



National Matters CHINA (CHINA MSA)

75th session of the IALA Council

1. A new generation SAT-AIS verification payload was successfully launched.

CHINA MSA successfully launched a new generation SAT-AIS verification payload on February 27th, 2022. The satellite can receive AIS information from ship and shore, and broadcast information through the downlink. It can be used in the SAT-AIS constellation networking and integrated terrestrial-satellite SAT-VDES system experiment. Based on these experimental data CHINA MSA will continue to carry out the optimization of satellite-based navigation services.

2. Marine AtoNs delivery adjustment for revised Qiongzhou Strait Ships' Routing System.

April 1st 2022, CHINA MSA announced the revised Ships' Routing System in Qiongzhou Strait, prior to that CHINA MSA has accomplished the MAtoNs delivery adjustment by March 11. At present, there are 31 Ships' Routing MAtoNs and 8 multi-functioned MAtoNs in Qiongzhou Strait. The multi-functioned

MAToNs installed sensors which can collect data such as wind, stream, visibility and video monitoring etc., some of them are equipped with Linear low density polyethylene material. These newly released/adjusted MAToNs will further advance shipping accessibility and enhance navigation safety in Qiongzhou Strait.

3. Digitalization of Tianjin Port Main Channel.

Tianjin Port Main Channel completed its facilities digital transformation by using AIS technology. Ships, through existing AIS, radar, ECDIS and other ship-borne devices, can obtain the MAToNs' name, characters, working status and more accurate position information in real time. Digitalization of the channel can help mariners identify MAToNs and boundary lines under restricted visibility.

4. Tianjin VTS Center won the title of "National Popular Science Education Base".

Tianjin VTS Center was selected by China Association for Science and Technology as a National Popular Science Education Base 2021-2025. From 2012 to 2022, Tianjin VTS Center has carried out more than 50 popular science activities include maritime safety education, culture and history publicity of aids to navigation and introduction to IALA. These activities were open to the public and covered more than 20 schools in Beijing and Tianjin. Since the outbreak of COVID-19, the VTS Center has innovated the form of science popularization, lead viewers to live-streamed "cloud tour", realizing non-contact

science popularization, the number of viewers reach more than tens of thousands on each broadcast.