

## Change Request (CR)



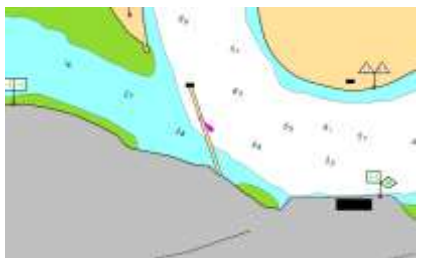
0	<b>Title:</b> Acqueduct <b>CR number:</b> 379 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following website:</i> <a href="http://eq.ris.eu/common_issues/node/757">http://eq.ris.eu/common_issues/node/757</a>		
1	<b>Encoding Guide Edition 2.4.0 Request for:</b> <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.4 corr 2</b>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3 on this page)</i> <input checked="" type="checkbox"/> for a new page in section G.1 (e.g.: E.1) of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input checked="" type="checkbox"/> Definition <input checked="" type="checkbox"/> Picture: <input checked="" type="checkbox"/> real world <input checked="" type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input checked="" type="checkbox"/> Object coding of object class bridge <input type="checkbox"/> Illustration		
4	Proposed addition/change: Add S-57 enumeration 11 (acqueduct) for CATBRG on the Feature Catalogue Add Section G.1.13 for Acqueduct on the Encoding Guide		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: At the moment an acqueduct is only addressed on the Product Specifications if it is an exceptional navigational structure. It is necessary to encode regular acqueducts.		
7	Proposed amendments to the Feature Catalogue: add CATBRG_11 from S-57		
8	Proposed amendments to the Inland ENC domain in the S-100 registry: ....		
9	Proposed amendments to the Recommended Validation Checks for IENCs: add CATBRG 11 for bridge		
10	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>		
11	Name of sender: Flávia Mandarino Name of authority or company: DHN e-mail address: flavia@marinha.mil.br Date (YYYYMMDD): 20171031	Deadline for comments 20171212 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.	

## G - Ports, Waterways

### G.1 Bridges, Tunnels, Overhead Obstructions

#### G.1.13 Non-navigable Aqueduct (O)

A bridge supporting an artificially elevated channel, for the conveyance of water. (adapted from The New Shorter Oxford English Dictionary, 1993)

Graphics	Encoding Instructions	Object Encoding
<p><i>Real World</i></p>  <p><i>Chart Symbol</i></p>  <p><i>IENC Symbolization</i></p> 	<p>A) Pylons shall be encoded as PYLONS (refer to G.1.10 – Pylons, Piers and Bridge, Cable, Pipeline Support).</p> <p>B) Create separate bridge objects for spans over navigable channel when attributes of navigable spans are different (e.g. vertical clearance, horizontal clearance).</p> <p>C) Place LIGHTS, if applicable, on navigable span and piers bounding the navigable span.</p> <p>D) VERCLR, HORCLR, VERCCL and/or VERCOP, 'wtwdis' and 'hunints' must be encoded for aqueducts over navigable water.</p> <p>E) VERCLR should not be encoded for aqueducts over non-navigable water.</p> <p>F) All objects of a bridge which belong to one bridge must be combined to one aggregation area (C_AGGR) (e.g. pylons, lights, notice marks).</p> <p>G) For bridges that consist of only one feature the object name of the bridge is assigned to the bridge object. For bridges with a C_AGGR object the object name has to be assigned to the respective C_AGGR object the object name has to be assigned to the respective C_AGGR object and not to the bridge object.</p> <p>H) Use 'verdat' only if vertical datum differs from DSPM VDAT subfield and from Meta object 'm_vdat' attribute.</p>	<p><b>Object Encoding</b></p> <p><b>Object Class</b> = bridge (A)</p> <p>(M) CATBRG = [11 (aqueduct)]</p> <p>(C) HORCLR = [xx.x] (metres), e.g., 34.2</p> <p>(C) VERCLR = [xx.xx] (metres), e.g., 13.27</p> <p>(C) VERCCL = [xx.x] (metres), e.g., 13.2</p> <p>(C) VERCOP = [xx.x] (metres), e.g., 23.4</p> <p>(C) verdat = [12 (Mean lower low water), 31 (Local low water reference level), 32 (Local high water reference level), 33 (Local mean water reference level), 34 (Equivalent height of water (German GIW)), 35 (Highest Shipping Height of Water (German HSW)), 36 (Reference low water level according to Danube Commission), 37 (Highest shipping height of water according to Danube Commission), 38 (Dutch river low water reference level (OLR)), 39 (Russian project water level), 40 (Russian normal backwater level), 41 (Ohio River Datum), 42 (Approximate LAT), 43 (Dutch High Water Reference Level (MHW)), 44 (Tweede Algemene Waterpassing)]</p> <p>(C) unlocd = [ISRS code]</p> <p>(C) wtwdis = [xxxx.xxx] (units defined in hunints), e.g., 2451.732</p> <p>(C) hunints = [3 (kilometres), 4 (hectometres), 5 (statute miles), 6 (nautical miles)]</p> <p>(C) refgag = (Refer to letter K)</p> <p>(C) PICREP = (Refer to Section B, General Guidance)</p> <p>(O) CONDTN = [1 (under construction), 2 (ruined), 3 (under reclamation), 5 (planned construction)]</p> <p>(M) SCAMIN = [90000]</p> <p>(C) SORDAT = [YYYYMMDD]</p>

	<p>I) For Notice marks on bridges see O.3.2.</p> <p>J) If there is no vertical clearance indicator at a bridge, but there is a gauge which can be used to calculate the vertical clearance of the bridge depending on the water level, it should be encoded in accordance with I.3.4.</p> <p>K) EU: If there is a gauge which can be used to calculate the vertical clearance of the aqueduct, the ISRS Location Code of the gauge shall be encoded in the attribute refgag.</p>	<p>(C) SORIND = (Refer to Section B, General Guidance)</p> <p><b><u>Object Encoding</u></b></p> <p>Object Class = C_AGGR()</p> <p>(M) OBJNAM = [name of the aqueduct]</p> <p>(O) NOBJNM = (Refer to Section B, General Guidance)</p> <p>(C) unlocd = [ISRS code]</p> <p>(C) SORDAT = [YYYYMMDD]</p> <p>(C) SORIND = (Refer to Section B, General Guidance)</p>
--	--	--

## Change Request (CR)

0	<b>Title:</b> Alignment with CEVNI rev.5 <b>CR number:</b> 383 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4 Request for:</b> (please enter the last published edition of the Encoding Guide) <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input checked="" type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.4 corr2</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	<b>Sections C to U</b>  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input checked="" type="checkbox"/> referring to section AA (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> For catnmk ID 2 add "A.1.1" in column CEVNI. For catnmk ID 102 replace "vessels" with "small craft" in the second and in the last column.		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file:		
6	<b>Explanation, why this amendment/change is needed:</b> The European Inland ECDIS expert group has identified some inconsistencies between CEVNI, the European Code for Inland Waterways, and the Product Specification for Inland ENCs regarding the meaning of notice marks. The EG, the FC and the registry have to be brought in line with the official text of the European traffic regulation.		
7	<b>Proposed amendments to the Feature Catalogue:</b> Add "Source: CEVNI" to the following catnmk enumerations: 1-77, 84-86 and 90-121. Enumeration 1: add "(general sign)" at the end of the existing definition. Enumeration 2: replace "A.1a" with "A.1.1" in the name and in the definition. Enumerations 42 and 43: add a semicolon and the following sentence at the end of the existing definitions: "the figure shown on the sign indicates the distance in metres, measured from the sign, to which vessels should keep". Enumeration 91: add "supply" at the end of the existing definition. Enumeration 101: add "craft" at the end of the existing name and at the end of the existing definition. Enumeration 102: replace "vessels" with "small craft" in the existing name and in the existing definition. Enumeration 119: replace "E.27" with "E.26.1" in the existing name and in the existing definition. Enumeration 120: replace "E.28" with "E.27" in the existing name and in the existing definition.		

	<p>Enumeration 121: replace "E.29" with "E.27.1" in the existing name and in the existing definition.</p> <p>Enumeration 122: replace "E.30" with "E.6.1" in the name and in the definition.</p>	
8	<p>Proposed amendments to the Inland ENC domain in the S-100 registry: Add "Source: CEVNI" to the following catnmk enumerations: 1-77, 84-86 and 90-121.</p> <p>Enumeration 1: add "(general sign)" at the end of the existing definition.</p> <p>Enumeration 2: replace "A.1a" with "A.1.1" in the name and in the definition and align definition with the FC.</p> <p>Enumerations 6-8 and 11: align definitions with the FC.</p> <p>Enumeration 21: delete "prohibited" in the name and in the definition.</p> <p>Enumerations 25-30: replace "channel" with "fairway" in the definitions.</p> <p>Enumerations 42 and 43: add a semicolon and the following sentence at the end of the existing definitions: "the figure shown on the sign indicates the distance in metres, measured from the sign, to which vessels should keep".</p> <p>Enumerations 44, 45: align definition with FC.</p> <p>Enumeration 55: align name and definition with FC.</p> <p>Enumerations 58-73 and 75-89: align definitions with FC.</p> <p>Enumeration 91: add "supply" at the end of the existing definition.</p> <p>Enumeration 101: add "craft" at the end of the existing name and at the end of the existing definition.</p> <p>Enumeration 102: replace "vessels" with "small craft" in the existing name and in the existing definition.</p> <p>Register the enumerations 117-121 as amended in the FC by this CR.</p>	
9	Proposed amendments to the Product Specification for Inland ENCs (main document): ---	
10	Proposed amendments to the Recommended Validation Checks for IENCs: ---	
11	<p>Proposed symbol(s):</p> <p>Attach the file to the form, please. Name of file: ---</p>	
12	<p>Proposed applicability: <i>mark all applicable boxes</i></p> <p><input type="checkbox"/> US</p> <p><input checked="" type="checkbox"/> Europe (without Russia)</p> <p><input type="checkbox"/> Russia</p> <p><input type="checkbox"/> South America</p> <p><input type="checkbox"/> Asia</p> <p><i>(description of another area of applicability, e.g. a country)</i></p>	
13	<p>Name of sender: Bernd Birkhuber</p> <p>Name of authority or company: Federal Ministry of Transport, Innovation and Technology</p> <p>e-mail address: bernd.birkhuber@bmvit.gv.at</p> <p>Date (YYYYMMDD): 20180808</p>	<p>Deadline for comments 20180920 (6 weeks)</p> <p>To be filled in by a member of the Core Group:</p> <p><input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected</p> <p>Will become part of edition 2.5 of the EG.</p>

