PAME I-2015 Agenda Item 4.1(d)
AMSA Recommendation I(A)
AOR Final Report Recommendation 3
USA Views on Specific Areas of Cooperation with IALA

Background

AMSA Recommendation I(A) provides that:

> *[T]he Arctic states decide to, on a case by case basis, identify areas of common interest and develop unified positions and approaches with respect to international organizations such as: the International Maritime Organization (IMO), the International Hydrographic Organization (IHO), the World Meteorological Organization (WMO) and the International Maritime Satellite Organization (IMSO) to advance the safety of Arctic marine shipping; and encourage meetings, as appropriate, of member state national maritime safety organizations to coordinate, harmonize and enhance the implementation of the Arctic maritime regulatory framework.*

AOR Final Report Recommendation 3 provides, in relevant part, that:

> *The Arctic states should support work at the IMO and other international organizations with recognized competence to promote and advance safe, secure, reliable and environmentally sound shipping….”*

PAME II-2014 adopted a record of decision (ROD) inviting member governments to submit their views to PAME I-2015 on the specific areas of proposed cooperation identified in the International Association of Marine Aids to Navigation and Light House Authorities (IALA) paper.

IALA's Identified Areas of Possible Cooperation

In the paper it submitted to PAME II-2014 entitled "Possible Cooperation between PAME and IALA," IALA identified two areas of possible cooperation: (1) vessel tracking and services for safety of navigation; and (2) e-Navigation maritime services from shore in the Arctic.

Vessel tracking and services for safety of navigation

IALA suggested that IALA-NET -- its vessel tracking system comprised of a group of national maritime authorities which provide ship Automatic Identification System (AIS) reports from their terrestrial AIS systems to a central server that can be accessed by all contributors -- serve as the basis or model for developing a broader cooperation in the Arctic for vessel tracking and for voluntary coordinated voyages through the sharing of positions and planned routes. IALA also suggested exploring cooperation to supplement information transmitted via standardized AIS

messages from ships (vessel name, type, course, speed, destination, *etc.*) to include information on ice classification, fuel used, endurance, rescue capabilities and the like. Cooperation on identifying possible additional elements to supplement the existing ones in standardized AIS messages and a communication channel for disseminating that information (AIS, internet or other) might benefit maritime domain awareness, maritime safety and search and rescue in the Arctic.

e-Navigation maritime services from shore in the Arctic

IALA observed that harmonizing shore-based maritime information services already provided by various Arctic States, such as web-based sharing of ice data and meteorological data, could further benefit Arctic shipping. As IALA will begin work on harmonizing some Maritime Service Portfolios (groups of shore services) in its next four-year technical work period, it indicated that advice from Arctic States on the types of shore services that could be provided and harmonized would be essential. Accordingly, IALA suggested an exchange of information between IALA and PAME on specific requirements in the Arctic for maritime services from shore might have merit.

USA Response

The USA believes that both of IALA's suggested areas of cooperation have merit and warrant further exploration. The USA also believes that PAME and IALA should consider the development of a portfolio of Arctic ice navigation AIS Application Specific Messages. Accordingly, the USA recommends that representatives of PAME's shipping expert group initiate intersessional discussions with IALA to further flesh out these areas of possible cooperation and develop a draft project plan for consideration at PAME II-2015.

Recommendations

The USA recommends that PAME I-2015 decide that the shipping expert group:

- is to initiate intersessional discussions with IALA to further flesh out the two areas of possible cooperation identified in the IALA paper entitled "Possible Cooperation Between PAME and IALA" submitted to PAME II-2014 and develop a draft project plan for consideration at PAME II-2015;

- is to reach out for input to the Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM) Expert Team on Sea Ice (ETSI) and the International Ice Charting Working Group (IICWG) on e-Navigation maritime services from shore as these groups are actively looking at the development and harmonization of electronic sea ice charts and associated Ice Objects Catalogue for input into navigational Electronic Chart Systems; and

- is to explore working with IALA on the development of a portfolio of Arctic or ice navigation AIS Application Specific Messages.