
United States Coast Guard

Office of Navigation Systems



“We Help Mariners Get There”

41st Commercial Fishing Vessel Safety Advisory Council

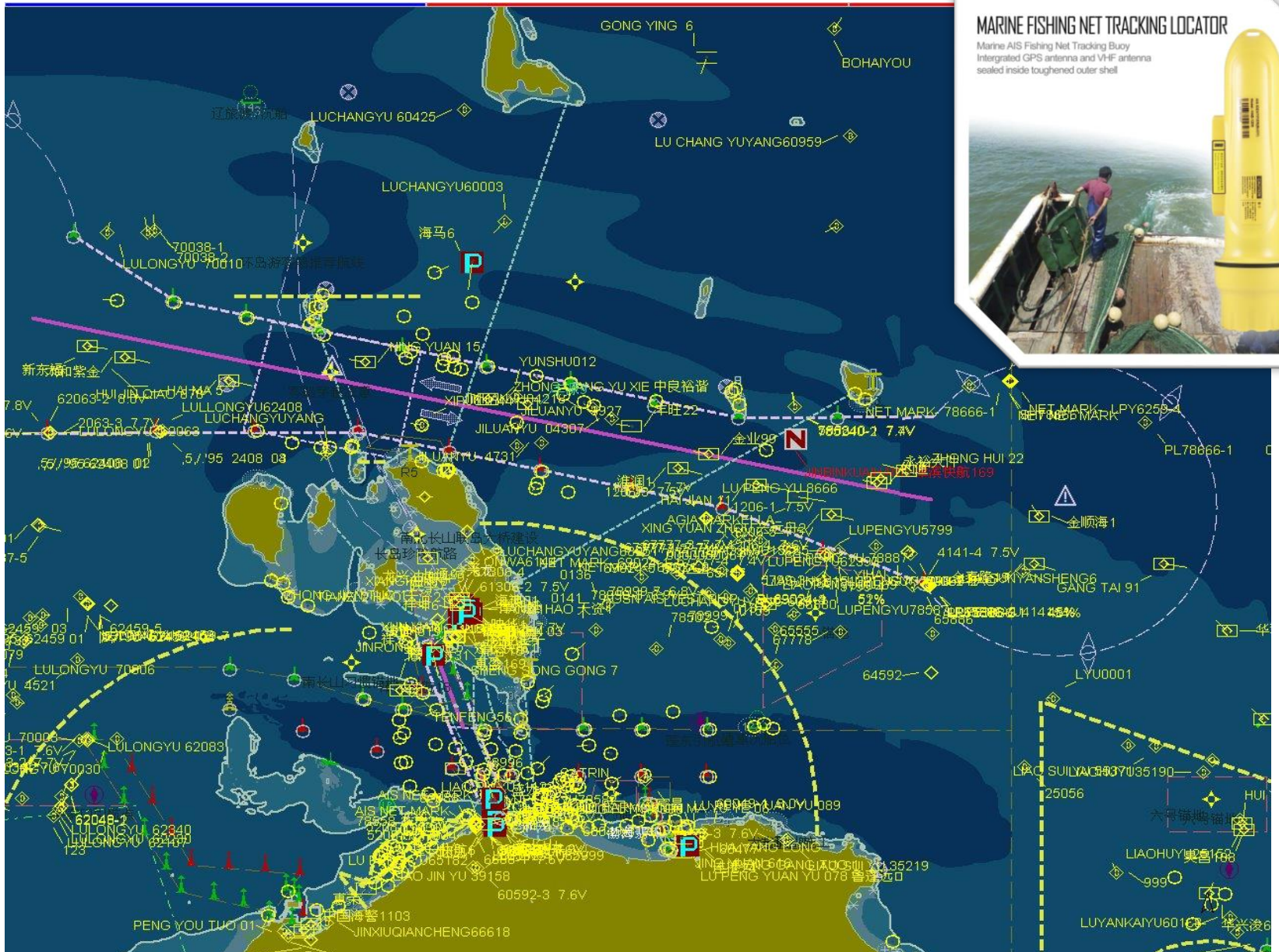
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Homeland
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AIS fish net locators, they're a world-wide issue!



MARINE FISHING NET TRACKING LOCATOR

Marine AIS Fishing Net Tracking Buoys
Integrated GPS antenna and VHF antenna
sealed inside toughened outer shell





Source: Document 5B/TEMP/243

Subject: WRC-19 AI 1.9.1

Annex 29 to
Document 5B/538-E
20 June 2018
English only

Autonomous Marine Radio Devices (AMRDs)

Annex 29 to Working Party 5B Chairman's Report

LIAISON STATEMENT TO THE INTERNATIONAL MARITIME ORGANIZATION, THE INTERNATIONAL ASSOCIATION OF MARINE AIDS TO NAVIGATION AND LIGHTHOUSE AUTHORITIES, THE WORLD METEOROLOGICAL ORGANIZATION, THE COMITÉ INTERNATIONAL RADIO-MARITIME AND INMARSAT PLC.

Autonomous maritime radio devices and identities in the maritime mobile service

ITU-R Working Party 5B (WP 5B), at its meeting on 21st May – 1st June 2018 continued the work on WRC-19 AI 1.9.1 on autonomous maritime radio devices (AMRD) and considered to revise Recommendation ITU-R M.585-7. WP 5B provides relevant draft documentation to International Maritime Organization (IMO), International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA), World Meteorological Organization (WMO), Comité International Radio-Maritime (CIRM) and Inmarsat Plc..

AMRD = mobile station; operating at sea & transmitting independently of a ship or shore

Group A--*enhance the safety of navigation*

- Class M Man Overboard (MOB) devices**
- Mobile Aids to Navigation (MAtoN)**

Group B--*do not enhance the safety of navigation; deliver signals or information which do not concern the navigation or complement VTS*

They shall have:

- **< 100 mW power**
- **< 10% duty cycle**
- **< 100 ms broadcast**
- **< 1m integrated antenna & < 1 m height**
- **Protected power switch & transmit indicator**
- **25/12.5 kHz channel --Ch.6 (WRC19)**
- **Non-interferer, not protected**

Recommendation ITU-R M.2135-0
(10/2019)

Technical characteristics of autonomous maritime radio devices operating in the frequency band 156-162.05 MHz

M Series
Mobile, radiodetermination, amateur and related satellite services

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