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| 0 | **Title:** Alignment of the FC for bIENCs with the Product Specification  **CR number:** 412 **Version:** 1  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 for bIENCs *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s)        *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  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 Feature Catalogue for bathymetric IENCs allows the encoding of the meta object survey reliability (M\_SREL) as a line. This is in contradiction to the Product Specification for bathymetric IENCs. It is also not necessary to encode M\_SREL as a line. The Feature Catalogue for bathymetric IENCs is containing the meta object accuracy of non-bathymetric data (M\_ACCY). This is in contradiction to the Product Specification for bathymetric IENCs. It is also not necessary to encode the accuracy of non-bathymetric data in a bIENC, because it may only conatin bathymetric data. | | | |
| 7 | Proposed amendments to the Feature Catalogue: Feature Catalogue for bathymetric IENCs:  - Delete the geometric primitive L of M\_SREL.  - Delete M\_ACCY. | | | |
| 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*  US  Europe (without Russia)  Russia  South America  Asia        *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Bernd Birklhuber  Name of authority or company: Ministry of Climate Action, Austria  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20210901 | | Deadline for comments 20211013 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6/401 of the EG. | |

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| 0 | **Title:** Replace "real AIS AtoN" with "physical AIS AtoN"  **CR number:** 413 **Version:** 2  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  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 *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class bcnlat, boylat, BOYSPP  Illustration | | | |
| 4 | Proposed addition/change: Replace "1 (AtoN)" with "1 (Aid to Navigation)", "2 (Real AIS AtoN)" with "2 (Physical AIS Aid to Navigation)" and "3 (Virtual AIS AtoN)" with "3 (Virtual AIS Aid to Navigation)" for the attribute typatn | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | |
| 6 | Explanation, why this amendment/change is needed:  We should use the IMO wording "physical Aid to Navigation" (see IMO MSC1 Circ1473). It will also be used by other international standards, e.g. ITU-R M.1371-6. The existing enumerations "AtoN" and "Virtual AIS AtoN" have to be alligned with wording of the S-100 registry. | | | |
| 7 | Proposed amendments to the Feature Catalogue: For the enumeration typatn\_1: replace "AtoN" with "Aid to Navigation". For the enumeration typatn\_2: replace "Real AIS AtoN" with "Physical AIS Aid to Navigation". For the enumeration typatn\_3: replace "Virtual AIS AtoN" with "Virtual AIS Aid to Navigation". | | | |
| 8 | Proposed amendments to the Inland ENC domain in the S-100 registry: Withdraw the enumeration Item ID 1697, AtoN. Replace it with a new enumeration with the name "Aid to Navigation" and the Camelcase "aidToNavigation" (rest copied from the existing enumeration). Withdraw the enumeration Item ID 1698, Real AIS AtoN. Replace it with a new enumeration with the name "Physical AIS Aid to Navigation" and the Camelcase "  physicalAISAidToNavigation" (rest copied from the existing enumeration). Withdraw the enumeration Item ID 1699, Virtual AIS AtoN. Replace it with a new enumeration with the name "Virtual AIS Aid to Navigation" and the Camelcase "virtualAISAidToNavigation" (rest copied from the existing enumeration). | | | |
| 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*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Bernd Birklhuber  Name of authority or company: Ministry of Climate Action, Austria  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20210906 | | Deadline for comments 20211018 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6/401 of the EG. | |

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| 0 | **Title:** Delete enumeration 22 of CATLMK in the FC  **CR number:** 414 **Version:** 1  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s)        *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  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 FC is listing enumeration 22 as a possible enumeration of the attribute CATLMK of the feature LNDMRK, but is not containing an enumeration 22 for CATLMK. | | | |
| 7 | Proposed amendments to the Feature Catalogue: Delete ", 22" in the list of possible enumerations of the attribute CATLMK of the feature LNDMRK | | | |
| 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*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Bernd Birklhuber  Name of authority or company: Ministry of Climate Action, Austria  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20210901 | | Deadline for comments 20211013 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