0	<b>Title:</b> Add attributes for product parameters m_sdat <b>CR number:</b> 384 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCugbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCugbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input checked="" type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.4</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input checked="" type="checkbox"/> referring to page(s) C.1.4, G.1.1; G.1.2; G.1.3; G.1.4; G.1.5; G.1.6; G.1.8; G.1.9; G.1.11; G.1.12; G.3.3; G.3.4; G.3.20; G.4.5; G.4.8; G.4.9  <i>(e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section <i>(e.g.: E.1)</i> of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input checked="" type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> Request to add enumerations 23 (Lowest astronomical tide) and 24(Local datum) to the attribute verdat for the features m_sdat, bridge, cblohd, pipohd, convyr, cranes, vehtrf, gatcon, excnst		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file: not applicable		
6	<b>Explanation, why this amendment/change is needed:</b> In Belgium the products in the estuarian area have a bathymetric reference level of LAT and the vertical levels are local heights		
7	<b>Proposed amendments to the Feature Catalogue:</b> Request to add enumerations 23 (Lowest astronomical tide) and 24(Local datum) to the attribute verdat for the features m_sdat, bridge, cblohd, pipohd, convyr.		

	cranes, vehtrf, gatcon, excnst
8	Proposed amendments to the Inland ENC domain in the S-100 registry: verdat enumerations 42, 43 and 44 have still to be registered
9	Proposed amendments to the Product Specification for Inland ENCs (main document):
10	Proposed amendments to the Recommended Validation Checks for IENCs: add enumerations 23 and 24 to verdat for m_sdat
11	Proposed symbol(s): Attach the file to the form, please. Name of file: not applicable
12	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>
13	<div> Name of sender: Wesly Backers  Name of authority or company: Flemish Hydrography  e-mail address:  wesly.backers@mow.vlaanderen.be  Date (YYYYMMDD): 20181031 </div> <div> Deadline for comments 20181212 (6 weeks)   To be filled in by a member of the Core Group:  <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected  Will become part of edition 2.5 of the EG. </div>

See also CR 343



## Change Request (CR)

0	<b>Title:</b> Correction enumeration verdat in the feature catalogue <b>CR number:</b> 385 <b>Version:</b> 1 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.4</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input type="checkbox"/> referring to page(s) <i>(e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section <i>(e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> Correction: remove verdat value 44 in all features in the feature catalogue. This value has been deleted in the past but not removed in the FC.		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file: not applicable		
6	<b>Explanation, why this amendment/change is needed:</b>		
7	<b>Proposed amendments to the Feature Catalogue:</b> Remove verdat value 44 in all features in the feature catalogue. This value has been deleted in the past but not removed in the FC. Also delete the value in the enumeration of the verdat attribute		
8	<b>Proposed amendments to the Inland ENC domain in the S-100 registry:</b>		
9	<b>Proposed amendments to the Product Specification for Inland ENCs (main document):</b>		
10	<b>Proposed amendments to the Recommended Validation Checks for IENCs:</b>		
11	<b>Proposed symbol(s):</b> Attach the file to the form, please. Name of file: not applicable		
12	<b>Proposed applicability: mark all applicable boxes</b> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>		
13	Name of sender: Gert Morlion Name of authority or company: De Vlaamse Waterweg	Deadline for comments 20180107 (6 weeks)  To be filled in by a member of the Core Group:	



<p>e-mail address: gert.morlion@vlaamsewaterweg.be Date (YYYYMMDD): 20181126</p>	<p><input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.</p>
--	--

## Change Request (CR)

0	<b>Title:</b> Adding new category of notice mark <b>CR number:</b> 386 <b>Version:</b> 1 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.5 Request for:</b> (please enter the last published edition of the Encoding Guide) <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.5</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	Section V to Z and Annexes AA to AF This is a request <input checked="" type="checkbox"/> referring to section AA (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change: Add new category of notice mark to enumeration		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: The new Rhine Police Regulations have amended a new notice mark B.12 which indicates that the use of the power supply is obliged.		
7	Proposed amendments to the Feature Catalogue:  Add a new category of notice mark (page 375):  Code: catnmk_123 Name: (B.12) Obligation to use onshore power supply point Definition: Regulation mark B.12: Obligation to use onshore power supply point (all vessels are obligated to use the power supply for their electrical power needs)		
8	Proposed amendments to the Inland ENC domain in the S-100 registry: Add new category of notice mark  Associated attribute: categoryOfNoticeMark CodeID: ObligationToUseOnshorePowerSupplyPoint Name: (B.12) Obligation to use onshore power supply point Definition: Regulation mark B.12: Obligation to use onshore power supply point Definition Source: CEVNI and Rhine Police Regulation		
9	Proposed amendments to the Product Specification for Inland ENCs (main document): ---		

10	Proposed amendments to the Recommended Validation Checks for IENCs: add the new enumeration of category of notice mark	
11	Proposed symbol(s): Attach the file to the form, please. Name of file: B.12.png	
12	Proposed applicability: <i>mark all applicable boxes</i> <input type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input type="checkbox"/> Russia <input type="checkbox"/> South America <input type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: Gert Morlion, amendment by Bernd Birkhuber Name of authority or company: De Vlaamse Waterweg e-mail address: gert.morlion@vlaamsewaterweg.be Date (YYYYMMDD): 20180128	Deadline for comments 20190312 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

## Change Request (CR)

0	<b>Title:</b> category of bunker <b>CR number:</b> 387 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.5 Request for:</b> (please enter the last published edition of the Encoding Guide) <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input checked="" type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.5</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) G.3.2 (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	Section V to Z and Annexes AA to AF This is a request <input type="checkbox"/> referring to section AA (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> Delete value 4 of category of bunker in the enumeration for G.3.2 - Bunker/Fuelling station		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file:		
6	<b>Explanation, why this amendment/change is needed:</b> Category of bunker with the value 4 is referring to a power supply which is defined in G.3.26 as a separate feature		
7	<b>Proposed amendments to the Feature Catalogue:</b>		
8	<b>Proposed amendments to the Inland ENC domain in the S-100 registry:</b>		
9	<b>Proposed amendments to the Product Specification for Inland ENCs (main document):</b> ---		
10	<b>Proposed amendments to the Recommended Validation Checks for IENCs:</b> ---		
11	<b>Proposed symbol(s):</b> Attach the file to the form, please. Name of file:		
12	<b>Proposed applicability: mark all applicable boxes</b> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia (description of another area of applicability, e.g. a country)		
13	<b>Name of sender:</b> Gert Morlion <b>Name of authority or company:</b> De Vlaamse Waterweg	<b>Deadline for comments</b> 20190311 (6 weeks)  <b>To be filled in by a member of the Core Group:</b> <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected	

	e-mail address: gert.morlion@vlaamsewaterweg.be Date (YYYYMMDD): 20180128	Will become part of edition 2.5 of the EG.
--	---	--

## Change Request (CR)

0	<b>Title:</b> Additional Values for Facility Types <b>CR number:</b> 388 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.5 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input checked="" type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input type="checkbox"/> referring to page(s) <i>(e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section <i>(e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input checked="" type="checkbox"/> referring to section AF <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> Page 302 "element facility/type - facets"- Add the following facility types: <ul style="list-style-type: none"> <li>• Navigation Surveillance</li> <li>• Waterway Authority</li> <li>• RIS Provider</li> <li>• Environmental Agency</li> <li>• Customs</li> <li>• Safety Inspection</li> <li>• Harbour</li> <li>• Vessel Traffic Center</li> <li>• Hydrometeo Center</li> <li>• Ship Lift</li> </ul>		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file:		
6	<b>Explanation, why this amendment/change is needed:</b> Within European project RIS COMEX there is the request to provide contact and opening hours information for several organisations related to IWT. This can be best done with the existing facility file XSD. The above mentioned organisations are relevant to RIS users, but not yet part of the available facility types.		
7	<b>Proposed amendments to the Feature Catalogue:</b>		
8	<b>Proposed amendments to the Inland ENC domain in the S-100 registry:</b>		
9	<b>Proposed amendments to the Product Specification for Inland ENCs (main document):</b>		
10	<b>Proposed amendments to the Recommended Validation Checks for IENCs:</b>		

11	Proposed symbol(s): Attach the file to the form, please. Name of file:	
12	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: Jonathan Gallagher Name of authority or company: viadonau - Österreichische Wasserstraßen Gesellschaft mbH e-mail address: jonathan.gallagher@viadonau.org Date (YYYYMMDD): 20190502	Deadline for comments 20190613 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.



