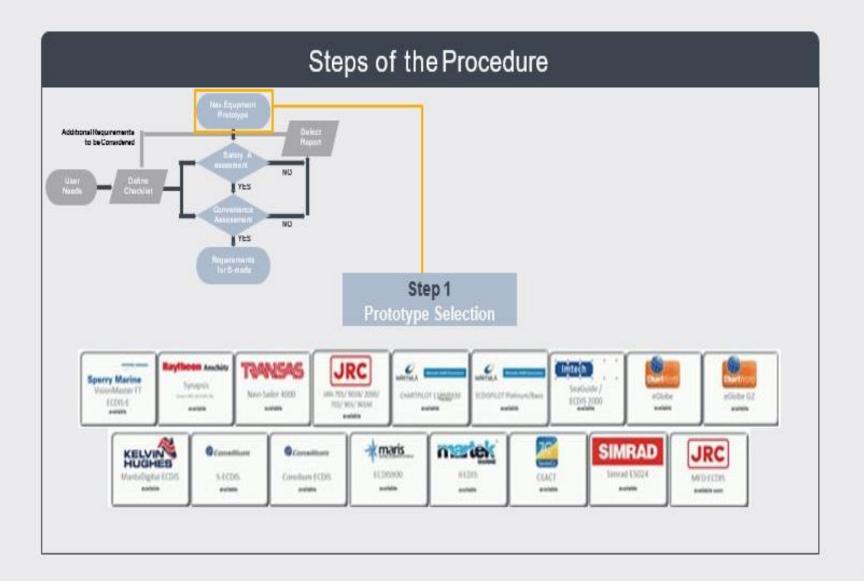
"Keep it simple. Currently, there is too m uch function and mode for radar, I think head up and relative motion would be enough."

#### Captain, 14yrs of sea-going experience

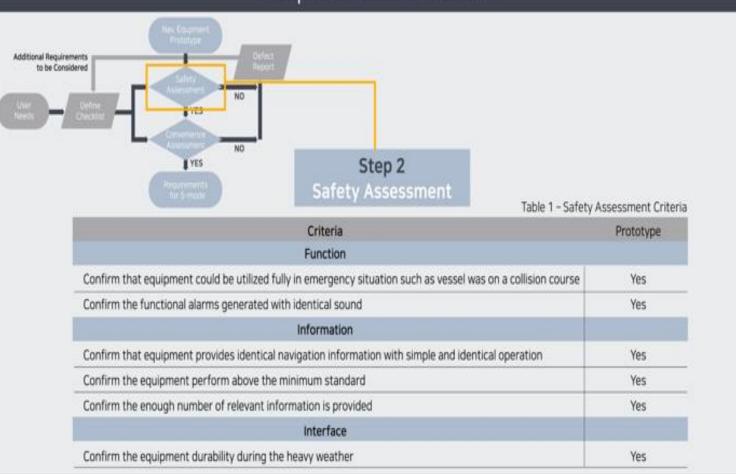


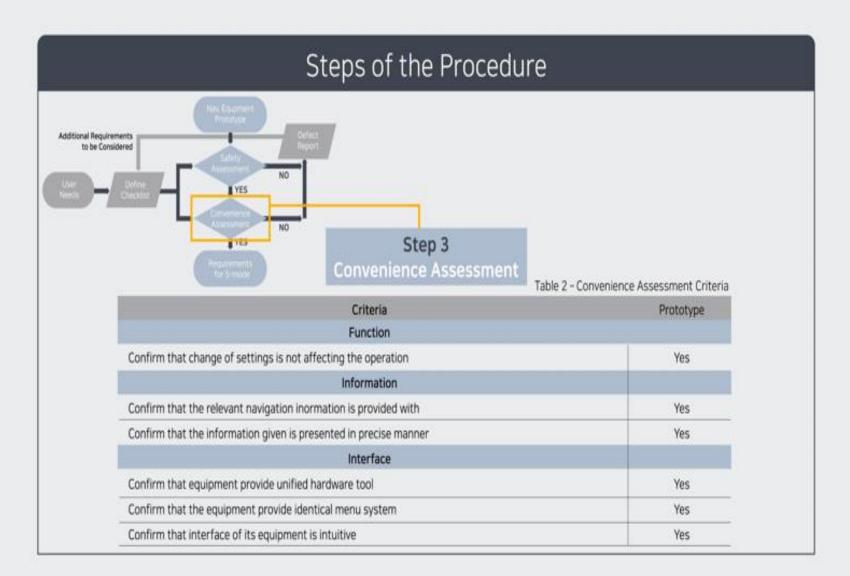
"I hope that bridge equi pment has same menu format, function, and terminology. It took me some times until I get used to with the new ship"

