

1	<b>Encoding Guide</b> <b>Request for</b> <input checked="" type="checkbox"/> <b>an amendment</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>the proposed change affects the Feature Catalogue</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)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) J.3.1 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Add the proposal on page 2 and continue with 6 on this page)</i>	Section V to Z and Annexes AA and AB  This is a request referring to section  <i>(Continue with 4)</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 checked="" type="checkbox"/> Coding instruction lit. O) <input checked="" type="checkbox"/> Object coding of object class OBSTRN <input type="checkbox"/> Illustration		
4	Proposed text: Object Encoding: add to CATOBS: 11 (fishing net)  Encoding Instructions: O) Fishing net obstruction above-water is encoded as a line or area object class OBSTRN with attribute CATOBS set to 11 (fishing net) and attribute WATLEV (Water level effect) set to 2 (always dry).		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file: fishing nets.jpeg		
6	Explanation, why this amendment/change is needed: The new category only in IENC. Fishing nets are obstructions for navigation within river and lake areas		
7	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)</i>		
8	Name of sender: Jacek Łubczonek Name of authority or company: Maritime Academy of Szczecin, Poland e-mail address: j.lubczonek@am.szczecin.pl		

	Date (YYYYMMDD): 20101217, <b>adopted 20110223</b>		
1	<b>Encoding Guide Request for</b> <input checked="" type="checkbox"/> <b>an amendment</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>the proposed change affects the Feature Catalogue</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)</i>	<b>Sections C to U</b>  This is a request <input checked="" type="checkbox"/> referring to page(s) D.1.3 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Add the proposal on page 2 and continue with 6 on this page)</i>	<b>Section V to Z and Annexes AA and AB</b>  This is a request referring to section  <i>(Continue with 4)</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 SEAARE <input type="checkbox"/> Illustration		
4	Proposed text: Object Encoding:  add to CATSEA: 52 (lake)		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: Alignment with S-57; lake can be a part of inland waterways and it should be coded as separate category of SEAARE; as category of SEAARE this object is visible on ECDIS display switched to the base mode; by contrast, class object LAKARE is not visible in base display mode		
7	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)</i>		
8	Name of sender: Jacek Łubczonek Name of authority or company: Maritime Academy of Szczecin, Poland		

e-mail address: j.lubczonek@am.szczecin.pl Date (YYYYMMDD): 20101217 <b>adopted 20110223</b>
---

1	<b>Encoding Guide Request for</b> <input checked="" type="checkbox"/> <b>an amendment</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>the proposed change affects the Feature Catalogue</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)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) M.4.1 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Add the proposal on page 2 and continue with 6 on this page)</i>	Section V to Z and Annexes AA and AB  This is a request referring to section  <i>(Continue with 4)</i>
3	<input type="checkbox"/> Definition <input checked="" 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. J <input checked="" type="checkbox"/> Object coding of object class <input type="checkbox"/> Illustration		
4	Proposed text:		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: In the run of several projects WLAN access points will be implemented. Some of them will be operated free of charge and provide access to information relevant for inland navigation. It would be supportive if such areas where hotspots are available are indicated on IENCs.		
7	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 an other area of applicability)</i>		
8	Name of sender: Johannes Nemeth Name of authority or company: via donau - Österreichische Wasserstraßen-Gesellschaft		

	mbH e-mail address: johannes.nemeth@via-donau.org Date (YYYYMMDD): 20110101 <b>adopted 20110823</b>		
1	<b>Encoding Guide Request for</b> <input checked="" type="checkbox"/> <b>an amendment</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>the proposed change affects the Feature Catalogue</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)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) L.1.4 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Add the proposal on          page 2 and continue          with 6 on this page)</i>	Section V to Z and Annexes AA and AB  This is a request referring to section  <i>(Continue with 4)</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. J <input checked="" type="checkbox"/> Object coding of object class wtwaxs <input type="checkbox"/> Illustration		
4	Proposed text: Object Coding of wtwaxs: add the following enumeration to catccl: "12 (VII 9-barge push-tow unit)"		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: The CEMT classification of waterways is containing a class VII, but this class is missing in the enumerations of the attribute catccl (category of CEMT class).		
7	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 an other area of applicability)</i>		
8	Name of sender: Bernd Birkhuber Name of authority or company: bmvit		

	e-mail address: bernd.birkhuber@bmvit.gv.at Date (YYYYMMDD): 20110823 adopted 20111004
--	---