## Change Request (CR)

0	<b>Title:</b> Clarification of time specification in Facility Files <b>CR number:</b> 389 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.5 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input checked="" type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input type="checkbox"/> referring to page(s) <i>(e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section <i>(e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input checked="" type="checkbox"/> referring to section AF <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> Page 316 "element TTimeFrame/end" - Add item: remark The endtime 00:00:00 refers to the end of the day. A timeframe with starttime 00:00:00 and endtime 00:00:00 translates to a 24 hour period or the whole day and is similar to the notation 00:00:00 to 24:00:00.		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file:		
6	<b>Explanation, why this amendment/change is needed:</b> In the European project RIS COMEX several partners pointed out that the notation 00:00:00 to 00:00:00 indicating a 24 hour period is ambiguous. It should be clarified in the Encoding Guide that this notation translates to 00:00 - 24:00 hours.		
7	<b>Proposed amendments to the Feature Catalogue:</b>		
8	<b>Proposed amendments to the Inland ENC domain in the S-100 registry:</b>		
9	<b>Proposed amendments to the Product Specification for Inland ENCs (main document):</b>		
10	<b>Proposed amendments to the Recommended Validation Checks for IENCs:</b>		
11	<b>Proposed symbol(s):</b> Attach the file to the form, please. Name of file:		
12	<b>Proposed applicability: mark all applicable boxes</b> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>		

13	<p>Name of sender: Jonathan Gallagher  Name of authority or company: viadonau - Österreichische Wasserstraßen Gesellschaft mbH  e-mail address: jonathan.gallagher@viadonau.org  Date (YYYYMMDD): 20190502</p>	<p>Deadline for comments 20190613 (6 weeks)</p> <p>To be filled in by a member of the Core Group:  <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected  Will become part of edition 2.5 of the EG.</p>
----	--	---

## Change Request (CR)

0	<b>Title:</b> Align file naming convention for overlay cells in PS with IENC EG <b>CR number:</b> 390 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition</b> <b>Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input type="checkbox"/> referring to page(s) <i>(e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section <i>(e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> The third character in the file name of data set files indicates the navigational purpose. In the PS under 5.6.3 it is specified that the letter "L" refers to overlay cells. The letter "L" should be replaced by the letter "A" to be in line with the EG.		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file:		
6	<b>Explanation, why this amendment/change is needed:</b> With regards to the naming convention for overlay cells, the PS under 5.6.3 is not consistent with the EG and the existing practice as well as with the current configuration in IENC production software. Also the PS under 2.1 states to use the letter "A" for overlay cells. Therefore "A" should also be used in the PS 5.6.3.		
7	<b>Proposed amendments to the Feature Catalogue:</b>		
8	<b>Proposed amendments to the Inland ENC domain in the S-100 registry:</b>		
9	<b>Proposed amendments to the Product Specification for Inland ENCs (main document): 5.6.3</b>		
10	<b>Proposed amendments to the Recommended Validation Checks for IENCs:</b>		
11	<b>Proposed symbol(s):</b> Attach the file to the form, please. Name of file:		
12	<b>Proposed applicability: mark all applicable boxes</b> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>		

13	<p>Name of sender: Jonathan Gallagher  Name of authority or company: viadoau - Österreichische Wasserstraßen Gesellschaft mbH  e-mail address: jonathan.gallagher@viadonau.org  Date (YYYYMMDD): 20190523</p>	<p>Deadline for comments 20190704 (6 weeks)</p> <p>To be filled in by a member of the Core Group:  <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected  Will become part of edition 2.5 of the EG.</p>
----	---	---

## Change Request (CR)

0	<b>Title:</b> Correction mandatory attributes in the Product Specification for bathymetric Inland ENCs <b>CR number:</b> 391 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition</b> <b>Request for:</b> (please enter the last published edition of the Encoding Guide) <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	Section V to Z and Annexes AA to AF  This is a request <input type="checkbox"/> referring to section (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> In the Product Specification for bathymetric Inland ENCs under 3.5.2 it is specified that for feature M_QUAL the attributes CATZOC or POSACC and SOUACC has to be encoded mandatory. To be in line with the Product Specification for Inland ENCs for the feature M_QUAL either CATZOC or TECSOU should be used.		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file:		
6	<b>Explanation, why this amendment/change is needed:</b> The PSproduct Specification for bathymetric Inland ENCs under 3.5.2 is not consistent with the Product Specification for Inland ENCs Edition 2.4.		
7	<b>Proposed amendments to the Feature Catalogue:</b>		
8	<b>Proposed amendments to the Inland ENC domain in the S-100 registry:</b>		
9	<b>Proposed amendments to the Product Specification for Inland ENCs (main document):</b>		
10	<b>Proposed amendments to the Recommended Validation Checks for IENCs:</b>		
11	<b>Proposed symbol(s):</b> Attach the file to the form, please. Name of file:		
12	<b>Proposed applicability: mark all applicable boxes</b> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia (description of another area of applicability, e.g. a country)		

13	<p>Name of sender: Johannes Nemeth  Name of authority or company: viadonau - Österreichische Wasserstraßen Gesellschaft mbH  e-mail address: johannes.nemeth@viadonau.org  Date (YYYYMMDD): 20190805</p>	<p>Deadline for comments 20190916 (6 weeks)</p> <p>To be filled in by a member of the Core Group:  <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected  Will become part of edition 2.5 of the EG.</p>
----	--	---

## Change Request (CR)

0	<b>Title:</b> Use of DEPCNT in Europe <b>CR number:</b> 392 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4.1 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input checked="" type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input checked="" type="checkbox"/> referring to page(s) I.2.1 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input checked="" type="checkbox"/> Coding instruction lit. B <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> B) EU: depth contours shall be encoded between different depth areas to allow the Inland ECDIS to highlight the safety depth selected by the skipper.		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file:		
6	<b>Explanation, why this amendment/change is needed:</b> Page I.2.1 of the Encoding Guide for Depth Contours is currently only containing an Encoding Instruction for the US. A general discussion has shown that the feature depth contour shall also be encoded in Europe. It is used by applications to highlight the safety contour selected by the skipper.		
7	<b>Proposed amendments to the Feature Catalogue:</b>		
8	<b>Proposed amendments to the Inland ENC domain in the S-100 registry:</b>		
9	<b>Proposed amendments to the Product Specification for Inland ENCs (main document):</b>		
10	<b>Proposed amendments to the Recommended Validation Checks for IENCs:</b>		
11	<b>Proposed symbol(s):</b> Attach the file to the form, please. Name of file:		
12	<b>Proposed applicability: mark all applicable boxes</b> <input type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input type="checkbox"/> Russia <input type="checkbox"/> South America <input type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>		



13	Name of sender: Bernd Birkhuber Name of authority or company: BMVIT e-mail address: bernd.birkhuber@bmvit.gv.at Date (YYYYMMDD): 20190812	Deadline for comments 20190924 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.
----	--	--

## Change Request (CR)

0	<b>Title:</b> Correction of NEWOBJ in the Feature Catalogue <b>CR number:</b> 393 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4.1 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.4corr2</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input type="checkbox"/> referring to page(s) <i>(e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section <i>(e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change:		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: NEWOBJ is a S-57 feature with the code 163. In the IENC Feature Catalogue it is shown with the code 18005 which is the code of the feature lg_drt. This is a mistake. The S-57 code has to be shown for a S-57 feature.		
7	Proposed amendments to the Feature Catalogue: Replace the code "18005" with the code "163" for the feature "NEWOBJ" in the Feature Catalogue.		
8	Proposed amendments to the Inland ENC domain in the S-100 registry:		
9	Proposed amendments to the Product Specification for Inland ENCs (main document):		
10	Proposed amendments to the Recommended Validation Checks for IENCs:		
11	Proposed symbol(s): Attach the file to the form, please. Name of file:		
12	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>		
13	Name of sender: Bernd Birkhuber Name of authority or company: BMVIT		Deadline for comments 20190924 (6 weeks)

	e-mail address: bernd.birkhuber@bmvit.gv.at Date (YYYYMMDD): 20190812	To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.
--	--	--

## Change Request (CR)

0	<b>Title:</b> Accuracy information <b>CR number:</b> 394 <b>Version:</b> 1 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.5 Request for:</b> (please enter the last published edition of the Encoding Guide) <input checked="" type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.5</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input checked="" type="checkbox"/> for a new page in section C.1 (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	Section V to Z and Annexes AA to AF This is a request <input type="checkbox"/> referring to section AA (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input checked="" type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change: Add the S-57 feature M_ACCY with the appropriate attributes to indicate the overall uncertainty of position information in an area		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: For autonomous navigation, the systems need to know the accuracy of the features in the IENC.		
7	Proposed amendments to the Feature Catalogue: - add to the Feature Catalogue 2.5 the S-57 feature M_ACCY, the S-57 attributes HORACC, VERACC and the new attribute CATTEV; - add to the S-401 Feature Catalogue the S-101 feature AccuracyOfData, together with the attributes categoryOfTemporalVariation, horizontalDistanceUncertainty, verticalDistanceUncertainty, uncertaintyVariableFactor, orientationUncertainty, uncertaintyFixed;		
8	Proposed amendments to the Inland ENC domain in the S-100 registry:		
9	Proposed amendments to the Product Specification for Inland ENCs (main document): ---		
10	Proposed amendments to the Recommended Validation Checks for IENCs: add to the Feature Catalogue 2.5 the S-57 feature M_ACCY, the S-57 attributes HORACC, VERACC and the new attribute CATTEV; - add to the S-401 Feature Catalogue the S-101 feature AccuracyOfData, together with the attributes categoryOfTemporalVariation, horizontalDistanceUncertainty, verticalDistanceUncertainty, uncertaintyVariableFactor, orientationUncertainty, uncertaintyFixed;		
11	Proposed symbol(s): Attach the file to the form, please. Name of file:		

12	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: Gert Morlion Name of authority or company: De Vlaamse Waterweg e-mail address: gert.morlion@vlaamsewaterweg.be Date (YYYYMMDD): 20190819	Deadline for comments 20190930 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

## C - IENC Meta Information

### C.1 Meta Features

#### C.1.9 Quality of Non-Bathymetric Data (O)

An area within which the best estimate of the overall accuracy of the data is uniform. The overall accuracy takes into account for example the source accuracy, chart scale, digitising accuracy, etc.

