IHO Definition: **CURRENT (Water Current):** Definition. (Source of definition).

S-10n Geo Feature: Water Current

Primitives: Point, Curve, Surface, Grid

S-10n Attribute	Allowable Encoding Value	Type	Multiplicity
Speed		C	1,1
Speed Value		(S) RE	1,1
Speed Units	1: Metres per second 2: Kilometres per hour 3: Miles per hour 4: Nautical miles per hour (knots)	(S) EN	1,1
Speed Uncertainty		C	0,1
Speed Value		(S) RE	0,1
Speed Units	1: Metres per second 2: Kilometres per hour 3: Miles per hour 4: Nautical miles per hour (knots)	(S) EN	0,1
Direction		C	1,1
Azimuth Degrees		(S) RE	1,1
Direction Uncertainty		C	0,1
Azimuth Degrees		(S) RE	0,1
Time		C	1,1
Valid Time		(S)DT	1,1
Age (of Fcst, Obs, etc.)		(S)DT	1,1
Depth		C	1,1
Actual Depth		(S)RE	1,1
Layer Depth	1: 0 to 5 metres 2: 0 to 12 metres 3: 0 to 25 metres	(S)EN	1,1
Type		C	1,1
Composition	1: Tidal 2: Total	(S)EN	1,1
Character	1: Prediction (Tide only) 2: Observation 3: Forecast (Tide plus meteorological and other forcing)	(S)EN	1,1
Source		C	1,1
Country		TE	1,1
Agency (or Entity)		TE	1,1

X.X.X Sub-clause heading(s)

Introductory remarks. Includes information regarding the real world entity/situation requiring the encoding of the Feature in the ENC, and where required nautical cartographic principles relevant to the Feature to aid the compiler in determining encoding requirements.

Specific instructions to encode the feature.

Remarks:
- Additional encoding guidance relevant to the feature.

- Current direction is reckoned from clockwise from North.

X.X.X.X Sub-sub-clause heading(s)

Clauses related to specific encoding scenarios for the Feature. (Not required for all Features).

Remarks:
- Additional encoding guidance relevant to the scenario (only if required).

Distinction: List of features in the Product Specification distinct from the Feature.