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| 0 | **Title:** Change the type of CATTEV to Enumeration  **CR number:** 415 **Version:** 1  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s)        *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  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:  In the FC Ed2.5 corr1, the attribute Category of temporal variation CATTEV is described as an attribute of the type List, but according to the S-100 registry (and S-101) it is defined as an attribute of the type Enumeration. As only one of the available enumeration values can be valid for a specific feature, the FC should be alligned with the S-100 registry. | | | |
| 7 | Proposed amendments to the Feature Catalogue: For the attribute Category of temporal variation CATTEV: replace the Value Type "L" with "E". | | | |
| 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*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Bernd Birklhuber  Name of authority or company: Ministry of Climate Action, Austria  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20210906 | | Deadline for comments 20211018 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

*CR 416 and CR 417 have been withdrawn*

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| 0 | **Title:** Make CONRAD optional and restrict it to enumeration 3 for buoys and beacons  **CR number:** 418 **Version:** 1  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) O.2.5, O.2.9, O.2.10, O.2.11 and O.4.2  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class BCNISD, BCNSAW, BCNSPP, BOYSPP  Illustration | | | |
| 4 | Proposed addition/change: The attribute CONRAD should be optional for all buoys and beacons and only contain enumeration 3. This requires the following changes in the Encoding Guide:  Page O.2.5: Replace "(C) CONRAD = [3 (radar conspicuous (has radar reflector))]" with "(O) CONRAD = [3 (radar conspicuous (has radar reflector))]".  Pages O.2.9, O.2.10, O.2.11 and O.4.2: Replace "(O) CONRAD = [1 (radar conspicuous), 2 (not radar conspicuous), 3 (radar conspicuous (has radar reflector))]" with "(O) CONRAD = [3 (radar conspicuous (has radar reflector))]". | | | |
| 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 is only containing enumeration 3 of the attribute CONRAD for all buoys and beacons. The idea was that it should only be encoded whether the buoy/beacon has a radar reflector. For buoys/beacons without a radar reflector it is difficult to decide whether they are radar conspicious or not, because this is depending on the type and position of the radar antenna, the weather and the height of the waves. The EG is however mentioning other enumerations (O.2.9, O.2.10, O.2.11, O.4.2). It is correct in all other instances. It should be aligned with the Feature Catalogue on these four pages.  The Encoding Guide is once listing the attribute as conditional without describing a condition (O.2.5). In all other cases it is described as optional. The Feature Catalogue is listing the attribute once as mandatory and two times as conditional, in all other cases as optional. As it can only be encoded with enumeration 3 or not encoded it has to be optional in all cases. | | | |
| 7 | Proposed amendments to the Feature Catalogue:  Feature BCNSPP attribute CONRAD: replace "M" with "O".   Feature BOYSAW attribute CONRAD: replace "C" with "O". | | | |
| 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: If check 2000 is kept: attribute CONRAD, for the features BCNSPP replace "3#" with "3\*". | | | |
| 11 | Proposed symbol(s):  Attach the file to the form, please. Name of file: --- | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Bernd Birklhuber  Name of authority or company: Ministry of Climate Action, Austria  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20211006 | | Deadline for comments 20211117 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6/401 of the EG. | |

*CR 419 has been adopted on the forum, but rejected by the IEHG meeting. Had to be updated, but no update has been submitted. Therefore no influence on 2.6*

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| 0 | **Title:** Correction encoding instructions  **CR number:** 420 **Version:** 1  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) U.1.1, U.1.2  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit. lg\_sdm, lg\_vsp: instruction F  Object coding of object class  Illustration | | | |
| 4 | Proposed addition/change: F) If the value 2 ‘other’ is used for one of the above category attributes the description attribute (lg\_des) must be used to describe the details or indicate where detailed information can be found. | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | | |
| 6 | Explanation, why this amendment/change is needed:  The encoding instruction F of both features is refering to a value 1 (other) for all attributes describing the category of ship. The value is incorrect and has to be changed into '2'. | | | |
| 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*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Gert Morlion  Name of authority or company: De Vlaamse Waterweg  e-mail address: gert.morlion@vlaamsewaterweg.be  Date *(YYYYMMDD):* 20211022 | | Deadline for comments 20211203 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

