Input paper: [[1]](#footnote-1) VTS43-8.2.2

Input paper for the following Committee(s): check as appropriate Purpose of paper:

**□** ARM **□** ENG **□** PAP **X** Input

**□** ENAV **X** VTS **□** Information

Agenda item [[2]](#footnote-2) 8.2

Technical Domain / Task Number 2 1.1.4

Author(s) / Submitter(s) Malin Dreijer, Fredrik Karlsson (WG1/ MSP1.1.4)

Input for MSP 1-3 Guideline

# Summary

This document is describing the use of the templates as examples in the Annex 1, *MSP 1, Information Service Template*, and Annex 2, *MSP 2, Navigational Assistance Service* Template via use cases. The template is a working document established to identify operational information of existing and future needs within VTS service type. The MSP 3, Traffic Organisation is excluded in the document due to ongoing work in VTS43.

## Purpose of the document

The VTS Committee is invited to give comments and supply further operational information needs on the both templates The incoming feedback will be direct input for a upcoming guideline regarding MSP 1, MSP 2 and MSP 3.

## Related documents

Annex 1, MSP 1, *Information Service Template*Annex 2, *MSP 2, Navigational Assistance Service Template*

# Background

The purpose is to identify operational information needs of VTS services and vessels in VTS areas, based on Resolution A.857 (20) and IALA Guideline No. 1089. The establishment of a structured data set could enable digitalization of information within VTS, and be complementary to the existing system.

The aim is to reduce administrative burden and information overload, reduce miscommunication due to external interference, simplify work procedures, and increase navigational safety.

* 1. The MSP templates is organized into the following:  
     1. Category – a collection of attributes
     2. Attributes – a description of specific information/data, i.e. visibility
     3. Attribute details – a description of attributes, i.e. speed
     4. Attribute units – i.e. knots, m/s, Celsius/Fahrenheit, position
     5. REAL TIME (RT) and/or FORECASTED – if the attribute is in real time or forecasted
     6. GEOMETRY/ COVERAGE – information format

# Discussion

**Use case**

a) MSP 1, Information Service

This is a generic example of an use case for description purposes only. Actions and template categories may differ for different countries.

|  |  |  |  |
| --- | --- | --- | --- |
| Time | Ship Action | VTS Action | Template Info (category [B]) |
| 01:00 | Provides pre-arrival info | Replying with information on weather | Environmental |
| 02:00 | Enters VTS Area, provides sailing route | Traffic information to vessels | Traffic and Route information |
| 02:30 | Passes reporting point line | Provides information on current, e.g. wave height, etc | Hydrographical information |
| 03:30 | Passes second reporting point | Provides information on AtoNs, e.g. lighthouse unlit | Navigation Hazards |
| 04:00 | Before vessel along side | Gives information on wind speeds, visibility | Environmental |

**Description of use case**

The vessel provides pre-arrival information to VTS, such as ETA and destination. The VTS replies, providing information on weather. In the template this is categorized as Environmental information.

After entering the VTS area, the vessel provides its sailing route to the VTS. The VTS responds with traffic information, such as position, identity and intention. In the template this action is categorized as Traffic and Route information.

The vessel passes the reporting point line, upon which the VTS provides information on currents, wave height, etc. In the template this action is categorized as Hydrographical information.

The vessel passes the second reporting point line. The VTS responds by giving information on AtoNs. In the template this action is categorized as Navigation Hazard information.

Before the vessel comes along side, upon which the VTS provides information on speeds and visibility. In the template this action is categorized as Environmental information.

**Use case**

b) MSP 2, Navigation Assistance Service

This is a generic example of an use case for description purposes only. Actions and template categories may differ for different countries.

|  |  |  |  |
| --- | --- | --- | --- |
| Time | VTS Action | Ship Action | Template Info (category[B]) |
| 00:00 | Question: What is your intention? | Provides sailing route | Navigation Information |
| 02:00 | Warning: You are running into danger - shallow waters... | Confirms | Navigational warning |
| 02:10 | Advice: Recommended course to make good... | Confirms | Navigational advice |
| 02:20 | Instruction: Alter course to south-west... | Confirms | Navigational instruction |

**Description of use case**

The VTS requests that the ship states its intention in the VTS area. In response the ship provides its sailing route. In the template this action is categorized as Navigational information.

The VTS gives a warning when the ship has run into shallow waters, upon which the ship confirms that the information has been received. In the template this action is categorized as Navigational warning.

The VTS advices the ship to change course; the ship confirms. In the template this action is categorized as Navigational advice.

The VTS instructs/advice the ship to alter its course, upon which the ship confirms. In the template this action is categorized as Navigational instruction.

Infographic describing above use cases can be find in the link:

[MSP1-3 Infographic](https://indd.adobe.com/view/477dcbc1-4e91-4421-b155-05ab76c52e1d)

# References

1. Resolution A.857(20)
2. IALA Guideline 1089

# Action requested of the Committee

The Committee is requested to:

1. The VTS Committee is invited to give comments and supply further operational information needs on the both templates. The incoming feedback will be direct input for a upcoming guideline regarding MSP 1, MSP 2 and MSP 3.
2. Annexes

Annex 1, MSP 1, Information Service Template (.xlxs)  
Annex 2, MSP 2, Navigational Assistance Service Template (.xlxs)

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