Graphics	Encoding Instructions	Object Encoding
	<p>A. The accuracy of data is only encoded in those areas where accuracy of data is available and clearly defined.</p> <p>B. If a structured external XML-file with more detailed accuracy information is available, the reference to the file has to be entered in the TXTDSC attribute.</p>	<p><u>Object Encoding</u></p> <p>Object Class = M_ACCY(A)</p> <p>(M) CATTEV = [4 (likely to change), 5 (unlikely to change), 6 (unassessed)]</p> <p>(O) HORACC = [x.xx] (metres), The best estimate of the horizontal accuracy of horizontal clearances and distances.</p> <p>Minimum value: 0; Resolution: 0.1 m</p> <p>(O) VERACC = [x.xx] (metres), The best estimate of the accuracy of a position. The expected input is the maximum of the two-dimensional error. The error is assumed to be positive and negative. The plus/minus character shall not be encoded.</p> <p>Minimum value: 0; Resolution: 0.1 m</p> <p>(O) POSACC = [xxxx.x] (metres), The best estimate of the accuracy of a position.</p> <p>Minimum value: 0; Resolution: 0.1 m</p> <p>(O) SOUACC = [x.xx] The best estimate of the accuracy of the sounding data.</p> <p>Minimum value: 0; Resolution: 0.1 m</p> <p>(O) NINFOM = (Refer to Section B, General Guidance)</p> <p>(O) TXTDSC = (Refer to letter B)</p> <p>(C) SORDAT = [YYYYMMDD]</p> <p>(C) SORIND = (Refer to Section B, General Guidance)</p>

Feature Catalogue:

Feature	Accuracy of data
---------	------------------

Acronym: M\_ACCY

Code: 300

Type: M

Primitive: A

Data Dictionary (DD) Reference:

DD Name: HYDRO

Date accepted: 2000-11-01

Definition: An area within which the best estimate of the overall accuracy of the data is uniform. The overall accuracy takes into account for example the source accuracy, chart scale, digitising accuracy etc.

Attribute Bindings:

acronym      usage      constraints

POSACC      O      unit = "m" decimal digits = "2"

SOUACC      O      unit = "m" decimal digits = "2"

HORACC      O      format = "xx.x", unit defined in HUNI subfield of the DSPM record or in the HUNITS attribute of the M\_UNIT meta object class, e.g. metre (m)

VERACC      O      format = "xx.x", unit defined in HUNI subfield of the DSPM record or in the HUNITS attribute of the M\_UNIT meta object class, e.g. metre (m)

CATTEV      M      4, 5, 6

INFORM      O

NINFOM      O



acronym	usage	constraints
TXTDSC	O	
SORDAT	C	format = "ccyymmdd"
SORIND	C	format = "cc,cc,cccc,c..."
NTXTDS	O	

Attribute	Horizontal Accuracy
-----------	---------------------

Acronym: HORACC

Code: 97

Use Type: F,S

Value Type: F

Data Dictionary (DD) Reference:

DD Name: HYDRO      Date accepted: 2000-11-01

Definition: The best estimate of the horizontal accuracy of horizontal clearance and distances.

Attribute	Vertical Accuracy
-----------	-------------------

Acronym: VERACC Code: 180

Use Type: F,S

Value Type: F

Data Dictionary (DD) Reference:

DD Name: HYDRO Date accepted: 2000-11-01

Definition: The best estimate of the vertical accuracy of heights, vertical distances and vertical clearances, excluding sounding measurements.

Attribute	Category of temporal variation
-----------	--------------------------------

Acronym: CATTEV Code: 18036

Use Type: F,S

Value Type: F

Data Dictionary (DD) Reference:

DD Name: HYDRO Date accepted: 2000-11-01

Definition: An assessment of the likelihood of change over time.

Enumerations:

Value      Data Dictionary (DD) Reference

4      DD Name:      HYDRO      Code:      CATTEV\_4      Date accepted:      2000-11-01

Name:      Likely to change

Definition: Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).

5      DD Name:      HYDRO      Code:      CATTEV\_5      Date accepted:      2000-11-01

Name:      Unlikely to change

Definition: Significant change to the seafloor is not expected.

6      DD Name:      HYDRO      Code:      CATTEV\_6      Date accepted:      2000-11-01

Name:      Unassessed

Definition: Temporal variation not assessed or cannot be determined.

## Change Request (CR)

0	<b>Title:</b> Accuracy information (2) <b>CR number:</b> 395 <b>Version:</b> 1 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.5 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input checked="" type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.5</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input checked="" type="checkbox"/> referring to page(s) D.2.5, G.1.1, G.1.2, G.1.3, G.1.4, G.1.5, G.1.6, G.1.7, G.1.8, G.1.9, G.1.10, G.1.11, G.1.12, G.2.1, G.2.3, G.3, G.3.3, G.3.4, G.3.5, G.3.6, .3.7, G.3.8, G.3.11, G.3.12, G.3.13, G.3.14, G.3.18, G.3.21, G.3.23, G.3.24, G.3.25, G.4.2, G.4.3, G.4.4, G.4.5, G.4.7, G.4.8, G.4.9, I.1.1, I.1.2, I.1.3, I.1.5, I.1.6, I.1.7, I.1.9, I.2.1, I.3.5, J.1.1, J.1.2, J.1.3, M.3.1, <i>(e.g.: C.1.5)</i> of the Encoding Guide <i>(Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section <i>(e.g.: E.1)</i> of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input type="checkbox"/> referring to section AA <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	<b>Proposed addition/change:</b> Add accuracy information as optional attributes to features which are important for the safety of navigation		
5	<b>Proposed picture/illustration:</b> Attach the file to the form, please. Name of file:		
6	<b>Explanation, why this amendment/change is needed:</b> For autonomous navigation, the systems need to know the accuracy of the features in the IENC.		
7	<b>Proposed amendments to the Feature Catalogue:</b> - add to the Feature Catalogue 2.5 the attributes HORACC, VERACC, CATTEV to all proposed features as optional attributes; - add to the S-401 Feature Catalogue the S-101 feature AccuracyOfData, together with the attributes categoryOfTemporalVariation, horizontalDistanceUncertainty, verticalDistanceUncertainty, uncertaintyVariableFactor, orientationUncertainty, uncertaintyFixed to all proposed features;		
8	<b>Proposed amendments to the Inland ENC domain in the S-100 registry:</b>		

9	Proposed amendments to the Product Specification for Inland ENCs (main document): ---	
10	Proposed amendments to the Recommended Validation Checks for IENCs: - add to the Feature Catalogue 2.5 the attributes HORACC, VERACC, CATTEV to all proposed features as optional attributes; - add to the S-401 Feature Catalogue the S-101 feature AccuracyOfData, together with the attributes categoryOfTemporalVariation, horizontalDistanceUncertainty, verticalDistanceUncertainty, uncertaintyVariableFactor, orientationUncertainty, uncertaintyFixed to all proposed features;	
11	Proposed symbol(s): Attach the file to the form, please. Name of file:	
12	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: Gert Morlion Name of authority or company: De Vlaamse Waterweg e-mail address: gert.morlion@vlaamsewaterweg.be Date (YYYYMMDD): 20190819	Deadline for comments 20190930 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

## Change Request (CR)

0	<b>Title:</b> Numeric precision <b>CR number:</b> 396 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMT1kgN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMT1kgN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4.1 Request for:</b> (please enter the last published edition of the Encoding Guide) <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input checked="" type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.5</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	Sections A and B  This is a request <input checked="" type="checkbox"/> referring to lit. D of section B <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	Section V to Z and Annexes AA to AF This is a request <input type="checkbox"/> referring to section (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change: Amend the existing text in Section B, lit. D, Numeric Precision, to read: "The maximum number of decimals of numeric attributes is defined in the Feature Catalogue (e.g. XX.dd for maximum two decimals). The encoding of numeric attributes (e.g. of depth information and heights of structures) should reflect the accuracy of the number. For example a bridge height of thirty-five meters, accurate to one meter, has to be encoded as 35, not as 35.0 or 35.00. Measured values without safety margins should be used."		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: The Feature Catalogue and the Encoding Guide are containing different numbers of decimals for the same attributes in some cases. The general guidance section should provide the explanation that there can be a distinction between the technical possibility (defined in the Feature Catalogue) and the recommended precision or a typical example.		
7	Proposed amendments to the Feature Catalogue: ---		
8	Proposed amendments to the Inland ENC domain in the S-100 registry: ---		
9	Proposed amendments to the Product Specification for Inland ENCs (main document): ---		
10	Proposed amendments to the Recommended Validation Checks for IENCs: ---		
11	Proposed symbol(s): Attach the file to the form, please. Name of file: ---		
12	Proposed applicability: mark all applicable boxes <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America		

	<input checked="" type="checkbox"/> Asia (description of another area of applicability, e.g. a country)	
13	Name of sender: Bernd Birkhuber Name of authority or company: BMVIT e-mail address: bernd.birkhuber@bmvit.gv.at Date (YYYYMMDD): 20190814	Deadline for comments 20190925 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.



