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| From: DTEC4 | ARM20-8.4.8  (DTEC4-15.3.4) |
| To: ARM20, PAP57 | 27 03 2025 |

LIAISON NOTE

S-100 World from an AtoN Authority Perspective

# INTRODUCTION

DTEC has recognised the urgent need for guidance to IALA members regarding the ongoing development of S-100 data products to support the transfer of information within maritime services.

Based on this, DTEC has commenced work on an information paper that could assist in the planning and implementation to support S-100 from an AtoN Authority Perspective.

# DISCUSSION

DTEC 4 discussed S-100 in light of the recent developments at IMO to realize the full potential of the S-100 based ECDIS (MSC109/19/3).

In particular, the impact on AtoN Authorities and the consequential work required to meet the emerging IMO requirements in a structured approach was discussed. This included the use of generic architectural terms defined in a ‘Services-Data-Connectivity stack’.

* The **Services** domain would include the ‘Maritime Services in the context of e-navigation’ (IMO MSC.1/Circ.1610Rev1, 2024, refers)
* The **Data** domain would include the S-100 world defined data
* The **Connectivity** domain would provide the necessary data messaging means for shore-to-ship/ship-to-shore data exchanges.

IMO MSC 109 agreed to become an associated organ of the development of a comprehensive strategy on maritime digitalization led by the Facilitation Committee (FAL). IMO MSC 109 also agreed to the development of guidance for a framework to support IP based connectivity between shore based facilities and ships.

Subsequently, DTEC has commenced work on an information paper related to the ongoing development of S-100 data products to support the transfer of information within maritime services.

DTEC is aware of similar work in the ARM Committee, and in other committees. To avoid duplication of effort, and to build on the work already carried out on these matters, it is proposed that an asynchronous e-mail correspondence group be commenced. Those who are interested in participating in this correspondence group are asked to contact Mr. Jan-Hendrik Oltmann [Jan-Hendrik.Oltmann@wsv.bund.de](mailto:Jan-Hendrik.Oltmann@wsv.bund.de) .

# ACTION REQUESTED

* Those who are interested in participating in this correspondence group are asked to contact [Jan-Hendrik.Oltmann@wsv.bund.de](mailto:Jan-Hendrik.Oltmann@wsv.bund.de) by 30 April 2025.

**Attachment** - Presentation by Mr. Oltmann on the “Services-Data-Connectivity stack” with additional reference to the IALA IMT for Marine AtoN Workshop in September 2025