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| From: ARM Committee | ENAV20-9.8  Formerly ARM5-12.1.9 |
| To: ENAV Committee | 28 October 2016 |

LIAISON NOTE

Suggested Amendments to S-201 Product specification

# Introduction

During its fifth meeting, the ARM Committee considered S-201 Products.

There are a large number of comments and amendments delineated in this liaison note and it is recognised that some of the changes are to information previously provided by ARM/ANM. The ARM Committee has collectively made great leaps in its understanding of S-200, which is why some of this information is now not required.

# S-201 Feature Catalogue

A review of the S-201 Annex A and Annex D were undertaken and a marked up copy is provided as output ARM5-12.1.11 (ENAV20-9.8.2) and ARM5-12.1.12 (ENAV20-9.8.3). In general, ARM5 noted that there appears to be many areas of the feature catalogue that do not have anything to do with the portrayal of AtoN from the perspective of IALA. For example, in section 3, “simple attributes,” section 3.4 speaks of “building shape.” Whilst conspicuous buildings are undoubtedly used for navigation purposes, they are not Marine AtoN as provided by IALA members and therefore, should they be in S-201? They are not the responsibility of competent authorities and may be better elsewhere in S-100?

# S-201 Product Specification

A review of the S-201 Product Specification (PS) was undertaken. Comments are made in the marked up copy of the PS (version 0.0.4) at output ARM5-12.1.10. The following comments are also provided:

* AIS AtoN is completely missing from the S-201 Product Specification, which needs to be rectified. AIS AtoN are sometimes used as AtoN in their own right (physical or virtual) and as equipment on another AtoN, either as a physical equipment fitted to said AtoN, or projected as a virtual AIS symbol.

This needs to be addressed in the S-201 Product Specification, with all relevant information and features added where needed in the appendices. This includes as a category of AtoN in Figure 1 – “Overview” and Figure 2 – Structure Objects, as well as a category of Equipment in Figure 3 – Equipment Objects and Figure 4 – Enumeration. The Feature Catalog and other Appendices will also need to be amended.

* Equipment categories. RACONs are covered in the Product Specification; however, there is no green “box” for a RACON in Figure 3 “Equipment Objects.”
* Fog Signal – In IALA Guideline 1090 published in 2012, IALA uses the term “Audible Signals”. S-201 should also use the new term?
* The ARM Committee is currently developing a guideline for the use of Pictograms on Special Purpose AtoN. Pictograms should be added as a possible feature of Special Purpose marks (Beacons in 4.1 and buoys in 5.6 of Annex A).
* There doesn’t appear to be anywhere in the PS that allows for an indication of serviceability (or otherwise). It would be useful to be able to indicate the serviceability status of an AtoN to the mariner; for instance, whether the light is unlit (when it should be), or a buoy is “off position / station.” This will allow for future opportunity for live update of the ENC.

# Action requested

The ENAV Committee is requested to:

Note the points made by the ARM Committee and rectify S-201, or discuss accordingly. The ARM Committee would welcome the opportunity for a joint S-201 meeting (ARM6).