

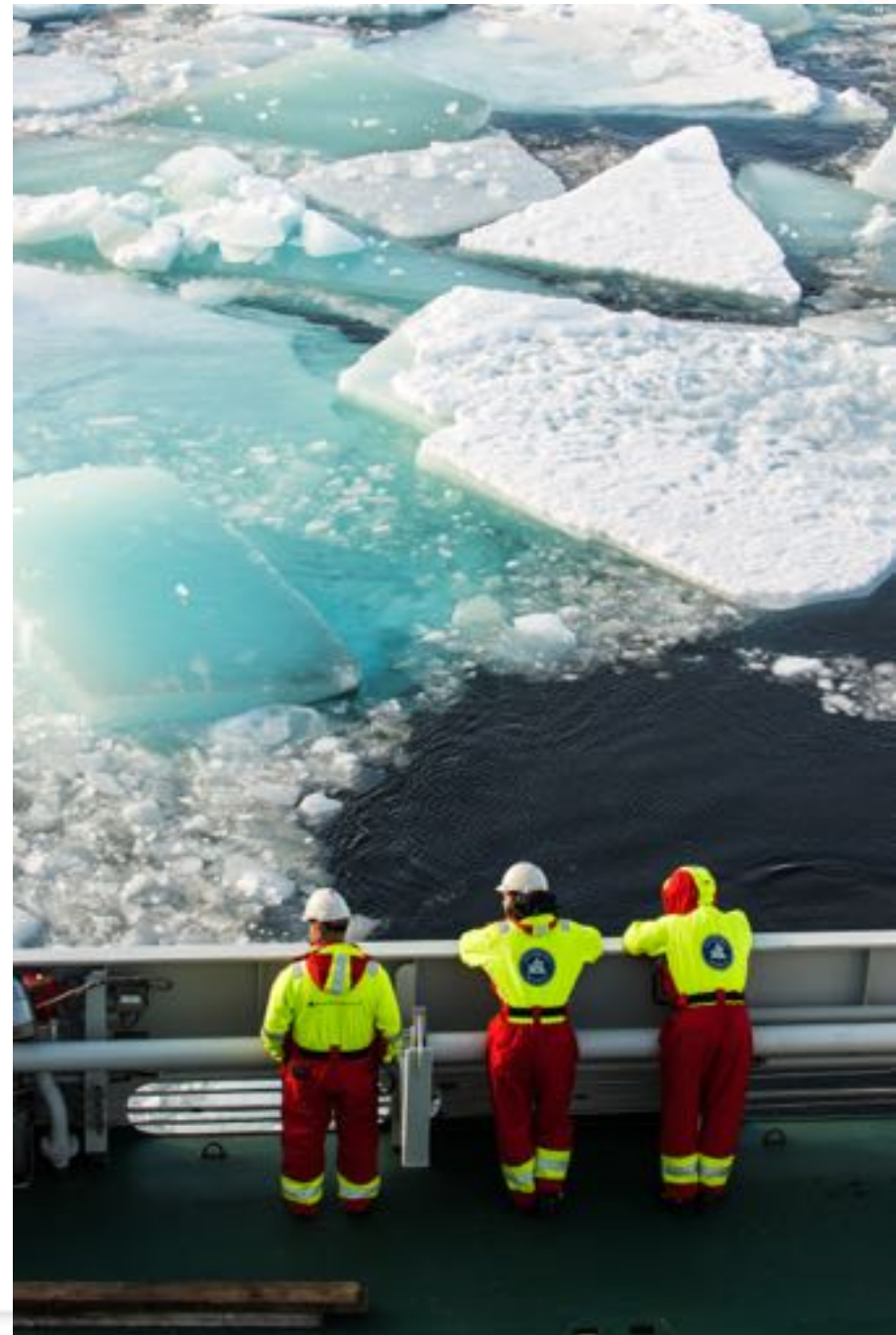
# Implementation of the Polar Code – a preliminary analysis of information received

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## Preliminary analysis

- Overview of interpretations
- Denmark, UK, US, Iceland, the Russian Federation, Poland, Canada and Spain
- Role of RO
- Background for discussions in IMO



# The relationship between ship category, ice/polar class, ice conditions and POLARIS as a decision support tool

- Method for assigning ship category
- Details ice class – category
- POLARIS, or similar accepted tools, decision support tool on board
- Collect more information





## Ice conditions for a category C ship to operate in

- “Open water or in ice conditions less severe than those included in categories A and B.”
- Common interpretation
- Further discuss



# The Polar Water Operation Manual (PWOM)

- Living document
- Used on board
- Updated as necessary
- Part of the ISM, approved and audited accordingly
- Reviewed Polar Ship Certificate
- Ships limitations
- Language
- Common interpretation





## Ice accretion and damage stability calculations

- Should ice accretion be included in the loading conditions when checked against damage stability limiting curves?
- SDC 1 – no consensus
- Resubmitted to IMO's subcommittee Ship Design and Construction



## Removing of ice accretion

- Working in an unsafe environment
- Exposure to environmental conditions
- Ship's design and available crew govern the dimension of ice removal equipment
- Axes, wooden clubs, spades, salt, glycol etc





## $S_{mom}$ , probability to survive heeling moments

- Technical issue should be further discussed in IMO







## Chapter 12 – Manning and training

- Interpretations on chapter 12
- To be included in the scoop



## Possible ways forward

- Further work for a harmonized implementation
- Overview of the States interpretation, including
  - manning and training
  - possible other topics
- Timing



## Possible ways forward

- Collect information
- Facilitate a harmonized implementation
- High technical complexity, IMO for further deliberation
- Unified interpretations
- Future revision of the Polar Code





# PAME

Collect  
information,  
prepare

Revision of  
Polar Code

Later stage

High technical  
complexity

Unified  
interpretations

# IMO for deliberation

# Thank you

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