## Change Request (CR)

0	<b>Title:</b> Correction FC : add vcrval & sdrval for features with a verdat <b>CR number:</b> 397 <b>Version:</b> 1 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.4 corr2</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	<b>Sections A and B</b>  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	<b>Sections C to U</b>  This is a request <input checked="" type="checkbox"/> referring to page(s) I.3.4 G.1.1 G.1.2 G.1.3 G.1.4 G.1.5 G.1.6 G.1.7 G.1.8 G.1.9 G.1.11 G.1.12 G.3.3 G.3.4 G.3.20 G.4.5 G.4.8 G.4.9 I.3.5 G.3.7  (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	<b>Section V to Z and Annexes AA to AF</b>  This is a request <input type="checkbox"/> referring to section AA <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input checked="" type="checkbox"/> Coding instruction lit. Add encoding instruction "Use vcrlev and vcrval if the local value and name of vertical river datum reference level (design waterlevel ) is known ." for I.3.4 Waterway Gauge G.1.1 Bascule Bridge G.1.2 Bridges with Bridge Arches G.1.3 Fixed Bridge G.1.4 Lift Bridge G.1.5 Suspension Bridge G.1.6 Swing Bridge G.1.7 Tunnel		

G.1.8 Overhead Cable

G.1.9 Overhead Pipe

G.1.11 Foot Bridge / Catwalk

G.1.12 Draw Bridge (CR NL )

G.3.3 Conveyor

G.3.4 Crane

G.3.7 Floating Dock

G.3.20 Vehicle Transfer Location

G.4.5 Lock Gate

G.4.9 Opening Barrage

Add encoding instruction

"Use sdrlev and sdrval if the local value and name of vertical river datum reference level (design waterlevel ) is known ."

for

I.3.4 Waterway Gauge

I.3.5 Waterway Profile

G.3.7 Floating Dock

G.4.8 Exceptional Navigational Structure

remark for wtwgag the EG described for waterlevel values a format like this O) hgwat =

[xxx.xxx] (metres), e.g., 4.78 . I think that encoding waterlevels values in mm is not quite

common ; But may be those three decimals are needed for other units ; If that is the case than

[xx.xx] in the proposal should be adapt to [ xx.xxx]

☒ Object coding of object class add

(O) vcrlev = Name of reference level to which vertical clearances are referred (from verdat list) plus version indication, e.g., HSW 2002 &

(O) vcrval= [xx.xx] (metres), e.g., 1.15 for

I.3.4 Waterway Gauge (vcrlev is already described )

G.1.1 Bascule Bridge

G.1.2 Bridges with Bridge Arches

G.1.3 Fixed Bridge

G.1.4 Lift Bridge

G.1.5 Suspension Bridge

G.1.6 Swing Bridge

G.1.7 Tunnel

G.1.8 Overhead Cable

G.1.9 Overhead Pipe

G.1.11 Foot Bridge / Catwalk

G.1.12 Draw Bridge (CR NL )

G.3.3 Conveyor

G.3.4 Crane

G.3.7 Floating Dock

G.3.20 Vehicle Transfer Location

G.4.5 Lock Gate

G.4.9 Opening Barrage

add (O) sdrlev = (name of reference level to which depth are referred (from verdat list) plus version indication), e.g. GIW 2002 & add

(O) sdrval= [xx.xx] (metres), e.g., 2.05 for

I.3.4 Waterway Gauge (sdrlev is already described)

I.3.5 Waterway Profile

G.3.7 Floating Dock

G.4.8 Exceptional Navigational Structure

remark for wtwgag the EG described for waterlevel values a format like this O) hgwat =

[xxx.xxx] (metres), e.g., 4.78 . I think that encoding waterlevels values in mm is not quite

common ; But may be those three decimals are needed for other units ; If that is the case than

[xx.xx] in the proposal should be adapt to [ xx.xxx]

☐ Illustration

4	<p>Proposed addition/change: Correction FC : add vcrval &amp; sdrval attributes <a href="https://ienc-kennisportaal.nl/wp-content/uploads/2019/08/IENC_EG_2.4missing_attributes_sdrval_vcrval.png">https://ienc-kennisportaal.nl/wp-content/uploads/2019/08/IENC_EG_2.4missing_attributes_sdrval_vcrval.png</a></p>
5	<p>Proposed picture/illustration: Attach the file to the form, please. Name of file:</p>
6	<p>Explanation, why this amendment/change is needed: .During the IEEG in June 2018 it has been discovered ( ie Laessi demo) that the vcrval attribute (value of Vertical clearance reference level) and the sdrval attribute for sounding date reference value is missing in the Feature Catalog vcrval and sdrval attributes are important to be able to make a comparison with actual water gauge information examples : <a href="https://ienc-kennisportaal.nl/wp-content/uploads/2018/11/20181108-ClearanceandDraught-informationInFreeFlowingRiversAndEstuaries.pdf">https://ienc-kennisportaal.nl/wp-content/uploads/2018/11/20181108-ClearanceandDraught-informationInFreeFlowingRiversAndEstuaries.pdf</a>  Because of this addition, many pages of the EG 'needs' an update I 'll make separate CR for the EG</p>
7	<p>Proposed amendments to the Feature Catalogue: add vcrval &amp; sdrval attributes to the FC</p> <p>vcrval for the features :</p> <ul style="list-style-type: none"> <li>I.3.4 Waterway Gauge</li> <li>G.1.1 Bascule Bridge</li> <li>G.1.2 Bridges with Bridge Arches</li> <li>G.1.3 Fixed Bridge</li> <li>G.1.4 Lift Bridge</li> <li>G.1.5 Suspension Bridge</li> <li>G.1.6 Swing Bridge</li> <li>G.1.7 Tunnel</li> <li>G.1.8 Overhead Cable</li> <li>G.1.9 Overhead Pipe</li> <li>G.1.11 Foot Bridge / Catwalk</li> <li>G.1.12 Draw Bridge (CR NL )</li> <li>G.3.3 Conveyor</li> <li>G.3.4 Crane</li> <li>G.3.7 Floating Dock</li> <li>G.3.20 Vehicle Transfer Location</li> <li>G.4.5 Lock Gate</li> <li>G.4.9 Opening Barrage</li> </ul> <p>sdrval for the features :</p> <ul style="list-style-type: none"> <li>I.3.4 Waterway Gauge</li> <li>I.3.5 Waterway Profile</li> <li>G.3.7 Floating Dock</li> <li>G.4.8 Exceptional Navigational Structure</li> </ul>
8	Proposed amendments to the Inland ENC domain in the S-100 registry:
9	Proposed amendments to the Product Specification for Inland ENCs (main document): ---
10	Proposed amendments to the Recommended Validation Checks for IENCs: ---
11	<p>Proposed symbol(s): Attach the file to the form, please. Name of file: ---</p>
12	<p>Proposed applicability: <i>mark all applicable boxes</i></p> <p><input checked="" type="checkbox"/> US</p> <p><input checked="" type="checkbox"/> Europe (without Russia)</p>

	<input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: René Visser Name of authority or company: Min I&W RWS e-mail address: rene.visser@rws.nl Date (YYYYMMDD): 20191002	Deadline for comments <b>20191113</b> (6 weeks)  To be filled in by a member of the Core Group: <input type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

*Approved by the meeting, but still open for comments*

0	<b>Title:</b> BOYSPP add all (IHO) values to the FC <b>Version:</b> 2		
1	<b>Encoding Guide Edition 2.5 Request for:</b> <input type="checkbox"/> <b>an addition</b> (e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements) <input type="checkbox"/> <b>a change</b> (e.g. replacing a picture, illustration or an already existing text) <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue (edition 2.5)</b>		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) (O.4.1) (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	Section V to Z and Annexes AA to AF  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input checked="" type="checkbox"/> Object coding of object class (M) CATSPM = 1 (firing danger area mark), 2 (target mark), 3 (marker ship mark), 4 (degaussing range mark), 5 (barge mark), 6 (cable mark), 7 (spoil ground mark), 8 (outfall mark), 10 (recording mark), 11 (seaplane anchorage mark), 12 (recreation zone mark), 13 (private mark), 14 (mooring mark), 16 (leading mark), 17 (measured distance mark), 18 (notice mark), 19 (TSS mark (Traffic Separation Scheme), 20 (anchoring prohibited mark), 21 (berthing prohibited mark), 22 (overtaking prohibited mark), 23 (two-way traffic prohibited mark), 24 ('reduced wake' mark), 25 (speed limit mark), 26 (stop mark), 27 (general warning mark), 28 ('sound ship's siren' mark), 29 (restricted vertical clearance mark), 30 (maximum vessel's draught mark), 31 (restricted horizontal clearance mark), 32 (strong current warning mark), 33 (berthing permitted mark), 34 (overhead power cable mark), 35 ('channel edge gradient' mark), 36 (telephone mark), 37 (ferry crossing mark), 39 (pipeline mark), 40 (anchorage mark), 41 (clearing mark), 42 (control mark), 43 (diving mark), 44 (refuge beacon), 45 (foul ground mark), 46 (yachting mark), 47 (heliport mark), 48 (GPS mark), 49 (seaplane landing mark), 50 (entry prohibited mark), 51 (work in progress mark), 52 (mark with unknown purpose), 54 (channel separation mark), 55 (marine farm mark). <input type="checkbox"/> Illustration		
4	Proposed addition/change: add all (IHO) values to the FC and to mention all with the exception of 9, 15, 53, 56 in the EG. (Value number 38 is skipped; this should be encoded using object class signal station, traffic (SISTAT)		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: At Rws, analyses of several sources for ENC production has been executed. It was found out that the central database for AtoN's (buoys and beacon) contains of a lot maritime S57 attribute values that are not available in the Inland Ecdis Standard. I.e. 401 special purpose buoys (BOYSPP) in the database (and the real world), 20%, have been registered with a maritime value for CATSPM. (not only for the North sea area; see attached map.		
7	Proposed amendments to the Feature Catalogue: Add all (IHO) values to the FC		

8	Proposed amendments to the Inland ENC domain in the S-100 registry:	
9	Proposed amendments to the Recommended Validation Checks for IENCs: (6,10,12,37,39,41,45,50,54,55) should be all (*)	
10	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
11	Name of sender: Visser R Name of authority or company: RWS e-mail address: rene.vis Date (YYYYMMDD): 20190816	Deadline for comments 20191004 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