1	<b>Encoding Guide Request for</b> <input checked="" type="checkbox"/> <b>an amendment</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>the proposed change affects the Feature Catalogue</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)</i>	<b>Sections C to U</b>  This is a request <input checked="" type="checkbox"/> referring to page(s) D.2.2 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Add the proposal on page 2 and continue with 6 on this page)</i>	<b>Section V to Z and Annexes AA and AB</b>  This is a request referring to section  <i>(Continue with 4)</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 LNDRGN <input type="checkbox"/> Illustration		
4	Proposed text: Object Encoding:  add attribute: CATLND = [2 (marsh), 12 (swamp)]		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: Alignment with S-57; amendment is needed for charting large marsh or swamp areas		
7	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)</i>		
8	Name of sender: Jacek Łubczonek Name of authority or company: Maritime Academy of Szczecin, Poland e-mail address: j.lubczonek@am.szczecin.pl Date (YYYYMMDD): 20101217		



I suggest to change Encoding instruction A to: "LNDRGN may be used to encode marshes, swamps, parklands, etc. LNDRGN may also be used for landings, islands, points, bends, and any land location that should have a label readily displayed for users of the IENC."

*Jasmine\_Dumollin on 2/15/11 5:35*

As the proposed applicability of this CR is worldwide, we propose to insert the complete list of categories of the attribute CATLND in order to avoid several amendments in the future.

Best regards Jasmine Dumollin

*Jacek on 2/10/11 3:58*

Swamps and marshes have own graphical symbols. In my opinion additional text to the encoding instructions is not necessary.

Best Regards Jacek Lubczonek

*Pieta Kluytenaar on 1/13/11 5:13*

I would suggest to add some text to the encoding instructions. The present text suggests that LNDRGN is only to be used to show names on the display.

Best regards, Peter

*drladue on 1/12/11 13:54*

In addition to adding CATLND = 2 (marsh) and 12 (swamp), the US would also like to propose the addition of CATLND = 11 (parkland) to the new Product Specification for Inland ENCs.



1	<b>Encoding Guide</b> <b>Request for</b> <input checked="" type="checkbox"/> <b>an amendment</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>the proposed change affects the Feature Catalogue</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)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) D.3.1 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Add the proposal on page 2 and continue with 6 on this page)</i>	Section V to Z and Annexes AA and AB  This is a request referring to section  <i>(Continue with 4)</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. C) <input checked="" type="checkbox"/> Object coding of object class VEGATN <input type="checkbox"/> Illustration		
4	Proposed text: Object Encoding: add to CATVEG: 11 (reed)  Encoding Instructions: add: C) In case large areas of reed exist and significantly mask coastline or canal entrance, they shall be encoded		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: Alignment with S-57; in some cases reed efficiently masks coastline or entrance to canal; reed as a chart element should reduce problems of interpretation nature caused mainly by charting only coastline when large areas of reed exist		
7	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)</i>		
8	Name of sender: Jacek Łubczonek Name of authority or company: Maritime Academy of Szczecin, Poland e-mail address: j.lubczonek@am.szczecin.pl		

*Bernd Birkhuber on 3/4/11 6:11*

Dear colleagues, how should we proceed with this Change Request? There are several open questions: 1. Should the CR be restricted to reeds or should all the types of vegetation be included? The complete S-57 list is: 1 : grass 3 : bush 4 : deciduous wood 5 : coniferous wood 6 : wood in general (inc mixed wood) 7 : mangroves 10 : mixed crops 11 : reed 12 : moss 13 : tree in general 14 : evergreen tree 15 : coniferous tree 16 : palm tree 17 : nipa palm tree 18 : casuarina tree 19 : eucalypt tree 20 : deciduous tree 21 : mangrove tree 22 : filao tree

2. Is the proposed Encoding instruction sufficient or do we need additional Encoding Instructions, e.g. for overhanging trees?

