**COMPETENCY 3: WARN OF HAZARDOUS ICE CONDITIONS AND PARAMETERS**

**Competency Description:**

Warnings are issued in a timely manner when hazardous conditions are expected to reach documented threshold values and updated, amended or cancelled, as appropriate, according to documented criteria. These conditions and parameters are in general prone to damage vessels and equipment and pose threats to the safety of marine navigation and fishing activities.

**Performance Criteria**

(1) Warn for the following hazardous ice conditions and parameters, including their spatial extent, onset/cessation, duration, intensity and its temporal variations:

(a) Ice pressure warnings;

(b) Rapid closing of coastal lead warnings;

(c) Special ice warnings;

(d) Icebergs.

(2) Ensure that warning products are prepared and issued in accordance with thresholds for hazardous ice conditions and parameters as per national SOPs, including formats, codes and technical regulations on content, accuracy and timeliness;

(3) Ensure that warnings of hazardous ice conditions and parameters are consistent (spatially and temporally), across boundaries of the area of responsibility as far as practicable, whilst maintaining meteorological integrity. This will include monitoring forecasts/warnings issued for other regions, and liaison with adjacent regions as required.

**Background knowledge, skills and abilities**

 Knowledge of SOPs for warnings

 Knowledge of ice warning criteria and associated amendment criteria

 Ability to utilize and clearly communicate forecasting model (deterministic models and ensemble prediction system) outputs

 Knowledge of areas of responsibility (local and regional) and warning boundaries

 Ability to use relevant warning communication systems