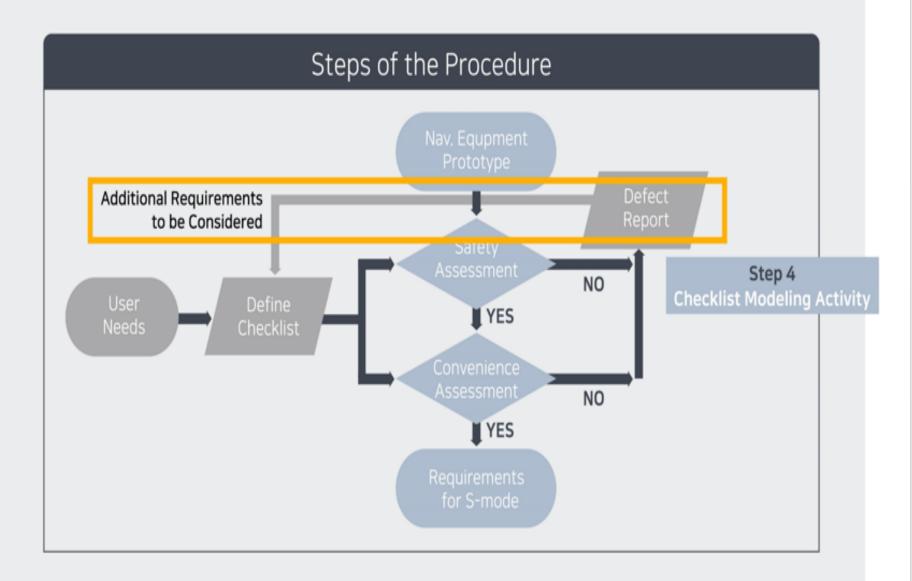
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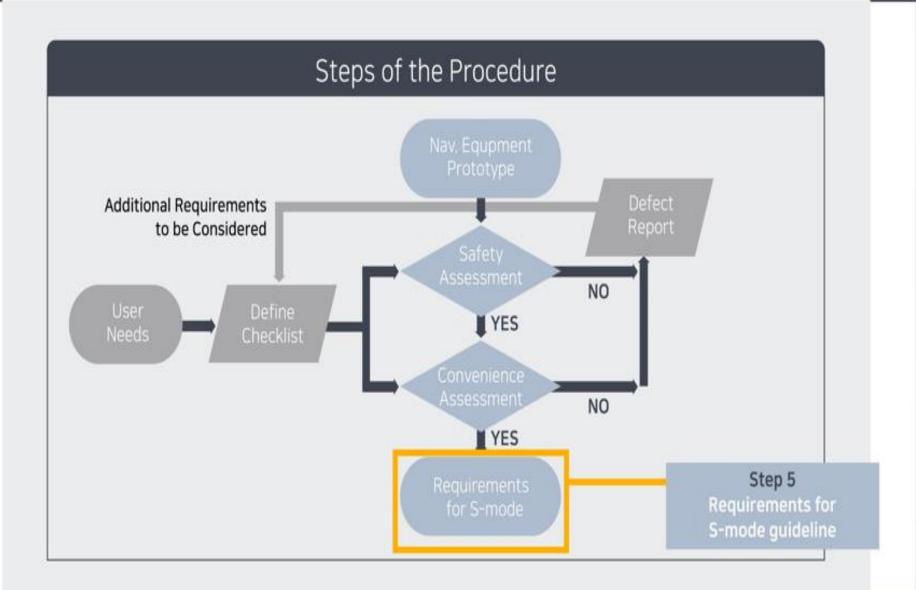












## Expected Effects



Procedure for development of a S-mode Guideline will bring in many positive aspects including reducing the accidents resulted from human element, promoting IMO's high action plan implementation related to E-navigation, and building a consensus between stakeholders.



### Summary

#### What is S-Mode

Standardized navigation equipment to enhance the safety at sea from user-perspective

#### Why S-Mode is needed?

It can decrease the rate of marine accidents It can help navigators make a right decision at sea

#### S-Mode, the past and the future

2008	The concept of S-Mode was given shape
2015	Planned to develop a S-Mode guideline
2019	A S-Mode guideline development to be complete

#### Summary

Why our procedure must be developed?