Best regards Bernd Birkhuber

*Bernd Birkhuber on 1/19/11 4:01*

I received the following proposal from Jasmine Dummolin (Belgium): "Concerning the CR\_Vegetation we propose to insert the complete list of vegetation types in order to avoid several amendments in the future."

The S-57 list contains: 1 : evergreen 2 : conifer 3 : palm 4 : nipa palm 5 : casuarina 6 : filao 7 : eucalypt 8 : deciduous 9 : mangrove

Shall we add all the values to the IENC Encoding Guide and Feature Catalogue?

Best regards Bernd Birkhuber

*Jacek on 1/15/11 11:48*

Dear Gert

I also thought about overhanging trees. My proposal is to encode such places by Caution Area objects with proper textual information.

Vegetation still grows, especially reed. So periodically this kind of data should be updated.

Dear Peter

My CR refers to non-tidal water areas. River has own changes of the water level but their influence on the water border determined by reed is practically nonexistent. So I think that for this reason common information about reed is sufficient.

Best Regards Jacek

*CH\_IIC on 1/14/11 12:32*

One of the items I discussed a few days ago with Denise was the placement of the two inter-tidal features. Charts display this information on land area, but in the real world reeds, wetlands, mangroves, swamps are inter-tidal zone areas.

There are no specific location requirements or tests for the VEGATN object in s-57/s-58. CATVEG of mangrove has an amendment somewhere along the line that indicates a coastline on the seaward edge, which limits its' placement to land. Realistically, these features should be associated with "Green tint" low water condition depth areas.

*Pieta Kluytenaar on 1/14/11 7:58*

Ha Gert,

I would think that by the time your ENC is this old that vegetation starts growing on it you should consider a new edition ;-)

Best regards, Peter

*gertM on 1/14/11 6:49*

I agree on this CR but I think that we have to widen this topic. The coastline can also been hidden by other vegetation, for example overhanging trees. For navigation purpose it is important to know if the trees are changing the fairway.

Another problem: what do you do with the fact that the vegetation can grow in the charts ?


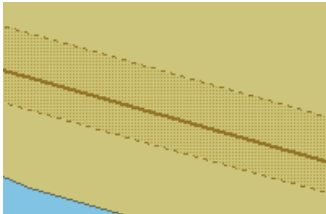
## E - Cultural Features

1	<b>Encoding Guide Request for</b> <input checked="" type="checkbox"/> <b>an amendment</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>the proposed change affects the Feature Catalogue</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)</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)</i> <input checked="" type="checkbox"/> for a new page in section E.3.2 (e.g.: E.1) of the Encoding Guide <i>(Add the proposal on page 2 and continue with 6 on this page)</i>	Section V to Z and Annexes AA and AB  This is a request referring to section  <i>(Continue with 4)</i>
3	<input checked="" type="checkbox"/> Definition <input checked="" type="checkbox"/> Picture: <input checked="" type="checkbox"/> real world <input type="checkbox"/> paper chart <input checked="" type="checkbox"/> IENC <input checked="" type="checkbox"/> Coding instruction lit. J <input checked="" type="checkbox"/> Object coding of object class SLOGRD <input type="checkbox"/> Illustration		
4	Proposed text: See Embankment- page 2		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file: See Embankment- page 2		
6	Explanation, why this amendment/change is needed: Presently there is no way to encode a SLOGRD object with CATSLO = 2 (embankment). This is a real-world feature that should be portrayed on an Inland ENC.		
7	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)</i>		
8	Name of sender: Denise LaDue Name of authority or company: USACE e-mail address: denise.r.ladue@usace.army.mil Date (YYYYMMDD): 20110928		

## E.3 Other Cultural Features

### E.3.2 Embankment (O)

An artificial elevation constructed from earth, stone, etc. carrying a road, railway or similar or serving to dam water.