## Change Request (CR)

0	<b>Title:</b> Emergency wreck marking buoy <b>Version:</b> 2		
1	<b>Encoding Guide Edition 2.5 Request for:</b> <input checked="" type="checkbox"/> <b>an addition</b> (e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements) <input type="checkbox"/> <b>a change</b> (e.g. replacing a picture, illustration or an already existing text) <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue (edition )</b>		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3 on this page)</i> <input checked="" type="checkbox"/> for a new page in section O.4 (e.g.: E.1) of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	Section V to Z and Annexes AA to AF  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change:		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: The Dutch Rijkswaterstaat and the Flemish Hydrographic office would like to be able to encode emergency wreck marking buoys		
7	Proposed amendments to the Feature Catalogue: Add CATSPM = 27 (general warning mark) to Hydro feature BOYSPP		
8	Proposed amendments to the Inland ENC domain in the S-100 registry:		
9	Proposed amendments to the Recommended Validation Checks for IENCs: <u>check master slave relation BOYSPP</u> to the light object, the top mark object and the radar transponder beacon object. Add CATSPM=27 for BOYSPP		
10	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>		
11	Name of sender: René Visser Name of authority or company: RWS WVL e-mail address: rene.visser@rws.nl Date (YYYYMMDD): 20190823	Deadline for comments 20191004 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.	



*This page is an optional part of the Change Request*

## O - Buoys, Beacons and Daymarks, Notice Marks

### O.4 IALA Maritime Buoyage System

#### O.4.2 Emergency wreck marking buoy

A Special Purpose Buoy to be used as initial marking of a danger wreck.

Graphics	Encoding Instructions	Object Encoding
<p><i>Real World</i></p>  <p><i>Chart Symbol</i></p> <p><i>IENC Symbolization</i></p> 	<p>A) If it is required to encode an emergency wreck marking buoy, it must be done using a BOYSPP object</p> <p>B) BOYSPP is encoded as master object to the light object, the top mark object and the radar transponder beacon object.</p> <p>C) Mandatory attributes must be coded to ensure proper presentation.</p> <p>D) EU: The designator as it appears on the buoy, if it can be read from a passing vessel, should be encoded in the attribute OBJNAM. Administrative information on the buoys that is not relevant for navigation should be encoded in the attribute NOBJNM. It is not repeated for each slave object.</p>	<p><b><u>Object Encoding</u></b></p> <p><b>Object Class</b> = BOYSPP(P)</p> <p>(M) BOYSHP = [4 (pillar), 5 (spar)]</p> <p>(M) CATSPM = [27 (general warning mark)]</p> <p>(M) COLOUR = [5,6 (blue, yellow)]</p> <p>(O) CONRAD = [3 (radar conspicuous (has radar reflector))]</p> <p>(C) OBJNAM = (Refer to letter D)</p> <p>(O) NOBJNM = (Refer to letter D)</p> <p>(M) SCAMIN = [EU: 22000; US: 60000]</p> <p>(C) SORDAT = [YYYYMMDD]</p> <p>(C) SORIND = (Refer to Section B, General Guidance)</p> <p><b><u>Object Encoding</u></b></p> <p><b>Object Class</b> = LIGHTS(P)</p> <p>(M) COLOUR = [5,6 (blue, yellow)]</p> <p>(M) EXCLIT = [1 (light shown without change of character), 2 (daytime light), 3 (fog light), 4 (night light)]</p> <p>(M) LITCHR = [17 (occulting alternating)]</p> <p>(M) SIGPER = [3]</p> <p>(M) SIGGRP = [(1)]</p> <p>(M) SIGSEQ = [1.00+(0.50)+1.00+(0.50)] (seconds)</p> <p>(M) VALNMR = [4]</p> <p>(M) SCAMIN = [45000]</p> <p>(C) SORDAT = [YYYYMMDD]</p> <p>(C) SORIND = (Refer to Section B, General Guidance)</p> <p><b><u>Object Encoding</u></b></p> <p><b>Object Class</b> = TOPMAR(P)</p> <p>(M) COLOUR = [6 (yellow)]</p> <p>(M) TOPSHP = [8 (upright cross (St George=s cross)]</p>



		<p>(M) SCAMIN = [EU: 45000; US: 60000]</p> <p>(C) SORDAT = [YYYYMMDD]</p> <p>(C) SORIND = (Refer to Section B, General Guidance)</p> <p><b><u>Object Encoding</u></b></p> <p><b>Object Class</b> = RTPBCN (P)</p> <p>(M) CATRTB = [2 (racon, radar transponder beacon)]</p> <p>(M) SIGGRP = [(D)]</p>
--	--	---

## Change Request (CR)

0	<b>Title:</b> Dutch estuary low water reference level (OLW) and LAT <b>Version:</b> 2		
1	<b>Encoding Guide Edition 2.5 Request for:</b> <input type="checkbox"/> <b>an addition</b> (e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements) <input type="checkbox"/> <b>a change</b> (e.g. replacing a picture, illustration or an already existing text) <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue (edition 2.5)</b>		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) C.1.4 C.1.5 G.1.1 G.1.2 G.1.3 G.1.4 G.1.5 G.1.6 G.1.8 G.1.9 G.1.11 G.1.12 G.3.3 G.3.4 G.3.7 G.3.20 G.4.5 G.4.8 G.4.9 I.3.5  <i>(e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section <i>(e.g.: E.1)</i> of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	Section V to Z and Annexes AA to AF  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change: Add Hydro enumeratie 23 (Lowest Astronomical Tide (LAT)) and new enumeration 45 (Dutch estuary low water reference level (OLW)) to attribute verdat of m_sdat, bridge, cblohd, pipohd, convyr, cranes, flodoc, vehtrf, gatcon,		

	excnst	
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:	
6	Explanation, why this amendment/change is needed:	
7	Proposed amendments to the Feature Catalogue: Object encoding of Object class m_sdat: Add Hydro enumeratie 23 (Lowest Astronomical Tide (LAT)) and new enumeration 45 (Dutch estuary low water reference level (OLW)) to attribute verdat	
8	Proposed amendments to the Inland ENC domain in the S-100 registry: new enumeration 45 (Dutch estuary low water reference level (OLW)) to attribute verdat	
9	Proposed amendments to the Recommended Validation Checks for IENCs: Add Hydro enumeratie 23 (Lowest Astronomical Tide (LAT)) and new enumeration 45 (Dutch estuary low water reference level (OLW)) to attribute verdat of m_sdat, bridge, cblohd, pipohd, convyr, cranes, flodoc, vehtrf, gatcon, excnst	
10	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
11	Name of sender: René Visser Name of authority or company: Rijkswaterstaat e-mail address: rene.visser@rws.nl Date (YYYYMMDD): 20190827	Deadline for comments 20191008 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

See also CR 384

## Change Request (CR)

0	<b>Title:</b> Coast guard stations <b>Version:</b> 3		
1	<b>Encoding Guide Edition 2.5 Request for:</b> <input type="checkbox"/> <b>an addition</b> (e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements) <input checked="" type="checkbox"/> <b>a change</b> (e.g. replacing a picture, illustration or an already existing text) <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue (edition 2.5)</b>		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) R.3 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3 on this page)</i> <input checked="" type="checkbox"/> for a new page in section R.3 (e.g.: E.1) of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	Section V to Z and Annexes AA to AF  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change: Change title of Section R.3 from "Rescue stations" to "Coastguard and Rescue Stations"		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: The Dutch Rijkswaterstaat would like to encode Coastguard Stations. The reason for including the coastguard center is that the Netherlands is actually an estuary. There are a lot of large inland waterways ( i.e Wadden) that connect with coastal water, and that is why there are also coast guard centers to encode		
7	Proposed amendments to the Feature Catalogue: Add Hydro Feature CGUSTA with all attributes and enumerations.		
8	Proposed amendments to the Inland ENC domain in the S-100 registry:		
9	Proposed amendments to the Recommended Validation Checks for IENCs: Add Hydro Feature CGUSTA with all attributes and enumerations.		
10	Proposed applicability: mark all applicable boxes <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>		
11	Name of sender: René Visser Name of authority or company: RWS e-mail address: rene.visser@rws.nl Date (YYYYMMDD): 20190827	Deadline for comments 20191008 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.	


