

## Paper for Consideration by S-101PT

### New restriction for areas where power-driven vessels are prohibited

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| <b>Submitted by:</b>      | Sweden  |
| <b>Executive Summary:</b> | It is proposed to add “power-driven vessels prohibited” as a new enumeration for the attribute restriction.   |
| <b>Related Documents:</b> | S-101, S-65 Annex B (S-57 ENC to S-101 Encoding Guidance), S-65 Annex C (S-101 ENC to S-57 Encoding Guidance) |
| <b>Related Projects:</b>  | S-101, ENCWG Conversion Sub-Group   |

#### Introduction / Background

1. During the last two decades, it has been increasingly common that environmental regulatory authorities, in national waters, prohibit vessel traffic for power-driven vessels in shallow areas in order to protect sensitive natural areas. In these areas, vessels are allowed to pass using sail, by rowing or by paddling but not using any kind of engine power.

#### Analysis/Discussion

2. In the current data model, the only way to encode an area where power-driven vessels are prohibited is to encode a *Restricted Area Navigational* with attribute *Restriction* set to *entry restricted*. The attribute *Information* must then be used to specify the actual restriction.
3. Since this restriction directly affects navigation for a vessel, there is a need to clearly specify this restriction. As concluded in the report of the MASS PT, the use of the *Information* attribute, a free text attribute, needs to be reduced to make the information more machine-readable.

#### Conclusions and recommendations

4. A new enumeration value of the attribute *Restriction* for *Restricted Area Navigational* is needed.
5. The enumerations shall have the name “*Power-driven vessels prohibited*” with the definition “An area where vessels propelled by machinery are prohibited”. This definition is in line with the 1972 COLREGS Rule 3 (b) “The term ‘power-driven vessel’ means any vessel propelled by machinery”.
6. With regards to the impact these restricted areas have for the majority of all vessels, these areas need to be symbolized in the same way as restrictions “Entry prohibited” and “Entry restricted”.

#### Justification and Impacts

As a consequence of this proposal, the conversion guidance from S-57 to S-101 and S-101 to S-57 needs to be adjusted accordingly.

#### Action Required of S-101PT

The S-101PT is invited to:

Discuss and agree on this proposal