Graphics	Encoding Instructions	Object Encoding
<p><i>Real World</i></p>  <p><i>IENC Symbolization</i></p> 	<p>A) SLOGRD of type area should be delineated at the toe of the embankment.</p> <p>B) When the SLOGRD is of type area, it must have a LNDARE underneath.</p>	<p><b><u>Object Encoding</u></b></p> <p><b>Object Class</b> = SLOGRD (L,A)</p> <p>(M) CATSLO = [2 (embankment)]</p> <p>(O) NATSUR = [1 (mud), 2 (clay), 3 (silt), 4 (sand), 5 (stone), 6 (gravel), 7 (pebbles), 8 (cobbles), 9 (rock), 11 (lava), 14 (coral), 17 (shells), 18 (boulder)]</p> <p>(O) CONDTN = [1 (under construction), 2 (ruined), 3 (under reclamation), 5 (planned construction)]</p> <p>(M) SCAMIN = [22000]</p> <p>(C) SORDAT = [YYYYMMDD]</p> <p>(C) SORIND = (Refer to Section B, General Guidance)</p>

1	<b>Encoding Guide</b> <b>Request for</b> <input checked="" type="checkbox"/> <b>an amendment</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>the proposed change affects the Feature Catalogue</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)</i>	Sections C to U  This is a request <input checked="" type="checkbox"/> referring to page(s) N.1.2 (e.g.: C.1.5) of the Encoding Guide <i>(Continue with 3)</i> <input type="checkbox"/> for a new page in section (e.g.: E.1) of the Encoding Guide <i>(Add the proposal on page 2 and continue with 6 on this page)</i>	Section V to Z and Annexes AA and AB  This is a request referring to section  <i>(Continue with 4)</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. J <input checked="" type="checkbox"/> Object coding of object class LIGHTS <input type="checkbox"/> Illustration		
4	Proposed text: Encoding Instruction: M) (US) For airport runway lights, encode CATLIT = 5 (aero light). Encode EXCLIT = 4 (night light) if appropriate.		
5	Proposed picture/illustration: Attach the file to the form, please. Name of file:		
6	Explanation, why this amendment/change is needed: It has been determined that there is a need to include CATLIT = 5 (aero) due to the presence of such lights along inland waterways. In this particular case, the lights are within the waterway and used align aircraft with the runway as they approach from the NE.		
7	Proposed applicability: <i>mark all applicable boxes</i> <input checked="" type="checkbox"/> US <input type="checkbox"/> Europe (without Russia) <input type="checkbox"/> Russia <input type="checkbox"/> South America <input type="checkbox"/> Asia <i>(description of an other area of applicability)</i>		
8	Name of sender: Denise LaDue Name of authority or company: USACE e-mail address: Denise.R.LaDue@usace.army.mil Date (YYYYMMDD): 20110928		



## Discussion Topic: General Discussions

*Posted 2/9/11 by drladue*

### Encoding of Photo Sensor locations

Dear Colleagues,

I was asked recently by a river pilot/skipper whether it would be possible to add the location of photo sensors to our charts. These sensors apparently allow pilots to shine a light on the sensor which subsequently turns off the non-navigation lights on a bridge as they are approaching it and allows them to focus only on the navigation lights rather than the super-structure of the bridge. Is this something that others in your region are interested in or do you have a recommendation on how best to encode such a feature?

Thank you in advance for your assistance.

Denise LaDue

*Pieta Kluytenaar on 2/16/11 8:57*

There are similar features on the smaller waterways in Europe, like sensors that automatically operate a bridge or lock when a ship passes, or talk back installations where boat owners without VHF or mobile communication can communicate with the bridge or lock operator. The locations that I know have no official IENCs though, but perhaps the private companies that now provide coverage are interested?

*Bernd Birkhuber on 2/15/11 5:14*

Dear Denise, we do not have this kind of sensors in Austria and I have never heard about installations in other European countries, although it is an interesting solution. I think it would be useful to encode the position of the sensor in the Inland ENC, but we would need to introduce a new feature.

The sensor has the big advantage that you do not need any special equipment on the vessel, but if all the vessels are equipped with AIS the activation of the sensor with a light might be replaced with a specific AIS message. In this case the position of the AIS receiver would not be important, but it would be useful to encode the information that there is such a receiver. Other technologies might be used in the future, too (e.g. activation by mobile phone, WLAN, via internet, ...). I suppose that these things do not exist at the moment, but we should take them into account if we introduce a new feature (feature class "sensor" with attribute category of sensor "light sensitive" and attribute purpose (?) "reduction of lights on the bridge" instead of a feature class "light sensitive sensor for the reduction of lights on a bridge". It should be easy to introduce additional attribute values in the future).