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| 0 | **Title:** Amend the ToR of IEHG and the introduction to the Encoding Guide  **CR number:** 421 **Version:** 1  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit. A  for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s)        *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | | |
| 4 | Proposed addition/change: See the proposed changes in track-changes-format in the two annexes of this change request. | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | | |
| 6 | Explanation, why this amendment/change is needed:  Terms of Reference: IHO has established a Concept Register in the S-100 registry, that does not contain any domains. If a new element should be introduced in a domain, it is first necessary to register the concept in the Concept Register. The paragraph of the ToR that is delaing with the introduction of new elements has therefore to be amended. As there are different procedures now for the use of elements, that are already used in another domain, for the use of concepts with other specifications as in another domain and for the introduction of new elements the XVI. IEHG meeting proposes to shorten the paragraph in the ToR. No. 6 of Annex A of the ToR has to be amended because the standards of IEHG have now to be submitted to the European Union and the Central Commission for Navigation on the Rhine via the new European Committee for drawing up standards in the field of inland navigation (CESNI).  Introduction of the Encoding Guide: as the former European Inland ECDIS expert group has become the "Temporary Working Group Inland ECDIS of the European Committee for drawing up standards in the field of inland navigation (CESNI), the Introduction has to be amended. The EuropeaThe URLs of the website and the discussion forum have to be updated. | | | |
| 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*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Bernd Birklhuber  Name of authority or company: on behalf of the XVI. IEHG meeting  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20211029 | | Deadline for comments 20211210 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

*Annexes*

**Terms of Reference of IEHG**

**2. Guiding Principles**

5. Operation of an Inland ENC Domain within the S-100 ~~IHO~~ Geospatial Information Registry ~~for additional real-world, IENC features, attributes, and enumerations that are not already contained in IHO S-57 Edition 3.1 Object Catalogue~~.

**Annex A**

**6. Submission and Implementation**

The IEHG submits Inland ENC standards for formalisation to:

- Interested international organisations like IHO, the European Commission (EC) and~~,~~ the Central Commission for Navigation on the Rhine (CCNR) via the European Committee for drawing up standards in the field of inland navigation (CESNI), the Danube Commission (DC), the Economic Commission for Europe of the United Nations (UN/ECE) and Mekong River Commission,

- National competent authorities

**Introduction of the Encoding Guide**

European participants take part on behalf of the Temporary Working Group Inland ECDIS of the European Committee for drawing up standards in the field of inland navigation (CESNI) which has replaced the former European Inland ECDIS Expert Group.

https://ienc.openecdis.org~~/~~ (3 times)

~~https://iehg.centralus.cloudapp.azure.com/login~~ https://partners.usace.army.mil/sites/LRL/IHG/default.aspx

Change Request (CR)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 0 | **Title:** Additonal 'catsen' attribute value and New SVG symbol  **CR number:** 422 **Version:** 1  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.6 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr.1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) R.4.1  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit. B  Object coding of object class sensor  Illustration | | | |
| 4 | Proposed addition/change: Object Coding:  Add catsen = 3 (radio activated)  Add COMCHA (Conditional) [[XXXX];[XXXX];...]  Add INFORM = Details associated with catsen, e.g. The decorative lights can be extinguished for 15-minutes by setting your VHF-FM radio to Channel 28 and rapidly clicking the mic 3 times.  Encoding Instruction:  B) If catsen = 3 (radio activated), COMCHA must be used.The attribute "communication channel" encodes the various VHF-channels used for communication. Each VHF-channel should be indicated by 2 digits and up to 2 characters (A-Z); e.g., VHF-channel 7 -> 07’, VHF-channel 16 -> >16’; The indication of several VHF-channels is possible  The US presently uses the lookup tables for the European standard, so the symbol should be added to the EU standard and to the S-401 PC | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | |
| 6 | Explanation, why this amendment/change is needed:  Sensors for the reduction of bridge lighting can be activated by radio, which is currently not a valid attribute. | | | |
| 7 | Proposed amendments to the Feature Catalogue: Add catsen = 3 (radio activated) | | | |
| 8 | Proposed amendments to the Inland ENC domain in the S-100 registry: NA - radio activated is already registered | | | |
| 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: sensor\_svg.zip | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Denise LaDue  Name of authority or company: US Army Corps of Engineers  e-mail address: denise.r.ladue@usace.army.mil  Date *(YYYYMMDD):* 20240223 | | Deadline for comments 20240405 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. | |