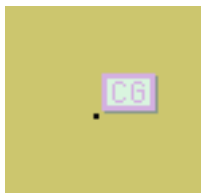
*This page is an optional part of the Change Request*

## R - Services

### R.3 Coastguard and Rescue Stations

#### R.3.2 Coastguard Station (O)

Watch keeping stations at which a watch is kept either continuously, or at certain times only. (IHO Chart Specifications, M-4)




Graphics	Encoding Instructions	Object Encoding
<p><i>Real World</i></p>  <p><i>Chart Symbol</i></p> <p><i>IENC Symbolization</i></p> 	<p>A) If it is required to encode a coastguard station, it must be done using the feature Coastguard Station.</p> <p>B) The <b>Coastguard Station</b> must only be used to describe the function of the coastguard station, independent of the building or structure itself. If it is required to encode the building or structure in which the coastguard station operates, it must be done using an appropriate feature (e.g. <b>Building, Landmark</b>).</p> <p>C) Maritime Rescue and Coordination Centres (MRCC) are part of a constantly manned communications watch system. If it is required to encode a MRCC, it should be done using <b>Coastguard Station</b>, with complex attribute <b>information</b> (sub-attribute <b>text</b>) = <i>Maritime Rescue and Coordination Centre</i>. The name of the station may be populated using the complex attribute <b>feature name</b> (sub-attribute <b>name</b>), e.g. <i>MRCC Swansea</i>.</p> <p>D) Each VHF-channel should be indicated, using the attribute <b>communication channel</b>.</p> <p>E) A Rescue Station should be encoded using <b>Rescue Station</b> (see R.3.1)</p> <p>F) If a structured external XML-file with more detailed communication information is available, the reference to the file has to be entered in the TXTDSC attribute.</p> <p>G) Use STATUS if any of the conditions apply.</p>	<p><b>Object Encoding</b></p> <p><b>Object Class</b> = CGUSTA(P)</p> <p>(M) COMCHA = [[XXXX];[XXXX];...]</p> <p>(O) DATSTA = (Refer to Section J, DATSTA, DATEND, PERSTA and PEREND)</p> <p>(O) DATEND = (Refer to Section J, DATSTA, DATEND, PERSTA and PEREND)</p> <p>(O) OBJNAM = [Name]</p> <p>(O) NOBJNM = (Refer to Section B, General Guidance)</p> <p>(O) STATUS = [2 (occasional, seasonal), 4 (not in use)]</p> <p>(O) INFORM = (additional information)</p> <p>(O) NINFOM = (Refer to Section B, General Guidance)</p> <p>(O) SCAMIN = [8000]</p> <p>(O) TXTDSC = (external text file - English)</p> <p>(O) NTXTDS = (external text file - Natl. language)</p> <p>(O) SORDAT = [YYYYMMDD]</p> <p>(O) SORIND = (Refer to Section B, General Guidance)</p>

0	<b>Title:</b> Weed/ kelp <b>Version:</b> 2		
1	<b>Encoding Guide Edition 2.5 Request for:</b> <input type="checkbox"/> <b>an addition</b> (e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements) <input type="checkbox"/> <b>a change</b> (e.g. replacing a picture, illustration or an already existing text) <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue (edition 2.5)</b>		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3 on this page)</i> <input checked="" type="checkbox"/> for a new page in section J.4 (e.g.: E.1) of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	Section V to Z and Annexes AA to AF  This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change:		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: The Dutch Rijkswaterstaat would like to be able to encode the presence of weed/kelp In recent years, the number of permanent places with seaweed has been growing. ( Climate change?) Inland shipping is increasingly being hindered		
7	Proposed amendments to the Feature Catalogue: add HYDRO feature WEDKLP, with all attributes and enumerations. add ;CATWED = 1 (kelp), 2 (sea weed), 3 (sea grass), 4 (sargasso)		
8	Proposed amendments to the Inland ENC domain in the S-100 registry:		
9	Proposed amendments to the Recommended Validation Checks for IENCs: : add HYDRO feature WEDKLP, with all attributes and enumerations. add ;CATWED = 1 (kelp), 2 (sea weed), 3 (sea grass), 4 (sargasso)		
10	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia  <i>(description of an other area of applicability, e.g. a country)</i>		
11	Name of sender: René Visser Name of authority or company: RWS e-mail address: rene.visser@rws.nl Date (YYYYMMDD): 20190827	Deadline for comments 20191008 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.	

## J.4 Nature of Riverbed

### J.4.2 Weed/Kelp (O)

- Seaweed is the general name for marine plants of the Algae class which grow in long narrow ribbons. (International Maritime Dictionary, 2nd Ed.)
- Kelp is one of an order (laminariales) of usually large, blade-shaped or vine-like brown algae. (IHO Dictionary, S-32, 5th Edition, 2611)

Graphics	Encoding Instructions	Object Encoding
<p><i>Real World</i></p>  <p><i>Chart Symbol</i></p>  <p><i>IENC Symbolization</i></p> 	<p>A) If it is required to encode the presence of weed or kelp, it must be done using the feature WEDKLP</p>	<p><b><u>Object Encoding</u></b></p> <p><b>Object Class</b> = WEDKLP (P,A)</p> <p>(M) CATWED = [1 (kelp), 2 (sea weed), 3 (sea grass), 4 (sargasso)]</p> <p>(M) SCAMIN = [22000]</p> <p>(C) SORDAT = [YYYYMMDD]</p> <p>(C) SORIND = (Refer to Section B, General Guidance)</p>

## Change Request (CR)

0	<b>Title:</b> TimeZone information in Facility files <b>CR number:</b> 399 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4 Request for:</b> (please enter the last published edition of the Encoding Guide) <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input checked="" type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	Section V to Z and Annexes AA to AF This is a request <input checked="" type="checkbox"/> referring to section AF (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change: Add an additional field TimeZoneName at the end of the XSD element facility (after the field communication_information) on page 298.  <pre>&lt;xs:element name="timezonename" type="xs:string" minOccurs="0"/&gt;</pre> Use the TimeZone names as given in the Time Zone Database maintained by IANA (Internet Assigned Numbers Authority) - <a href="https://www.iana.org/time-zones">https://www.iana.org/time-zones</a> .  The change is backwards compatible meaning the existing facility files don't have to be changed in order to validate against the new XSD..		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: The times mentioned in the facility file are presumed to be in local time. Within RIS COMEX this information is used for voyage calculation. For proper calculation these times are converted to UTC time. However the used timezone information is missing in the facility file.		
7	Proposed amendments to the Feature Catalogue:		
8	Proposed amendments to the Inland ENC domain in the S-100 registry:		
9	Proposed amendments to the Product Specification for Inland ENCs (main document):		
10	Proposed amendments to the Recommended Validation Checks for IENCs:		
11	Proposed symbol(s): Attach the file to the form, please. Name of file:		



12	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: Tony Daems Name of authority or company: ALSIC BVBA e-mail address: tony.daems@alsic.be Date (YYYYMMDD): 20190906	Deadline for comments 20191018 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

## Change Request (CR)

0	<b>Title:</b> Language indication and multiple language support for Remarks in Facility.XML <b>CR number:</b> 400 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.4 Request for:</b> (please enter the last published edition of the Encoding Guide) <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input checked="" type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	Section V to Z and Annexes AA to AF This is a request <input checked="" type="checkbox"/> referring to section AF (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change: Add an additional type TRemark to the XSD structure (page 315).  <pre>&lt;xs:complexType name="TRemark"&gt;   &lt;xs:simpleContent&gt;     &lt;xs:extension base="xs:string"&gt;       &lt;xs:attribute name="language" type="xs:string" use="optional"/&gt;     &lt;/xs:extension&gt;   &lt;/xs:simpleContent&gt; &lt;/xs:complexType&gt;</pre> <p>The language can be filled in using an ISO-639 code (e.g. NL, EN, ...).</p> <p>Change all occurrences of the field remark from (pages 298-315) from:  <code>&lt;xs:element name="remark" type="xs:string" minOccurs="0"/&gt;</code>          To:  <code>&lt;xs:element name="remark" type="TRemark" minOccurs="0" maxOccurs="unbounded" /&gt;</code></p> <p>The change is backwards compatible meaning the existing facility files don't have to be changed in order to validate against the new XSD..</p>		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: Sometimes additional information is given in the facility files for certain operation times with the field Remark. However certain countries are obliged to give the information in different languages. The language indicator is usefull to indicate in which language the remarks are provided.		

7	Proposed amendments to the Feature Catalogue:	
8	Proposed amendments to the Inland ENC domain in the S-100 registry:	
9	Proposed amendments to the Product Specification for Inland ENCs (main document):	
10	Proposed amendments to the Recommended Validation Checks for IENCs:	
11	Proposed symbol(s): Attach the file to the form, please. Name of file:	
12	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input checked="" type="checkbox"/> Russia <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: Tony Daems Name of authority or company: ALSIC BVBA e-mail address: tony.daems@alsic.be Date (YYYYMMDD): 20190906	Deadline for comments 20191018 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

## Change Request (CR)

0	<b>Title:</b> Indication of Target Group and Direction for operation time slot in Facility XML <b>CR number:</b> 401 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:</i> <a href="https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTIkqN4nDW0etW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing</a>		
1	<b>Encoding Guide Edition 2.5 Request for:</b> (please enter the last published edition of the Encoding Guide) <input type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input checked="" type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition</b> (last published edition) <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> (last published edition)		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  (Continue with 4 on this page)	Sections C to U  This is a request <input type="checkbox"/> referring to page(s) (e.g.: C.1.5) of the Encoding Guide (Continue with 3 on this page) <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide (Continue with 6 on this page and add the proposal on page 2 after removing form protection)	Section V to Z and Annexes AA to AF This is a request <input checked="" type="checkbox"/> referring to section AF (Continue with 4 on this page) <input type="checkbox"/> for a new Annex (Continue with 6 on this page and add the proposal on page 2 after removing form protection)
3	<input type="checkbox"/> Definition <input type="checkbox"/> Picture: <input type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed addition/change: Add element target_group to complex type TTimeFrame (page 313) to XSD:  <pre>&lt;xs:element name="target_group" type="TTargetGroup" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Target group information&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> Add complex type TTargetGroup to XSD structure (page 315ff) to XSD:  <pre>&lt;xs:complexType name="TTargetGroup"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="target_group_code" type="TTargetGroupCode" default="all vessels"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Target group (vessel type)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="direction_code" type="TDirectionCode" default="all directions"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Upstream or downstream traffic, or both&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;</pre>		