Best regards Bernd Birkhuber



## Discussion Topic: General Discussions

*Posted 8/22/11 by tdepuyt*

**What product name do agencies use to describe the paper version of an IENC?**

Dear Colleagues,

In order to standardize some internal conversation at my office I would like to know what the general consensus is on what agencies call a paper version of the IENC. For the sea going mariner we use the term paper chart to describe the product. Do most agencies responsible for river water ways use the same term or some other variation such as inland paper chart, river book, inland chart or something else?

Thank you in advanced for your assistance,

Tom De Puyt

*Haupt on 10/5/11 9:21*

Dear Colleagues, we produce paper versions of IENCs in Germany in the waterway district south (Main, Main-Danube-Kanal, German part of Danube) and call it "Streckenatlas". In the attachment in an exemple (Main, Part 1).

*gertM on 8/24/11 1:33*

Until now, we haven't got any paper version of the IENC ! But I think it would be a great benefit to have them. Could you tell me more about these paper versions ? If you want, you can contact me (g.morlion@descheepvaart.be)

*drladue on 8/23/11 9:13*

The US Army Corps of Engineers commonly refers to them as Inland Chart Books (as on our webpage), however more colloquially, we refer to them as paper chart books.

Best regards, Denise

## Discussion Topic: General Discussions

*Posted 8/31/11 by Bernd Birkhuber*

### **Use of the feature time schedule general (tisdge)**

The operating hours of infrastructure like locks or movable bridges are important information for the voyage planning on inland waterways. The external XML-file which is described in Annex AF of the Encoding Guide for Inland ENC's provides the possibility to encode machine readable information about the communication details of infrastructure (address, phone and fax numbers, e-mail addresses, URL, radio communication, details of contact persons) and the operating hours.

According to the Encoding Guide the file name of the XML-file with the communication information has to be encoded in the TXTDSC attribute of the lock/bridge/& and the file name of the XML-file with the time schedule has to be encoded in the attribute schref of the feature tisdge which has to be associated with the lock/bridge/&

Sometimes there are different time schedules for different types of vessels (e.g. for line traders, occasional professional shipping and leisure boats). In this case it is clear that every time schedule has to be encoded in a separate file and it is necessary to encode several tisdge features that describe the affected group of vessels for each XML-file.

But in many cases there is only one time schedule. And in this case the most economical way of encoding would be to produce one XML file with the communication information and the time schedule and to encode only the TXTDSC attribute. The question is whether voyage planning applications are able to evaluate a time schedule, if there is no tisdge feature.

So there are three possibilities how to encode the time schedule of a piece of infrastructure which has only one time schedule for all types of vessels:

1. One XML-file with communication information and time schedule, file name in the attribute TXTDSC of the object.
2. One XML-file with communication information and time schedule, file name in the attribute TXTDSC of the object itself and in the attribute schref of a tisdge feature which is associated with the object.
3. One XML-file with communication information only, file name in the attribute TXTDSC of the object, and an additional XML-file with the time schedule, file name in the attribute schref of a tisdge feature which is associated with the object.

For the chart producers option 1 would be the most comfortable. If it is acceptable for the software companies, we would have to prepare a Change Request for the Encoding Guide. Options 2 and 3 would be in line with the Encoding Guide, but are creating additional workload for the chart producers. Option 3 has the additional disadvantage that the header section of the XML file has to be encoded two times.

May I ask the software companies (and especially those companies who are producing voyage planning applications or are planning to produce voyage planning applications) to react and to provide information whether option 1 (or 2) would be acceptable?

If the information is only read by the boatmaster option 1 should not create any problems. A person will be happy to find all information in one file.

