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| From: ARM Committee | ARM11-13.2.6 |
| To: ENAV Committee | 13 March 2020 |

LIAISON NOTE

Assigning MMSI to AIS AtoN

# Introduction

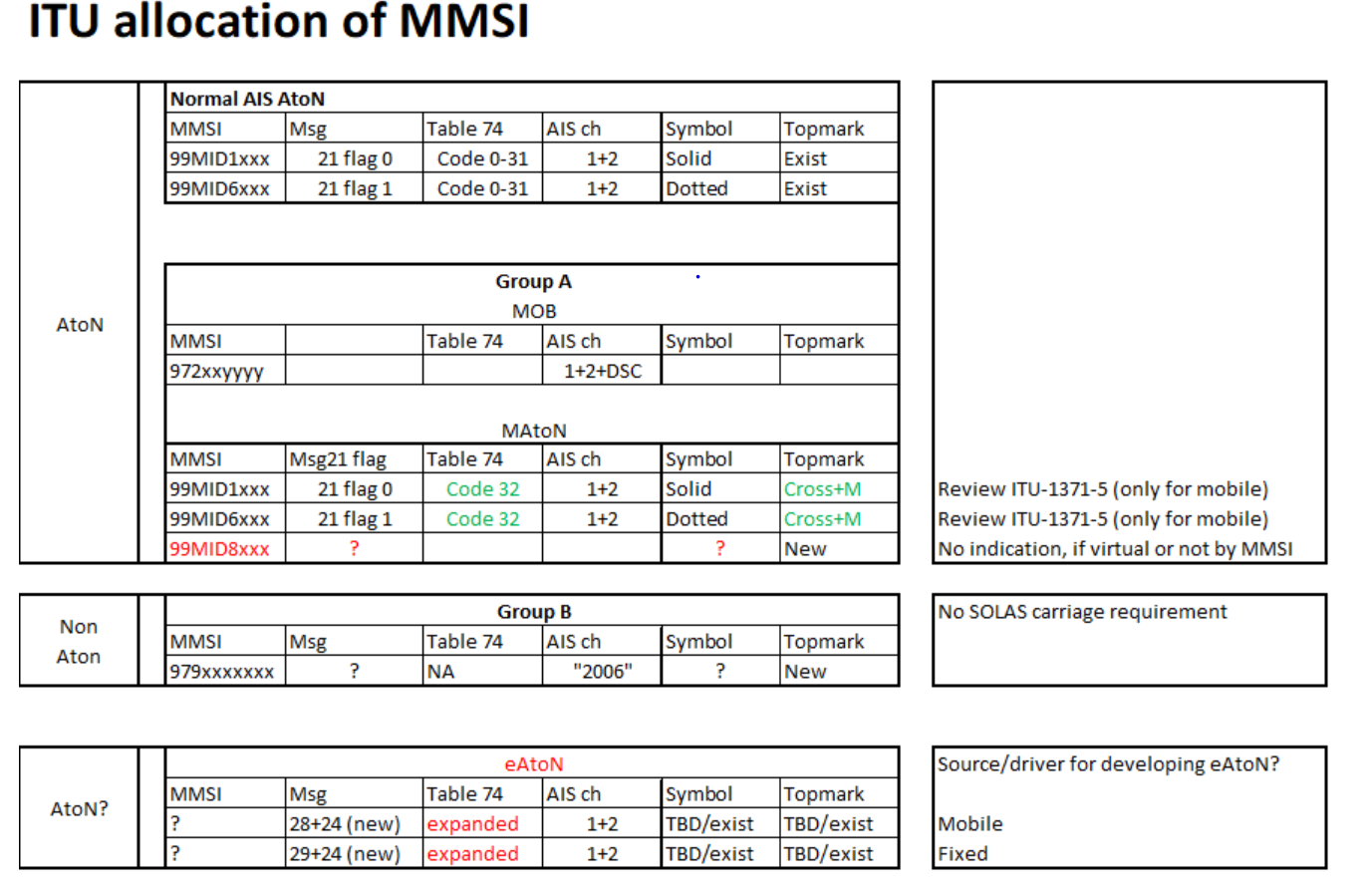
The use of AIS AtoN is increasing, in particular non-official/unauthorized use with regard to the fishing/aquaculture industries is a known issue.

Currently there are various methods of defining and displaying AIS AtoN on the ECDIS leading (according to Canadian Coast Guard survey) to confusion amongst mariner users.

There is a need to enable a consistent method for the mariner and the ECDIS/radar software to decide whether an AtoN is physical or virtual.

# Coding of MMSI

ITU is proposing to utilize 99MID8xxx for Mobile AtoN (MAtoN), reference (ITU-R M.585.8, October 2019). This is in addition to using 99MID1xxx and 99MID6xxx for regular AtoN. By using 99MID8xxx it is not defined if the aid is physical or virtual solely by the MMSI, as with 99MID1xxx and 99MID6xxx.



By editing ITU-R M.1371-5, Table-74 to include a code 32 MAtoN. This would remove the potential conflicts relating to a group of features in code 31. Filtering/displaying MAtoN should be manageable by ECDIS/radar thereafter.

Maintaining updated software on ECDIS is a SOLAS requirement and vessels can be expected to therefore update their systems. Any changes affecting AIS receivers might have a slower implementation onboard vessels, but seems unavoidable as with similar changes to message 28/29.

# Portrayal of MAtoN

In conjunction with these changes to AIS there is a need for ECDIS to correctly display the MAtoN. IHO therefore will need to:

* Develop a new category for special mark, subcode MAtoN.
* Develop a new topmark for MAtoN portrayal, to be used together with special mark.

# Action requested

The ENAV Committee is requested to:

1. Review the content of this liaison note, and advise on best process for coding/identification/portrayal of MAtoN with regard to MMSI and coding related to ITU-R M.1371-5 and IHO standards.
2. Provide input to the ITU regarding allocation of MMSI with regard to new types of AtoN. The ARM Committee is willing to interface intersessionally by electronic means if so requested.