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Technical Domain / Task Number 2 …………………………………

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Work on a technical service for provisioning of AtoN information  
(ENAV/ARM TG2.1.1)

# Summary

The joint ENAV/ARM TG2.1.1 is working on specifications of technical services for the promulgation of AtoN information. Annex A constitutes a draft version of such a technical service specification. Work on this will continue in the task group during ARM15 and ENAV29.

# Description of technical service specifications

Two service specifications will be made based on the Maritime Services 12 and 17 (see 2.1).

One technical service specification intended to provide information from AtoN authorities to hydrographic authorities and other stakeholders needing enhanced AtoN information.

One technical service specification intended to provide AtoN information from authorities (possibly hydrographic authorities) to endusers (primarily ECDIS, but also other systems that requires AtoN information, like VTS / port systems).

Both service descriptions would follow the IALA guideline G1128 for the specification of e-navigation technical services.

Recollecting that services specified following G1128 have three levels;

Service specification including the data-model

For each service specification there will be one or more (should be few) technical designs describing how the service will be implemented using specific technologies

For each technical design there will be one or more (probably many) service instances, defining endpoints (addresses - for instance url's) where the specific service following the specific technical design can be found

So, for this work there will be two services which will probably utilize the data-models from S-201 and S-125 respectively.

Annex A is a draft version of the service that is providing AtoN information to end-users and mainly utilizes S-125 as the data model.

## The relationship with Maritime Services (in the context of e-navigation)

It is the expectation that these services would be referenced in several different Maritime Services (as defined by IMO). The service for end users would probably be referenced in for instance MS12 - nautical publications. The service for enhanced AtoN information will probably be referenced from a new proposed Maritime Service (MS17) focusing on the provision of aids to navigation.

The IALA guideline G1128, used for specifying the services, follows the template for technical services (in the context of e-navigation) described in IMO resolution MSC.467(101). Thus this template could in general (also by other organisations - like IHO) be considered to be used when specifying technical services for exchanging S-100 data (or other types of data).

# Action requested of the Committee

To take note of the information. And any interested parties are encouraged to join the task group and contribute to the work.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)