Best regards Bernd Birkhuber

## Discussion Topic: General Discussions

*Posted 4/7/11 by Bernd Birkhuber*

### Improvement of the form for Change Requests



Dear colleagues, the work on edition 2.3 of the various parts of the Product Specification for Inland ENC's has shown that it is sometimes very hard to keep all documents in line. While some Change Requests are only dealing with the Encoding Guide, others are also affecting one or more entries of the Feature Catalogue, Annexes of the Encoding Guide, the S-100 registry or the Recommended Validation Checks for Inland ENC's.

In order to make the maintenance of the documents easier and to ensure that we do not create new inconsistencies I would propose to improve the form for Change Requests. In the annex you will find a proposal. The new form would provide a better basis for the persons who are maintaining the different documents of the standard.

Please check the new proposed new form and send your comments.

Best regards Bernd Birkhuber

*Bernd Birkhuber on 4/20/11 2:02*



I have amended the form according to the comments from Jasmine and Flavia.

Do we really need a distinction between additions and changes of the EG in the header of the form? Maybe it would be sufficient to have a clear distinction between amendments (additions and changes) that do not affect the FC and amendments (again additions and changes) that do affect the FC.

Denise and Peter, would it be possible to add a second page with a form for the necessary data for the registering of a new feature/attribute/enumeration in S-100? I think this would be useful. If you can provide a list of the data elements I can put them into the form.

Best regards Bernd Birkhuber

*flavia on 4/19/11 11:33*

Sorry, I have some doubts: if a new object class or attribute is being proposed, should it be an addition? On field 1 (Encoding Guide request for;), the addition explanation seems a little bit confusing to me in this case of a new object class. On S-100 registry field, may we create a standard form to be filled in? Another issue: may we replace "South America" by "Brazil" on field 10? There is no standard for the whole South America, like in Europe.

*jasmine\_dumollin on 4/19/11 5:00*

The form became much clearer now. Wouldn't it be useful to define the concerned edition of the Enc. Guide, Feature Catalogue, etc to which the amendment/addition is proposed? It seems obvious for most of us but as not every nation is using the latest standard it might be confusing for some people. Jasmine

*Bernd Birkhuber on 4/8/11 1:40*

You are right, this has to be corrected. I will replace the checkbox with a field for the deadline date.

Bernd

*gertM on 4/8/11 1:18*

Indeed Peter, there is a checkbox for a deadline but no date. It would easier if the date is filled in...

*Pieta Kluytenaar on 4/7/11 14:04*

Seems very useful to me. Shouldn't there be a field where the date of the deadline for comments can be filled in?

Peter

*drladue on 4/7/11 10:33*

Bernd,

I think the proposed changes look good. It helps offer some clarification and also helps to ensure that items are clarified at the time of the proposal rather than after acceptance.

Best regards, Denise LaDue

[CR\\_form\\_2011.dot](#)

1	<b>Encoding Guide Edition 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 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 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 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:		
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 Recommended Validation Checks for IENCs:		
10	Proposed applicability: <i>mark all applicable boxes</i> <input type="checkbox"/> US <input type="checkbox"/> Europe (without Russia) <input type="checkbox"/> Russia <input type="checkbox"/> Brazil <input type="checkbox"/> Asia <i>(description of an other area of applicability)</i>		
11	Name of sender:  Name of authority or company:  e-mail address: Date (YYYYMMDD):	To be filled in by a member of the Core Group: <input type="checkbox"/> Proposal checked for completeness by  Deadline for comments <input type="checkbox"/> Proposal adopted/ <input type="checkbox"/> Proposal rejected Will become part of edition                      of the EG.	

The file name should start with "CR\_", followed by a reference to a page of the EG or the content and include the year. (Examples: CR\_H\_1\_2\_2010.doc or CR\_bridges\_2010.doc)

[Section]		
[Sub-section]		
<p align="right"><b>[Name of the real world object (O or C or M)]</b></p> <p>[Description of the real world feature]</p>		
Graphics	Encoding Instructions	Object Encoding
<i>Real World</i>  <i>Chart Symbol</i>  <i>IENC Symbolization</i>	A) [Text]	<b><u>Object Encoding</u></b>  <b>Object Class = [Text]</b> [(M) SCAMIN = [] (C) SORDAT = [YYYYMMDD] (C) SORIND = (Refer to Section B General Guidance)]