

# Potential Impacts of S-100 etc... on IMO and IEC standards

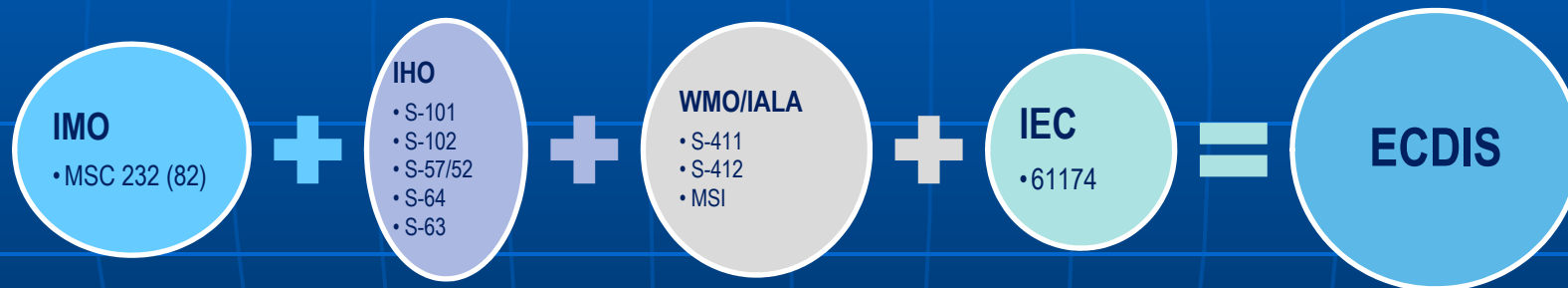
HSSC9

# Introduction

- ✦ Recognize that S-100 is maturing
- ✦ Increased development of S-1xx Product Specifications
  - S-101
  - S-111
  - S-122
  - S-124
  - S-102
  - S-412 etc...



# The ECDIS Recipe



# Background

- ✦ Issue presented at TSMAD24 in 2014
- ✦ Resulting conclusions
  - Needed to examine the implications for implementing S-101 and other S-100 specifications
- ✦ No further work has occurred on this item



# IMO MCS.232 (82)

- ✦ Outlines the MINIMUM requirements that are needed for ECDIS.
- ✦ ECDIS defines chart information:
  - The chart information to be used in ECDIS should be the latest edition, as corrected by official updates of that issued by or on the authority of a Government, government-authorized Hydrographic Office or other relevant government institution, and conform to IHO standards.
- ✦ To update to use S-101, theoretically only the footnotes need to be updated



# IMO MCS.232 (82)

- ✦ What about the greater S-100 suite of products?
- ✦ Is there a change in the minimum requirements for ECDIS?
- ✦ Is just a general requirement for adding S-100?
- ✦ Because the S-1xx suite of products would keep growing, it is impractical to cite every specification.



# IEC 61174 and S-64

- ✦ Everyone recognizes that S-100 requires changes to these standards.
- ✦ What are the changes needed
  - How do we go about to implement the changes



# Conclusions

- ✦ We know change is needed
- ✦ How do we go about enacting the change
- ✦ What is the optimal timeline
- ✦ Where does the S-100 Interoperability Specification fit in.





# Recommendations

- ✦ The timeline for finalization of various product specifications keep sliding
- ✦ Acknowledge that it is still too premature to open up any formal discussion regarding what should be amended
- ✦ Consider holding an ECDIS/Enavigation stakeholder day at HSSC9 to discuss this issue
  - Allows for more maturation of the S-100 Test Bed



# Justification and Impacts

- ✦ Delay in a type approved S-100 based ECDIS
- ✦ Noted that the most likely uptake would occur in the sub-SOLAS and Enavigation market first



## Actions Required

- ✦ HSSC is invited to:
  - a. note this this report
  - b. discuss other S-100 implications
  - c. agree to revisit this discussion at HSSC9 by holding an ECDIS Stakeholder Forum in conjunction with HSSC9.

