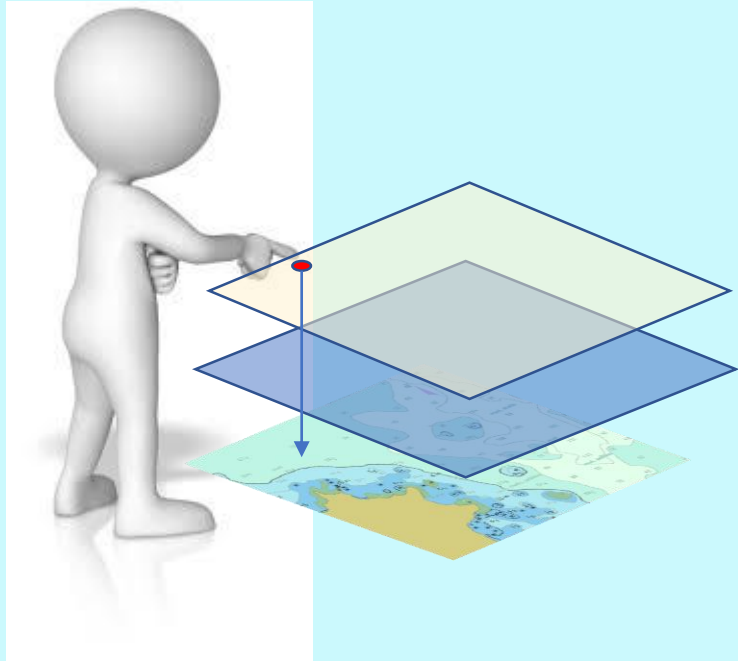


Simple attribute “**interoperabilityIdentifier**”:

- Defined during NIPWG10 by a subgroup looking at use of MRN across IHO
- Concept is to provide a way of providing a join between features defined in different S-100 datasets, which represent the same information
- Information can then be retrieved and formatted during feature interrogation
- Persistent, Unique Identifier.



Example 1:

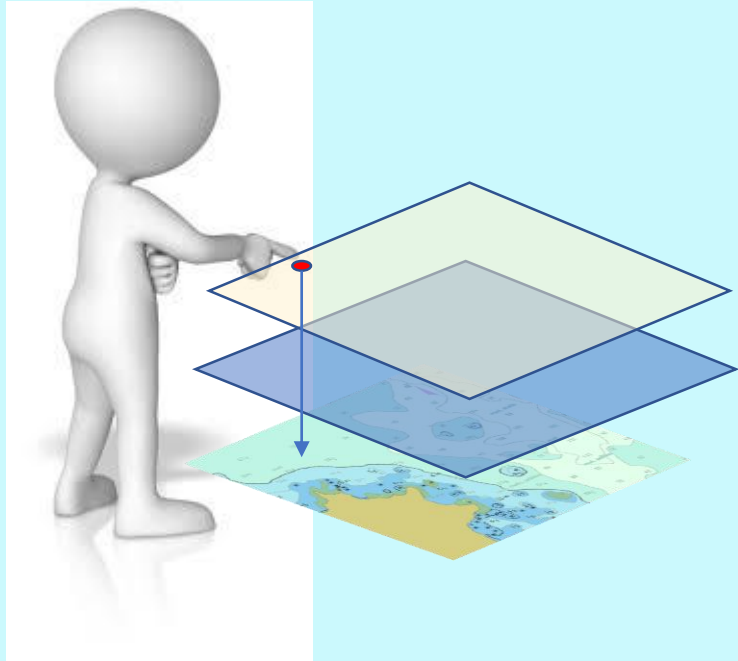
- The Halifax Port information guide describes waiting anchorages (“AnchorageArea” features) within port areas and provides specific port regulations for their use.
- The anchorages are also encoded in S-101 ENC.
- S-131 encodes none of the “AnchorageArea” feature attributes, because all S-131 contains is a geographic location to which the port-specific “Regulations” information type is attached.
- The S-131 feature references the original S-101 feature by referencing its MRN.
- This also provides an audit trail that enables any revisions such as relocations to be tracked and applied to S-131 promptly.

Example 2:

Norwegian National Maritime Traffic Regulation Section 124 – 125. Interoperability identifier:

urn:mrn:iho:no:N004:NationalMarineTrafficReg:124125_20230914_1200

is displayed or linked whenever any feature that includes that MRN as an interoperabilityIdentifier is picked.



1. Proposal is for a concept called **interoperabilityIdentifier**
 - To be used by multiple product specifications as required.
 - For a given feature in a dataset, **interoperabilityIdentifier** will contain an optional list of feature identifiers, potentially contained in different datasets, representing the same feature instance
2. Add S-98 Annex C clause 15-4: Add #11:
 - “When interoperability is enabled by the mariner, the pick report should combine information from different products when picked features include common unique identifier “interoperabilityIdentifier”.
3. S-98 Annex C for S-100 ECDIS to use **interoperabilityIdentifier** as an attribute which joins feature instances in one dataset with features within other dataset(s).
4. In addition to the “pick report”, the S-100 ECDIS will then also display feature information for any features in any dataset matching any of the individual **interoperabilityIdentifier** values.