Proposal for Consideration by TSMAD 21
Victoria (Canada)
29th November – 3rd December 2010

Deficiency Report - Required Addition of a TWRTPT Object to a Traffic Separation Scheme

Submitted by: Canada
Executive Summary: This is a discussion paper proposing the addition of the object class TWRTPT to the traffic separation scheme definition in the "Use of the Object Catalog".
Related Documents: N/A
Related Projects: S-101

Introduction / Background

The following is an extract from the "Use of the Object Catalog" illustrates the features that need to be or should be included in a Traffic Separation Scheme C_AGGR object.

10.2.1   Traffic separation schemes

If it is required to encode a traffic separation scheme, it must be done using **DWRTCL**, **DWRTPT**, **ISTZNE**, **PRCARE, TSELNE, TSEZNE**, **TSSBND**, **TSSCRS**, **TSSLPT**, **TSSRON** objects, and navigational aids objects.

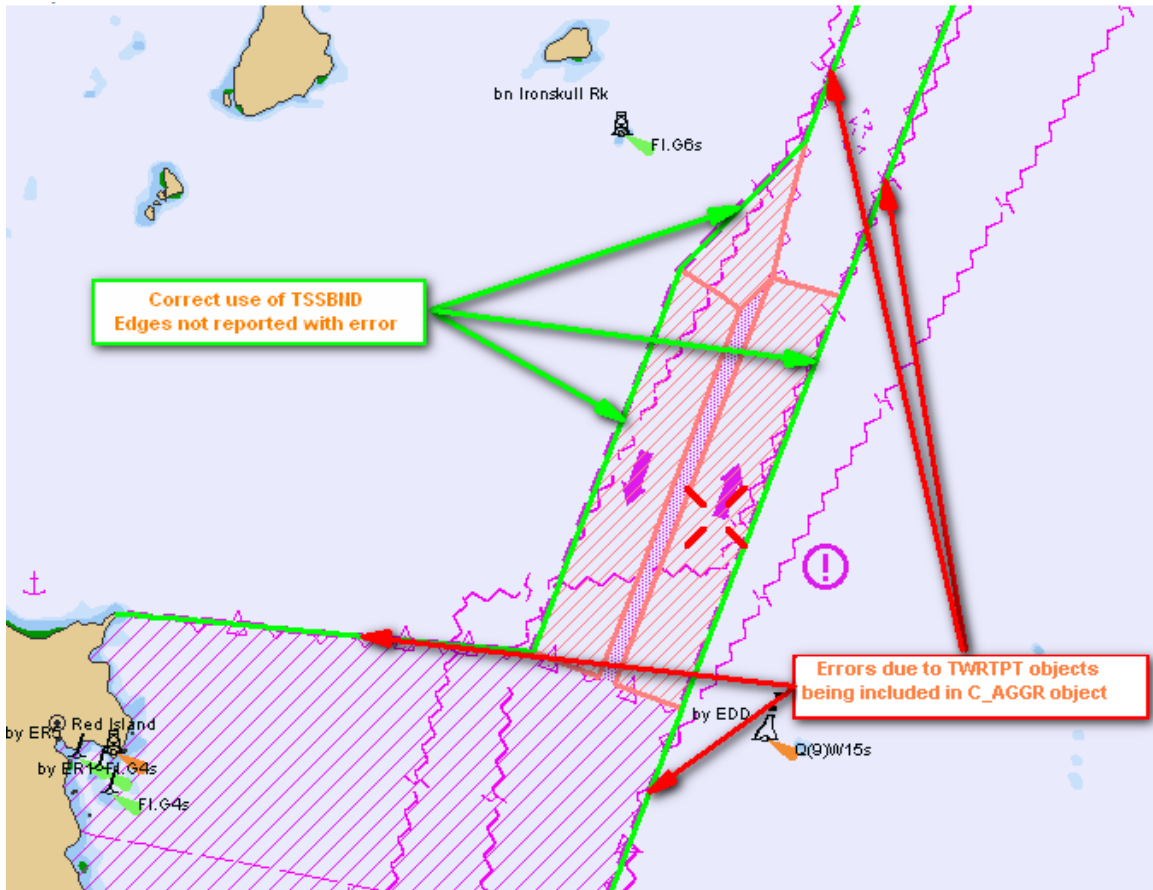The encoding of relationships between these objects is defined in clause 10.2.3.

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10.2.3   Traffic separation scheme systems

To encode a traffic separation scheme (TSS) system, the **DWRTCL, DWRTPT, ISTZNE, PRCARE, TSELNE**, **TSEZNE**, **TSSBND**, **TSSCRS**, **TSSLPT**, **TSSRON** objects, and the navigational aids objects (if they are stated in the regulation defining the TSS or DW), must be aggregated using the collection object **C_AGGR** (see clause 15). The attribute OBJNAM for the **C_AGGR** object is used to encode the name of the TSS, and the attribute INFORM or TXTDSC should be used to encode textual information about the whole TSS.

There exist in Canada many cases that require a "Two-way Route Part" (TWRTPT) object(s) as part of the traffic separation scheme. However, by including objects of this class in the mandatory C_AGGR object, one will receive errors from various ENC validation tools (eg. dkart).

Example of a Traffic Separation Scheme that includes required TWRTPT objects.

Recommendation

It is recommended that the object acronym TWRTPT be included in the S100 definition of a Traffic Separation Scheme as an optional object, in order to address this deficiency.