No available standard function or items Much confliction between stakeholders

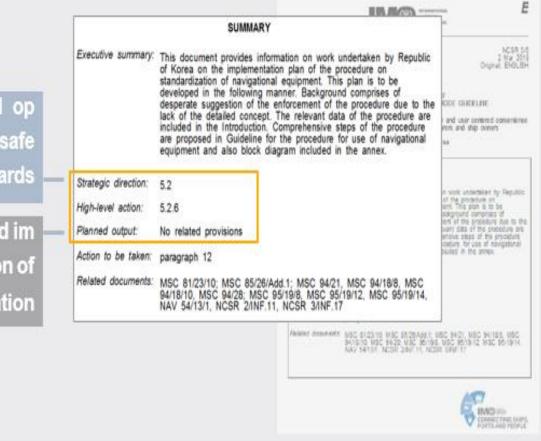
#### Our procedure

Consists of 5 steps excluding the preparatory step. Through this procedure requirements of S-Mode guideline can be complete

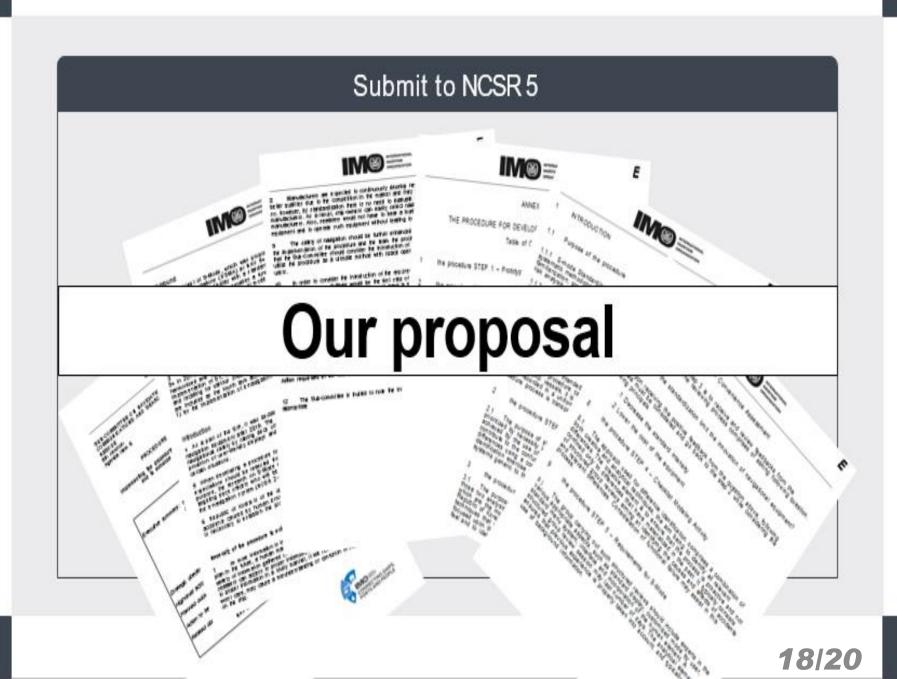
#### Expected effects of our procedure

Bring about the reduction of human error after the application of S-Mode Solve the task S1 of e-navigation SIP Settle the opposite opinions between manufacturers, user, and etc.

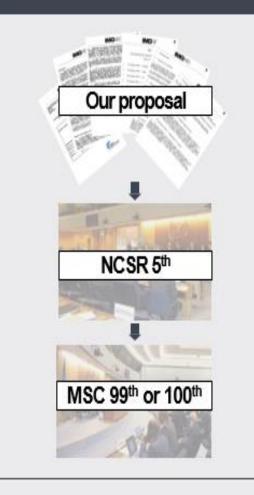
### Submit to NCSR 5

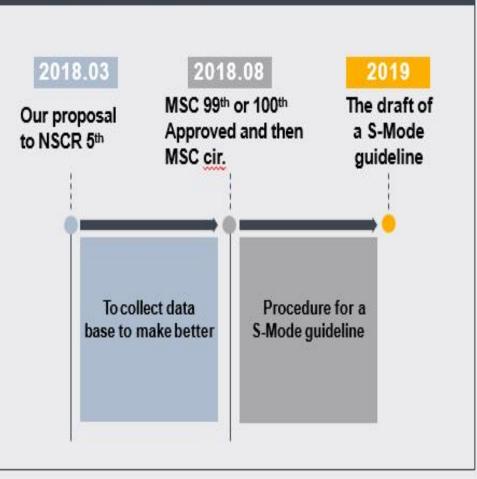


- Enhancing technical op erational and safe
- management standards
  - Development and im plementation of
    - e-navigation



## How our proposal goes





"The safety is not something we await, it is something we make"

"

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## Reference

[2<sup>nd</sup> & 5<sup>th</sup> slides] NAV(Sub-Committee on Safety of Navigation) 54/13/1

[3<sup>rd</sup> slide] NAV(Sub-Committee on Safety of Navigation) 59/6 NCSR(Sub-Committee on Navigation, Communications and Search and Rescue) 1/28

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[4<sup>th</sup> slide]
MSC(Maritime Safety Committee) 95/19/8
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[8<sup>th</sup> slide]
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## THANK YOU FOR YOUR ATTENTION