	<p>&lt;/xs:complexType&gt;</p> <p>Add simple type TTargetGroupCode (page 315ff) to XSD:</p> <pre> &lt;xs:simpleType name="TTargetGroupCode"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="all vessels"/&gt;     &lt;xs:enumeration value="commercial vessels"/&gt;     &lt;xs:enumeration value="passenger vessels"/&gt;     &lt;xs:enumeration value="pleasure crafts"/&gt;     &lt;xs:enumeration value="small crafts"/&gt;     &lt;xs:enumeration value="convoys"/&gt;     &lt;xs:enumeration value="pushed convoys"/&gt;     &lt;xs:enumeration value="convoys with dangerous goods"/&gt;     &lt;xs:enumeration value="vessels with dangerous goods"/&gt;     &lt;xs:enumeration value="motorized vessels"/&gt;     &lt;xs:enumeration value="non-motorized vessels"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> <p>Add simple type TDirectionCode (page 315ff) to XSD:</p> <pre> &lt;xs:simpleType name="TDirectionCode"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="all directions"/&gt;     &lt;xs:enumeration value="upstream"/&gt;     &lt;xs:enumeration value="downstream"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> <p>The change is backwards compatible meaning the existing facility files don't have to be changed in order to validate against the new XSD.</p>
5	<p>Proposed picture/illustration: Attach the file to the form, please. Name of file: direction_code.JPG target_group_code.JPG TTargetGroup.JPG TTimeFrame.JPG</p>
6	<p>Explanation, why this amendment/change is needed: The CR results out of a requirement for RIS COMEX. Often facilities like locks or operable bridges reserve certain time slots for certain vessels (either specific vessel types or from a certain direction). It is important for voyage planning software to know, which vessels can pass at what time in order to find ideal routes and calculate realistic ETAs.</p>
7	Proposed amendments to the Feature Catalogue:
8	Proposed amendments to the Inland ENC domain in the S-100 registry:
9	Proposed amendments to the Product Specification for Inland ENCs (main document):
10	Proposed amendments to the Recommended Validation Checks for IENCs:
11	<p>Proposed symbol(s): Attach the file to the form, please. Name of file:</p>
12	<p>Proposed applicability: <i>mark all applicable boxes</i></p> <p><input checked="" type="checkbox"/> US  <input checked="" type="checkbox"/> Europe (without Russia)  <input checked="" type="checkbox"/> Russia  <input checked="" type="checkbox"/> South America  <input checked="" type="checkbox"/> Asia</p>
















	<i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: Jonathan Gallagher Name of authority or company: viadonau e-mail address: jonathan.gallagher@viadonau.org Date (YYYYMMDD): 20190906	Deadline for comments 20191018 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.






















0	<b>Title:</b> MMSI and AtoN type for buoys and beacons <b>CR number:</b> 402 <b>Version:</b> 0 <i>The next available CR number can be found in the currently valid Change Request List under the following URL:  <a href="https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCugbGukEvN_9XYohwB_QLE/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCugbGukEvN_9XYohwB_QLE/edit?usp=sharing</a></i>		
1	<b>Encoding Guide Edition 2.4 Request for:</b> <i>(please enter the last published edition of the Encoding Guide)</i> <input checked="" type="checkbox"/> <b>an addition</b> e.g. new picture, new coding instruction or new real world entity, which is encoded by already existing object classes, attributes and attribute values, but requires no alteration of existing elements <input type="checkbox"/> <b>a change</b> e.g. replacing a picture, illustration or an already existing text <input checked="" type="checkbox"/> <b>an addition/change that affects the Feature Catalogue edition 2.5</b> <i>(last published edition)</i> <input type="checkbox"/> <b>an addition/change that affects the Portrayal Catalogue edition</b> <i>(last published edition)</i>		
2	Sections A and B  This is a request <input type="checkbox"/> referring to lit. <input type="checkbox"/> for a new lit.  <i>(Continue with 4 on this page)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) O.1.1, O.1.3, O.1.5, O.1.9, O.1.2, O.2.1 , O.4.1 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3 on this page)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>	Section V to Z and Annexes AA to AF This is a request <input type="checkbox"/> referring to section <i>(Continue with 4 on this page)</i> <input type="checkbox"/> for a new Annex <i>(Continue with 6 on this page and add the proposal on page 2 after removing form protection)</i>
3	<input type="checkbox"/> Definition <input checked="" type="checkbox"/> Picture: <input checked="" type="checkbox"/> real world <input type="checkbox"/> paper chart <input type="checkbox"/> IENC <input type="checkbox"/> Coding instruction lit. <input checked="" type="checkbox"/> Object coding of object class bcnlst, boylat, BOYSPP <input checked="" type="checkbox"/> Illustration		
4	Proposed addition/change: Add (O) mmsino (MMSI number), 9 digits (characters), Format: xxxxxxxxx (e.g. 366777490), type TE (free text), unit=None Add (O) typatn (Type of AtoN) = 1 (AtoN), 2 (Real AIS AtoN), 3 (Virtual AIS AtoN)		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: Like in maritime ECDIS (S-101, Annex A) we also need an unique MMSI (Maritime Mobile Service Identity) code for Real AIS AtoNs (aids to navigation) in Inland ECDIS in order to uniquely identify the objects and to unambiguously associate AIS-AtoN messages. ECDIS manufactures have to place different symbols depending on their type (AtoN, real AIS AtoN, virtual AIS AtoN) and current position (on position, off position, missing). The off position symbol is placed where the AtoN actually IS, but should not be at this position. The missing symbol is placed where the AtoN should be, but is not found there any more. Using MMSI numbers objects can be identified in Inland ECDIS and AtoN types be represented in the IENC differently.		
7	Proposed amendments to the Feature Catalogue: Add optional attributes mmsion and typatn to feature classes bcnlst, boylat, BOYLAT and BOYSPP		
8	Proposed amendments to the Inland ENC domain in the S-100 registry: typatn		
9	Proposed amendments to the Product Specification for Inland ENCs (main document): ---		
10	Proposed amendments to the Recommended Validation Checks for IENCs: Add optional attributes mmsion and typatn to feature classes bcnlst, boylat, BOYLAT and BOYSPP		
11	Proposed symbol(s): Attach the file to the form, please. Name of file:		











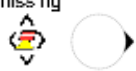




	Inland_AtoN_Station_symbols.xlsx (AtoNs on position, off position, missing), AIS_AtoN.jpg: attach in Encoding Guide, chapter O.1.1	
12	Proposed applicability: <i>mark all applicable boxes</i> <input type="checkbox"/> US <input checked="" type="checkbox"/> Europe (without Russia) <input type="checkbox"/> Russia <input type="checkbox"/> South America <input type="checkbox"/> Asia <i>(description of another area of applicability, e.g. a country)</i>	
13	Name of sender: Wieland Haupt Name of authority or company: WSV, Germany e-mail address: wieland.haupt@wsv.bund.de Date (YYYYMMDD): 20190911	Deadline for comments 20191023 (6 weeks)  To be filled in by a member of the Core Group: <input checked="" type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition 2.5 of the EG.

**Action point:** Wieland Haupt to check with VTT whether “real AtoN” can be replaced by “physical AtoN”, because this is the more accurate term nowadays used in the maritime area.



Code	Definition Maritime		Code	CEVNI code	on pos-o	miss-m	off pos-f	Name
0	Default, Type of AtoN not specified		0					Default, Type not specified
1	Reference point	fixed aids, landmarks	1	4.A + 4.B	 TOPMA106O	missing  TOPMA106M	Off Posn  TOPMA106F	Channel near the right bank
2	RACON		2	5.A + 5.B	 TOPMA108O	missing  TOPMA108M	Off Posn  TOPMA108F	Channel near the left bank
3	Fixed structures off-shore, such as oil platforms, wind farms. (NOTE 1 – This code should identify an obstruction that is fitted with an AtoN AIS station)		3	4.C + 4.D	 TOPMA110O	missing  TOPMA110M	Off Posn  TOPMA110F	Cross-over right bank
4	Emergency Wreck Marking Buoy		4	5.C + 5D	 TOPMA112O	missing  TOPMA112M	Off Posn  TOPMA112F	Cross-over left bank
8	Leading Light Rear		5	8.C - 8.C2	 BOYINL08O	missing  BOYINL08M	Off Posn  BOYINL08F	Bridge pillar

9	Beacon, Cardinal N		6	8.C3 + 8.C4				Overhead cable
10	Beacon, Cardinal E	floating aids	7	1.A - 1.D				Buoy right-hand side
11	Beacon, Cardinal S		8	2.A - 2.D				Buoy left-hand side
12	Beacon, Cardinal W		9	3.A - 3.D				Bifurcation
13	Beacon, Port hand		10	3.E1 + 3.F1				Bifurcation, pass right-hand side
14	Beacon, Starboard hand		11	3.E + 3.F				Bifurcation, pass left-hand side
15	Beacon, Preferred Channel port hand		12	1.F + 1.F1				Danger point or obstacle right-hand side

					BOYLAT26O	BOYLAT26M	BOYLAT26F	
16	Beacon, Preferred Channel starboard hand		13	2.F + 2.F1	 BOYLAT27O	 BOYLAT27M	 BOYLAT27F	Danger point or obstacle left-hand side
17	Beacon, Isolated danger		14	-	 DFND01O	 DFND01M	 DFND01F	Berth right-hand side
18	Beacon, Safe water		15	-	 DFND02O	 DFND02M	 DFND02F	Berth left-hand side
19	Beacon, Special mark	other	17	A.1	 NMKPRB02O + DIRIMP	 NMKPRB02M + DIRIMP	 NMKPRB02F + DIRIMP	No entry, combined with direction of impact
23	Cardinal Mark W		20	-	 SIGFLT01O	 SIGFLT01M	 SIGFLT01F	Signal float
24	Port hand Mark	reserv	21					Reserved for future use
25	Starboard hand Mark		22					Reserved for future use

26	Preferred Channel Port hand	23					Reserved for future use
27	Preferred Channel Starboard hand	24					Reserved for future use
28	Isolated danger	25					Reserved for future use
29	Safe Water	26					Reserved for future use
		27					Reserved for future use
		28					Reserved for future use
		29					Reserved for future use
31	Light Vessel/LANBY/Rigs	30					Reserved for future use