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| 0 | **Title:** Modification of the definition of 'refgag'  **CR number:** 423 **Version:** 2  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr.1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) G.1.X  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit. B  Object coding of object class refgag  Illustration | | | |
| 4 | Proposed addition/change: Encoding Guide, Encoding Instruction:  For all Bridges, Tunnels, Overhead Obstructions, modify the Encoding Instruction referenced by 'refgag" to read:  EU: If there is a gauge which can be used to do a reliable calculation of the vertical clearance of the bridge under all navigation conditions, the ISRS Location Code of the gauge shall be encoded in the attribute 'refgag'.  US: If there is a gauge which can be used to calculate the vertical clearance of the bridge, the  gauge name acronym shall be encoded in the attribute 'refgag' | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | |
| 6 | Explanation, why this amendment/change is needed:  In the US, gauges are also used to show real-time clearance levels. The definition of "refgag" is not applicable in the US, as "ISRS" is soley used by the EU.  The 17th IEHG meeting came to the conclusion that the Encoding Instruction for Europe has to be amended. There are bridges for which a specific gauge will only provide reliable vertical clearances in specific situations and another guge has to be used in other situations (e.g. if the water level is influenced by tide on one hand and the discharge of one or more rivers on the other hand). Encoding a gauge "that can be used for calculation" could lead to wrong calculations in some situations and the gauge should not be encoded in that case. refernce gauges should only be encoded if they can be used for a reliable calculation. | | | |
| 7 | Proposed amendments to the Feature Catalogue: Modify the definition of 'refgag' to be "The ISRS code of the gauge, or the acronym of the gague, which can be used to calculate the vertical clearance" | | | |
| 8 | Proposed amendments to the Inland ENC domain in the S-100 registry: Modify the definition of 'refgag' to be "The ISRS code of the gauge, or the acronym of the gague, which can be used to calculate the vertical clearance" ) | | | |
| 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*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Denise LaDue, updated by Bernd Birklhuber  Name of authority or company: US Army Corps of Engineers, update on behalf of the 17th IEHG meeting  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20231103 | | Deadline for comments 20231215 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

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| 0 | **Title: Correction of error in EG 2.5.1**  **CR number:** 424 **Version: 2** *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | |
| 1 | **Encoding Guide Edition**       **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) O.2.2  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class COLOUR  Illustration | | |
| 4 | Proposed addition/change: Reason: the coloured stripes (black, white) are described by the colour values and as text. The text however doesn’t stroke with the values.  Correction: COLOUR: [2,1,2,1,2 (white, black, white, black, white)] needs to be changed into [2,1,2,1,2 (black, white, black, white, black)] | | |
| 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 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | |

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| 13 | Name of sender: Gert Morlion  Name of authority or company: De Vlaamse Waterweg  e-mail address: gert.morlion@vlaamsewaterweg.be  Date *(YYYYMMDD): 2022-03-01* | Deadline for comments 2022-04-12 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. |

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| 0 | **Title:** Add new CATREA values  **CR number:** 425 **Version:** 2  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) M.2.1  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section AA  *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page and add the proposal on page 2 after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | | |
| 4 | Proposed addition/change: Add new enumeration values for the attribute 'Category of Restricted Area': 6, 8, 10, 14, 18, 20, 21, 24, 27, 28, 29, 30, 31, 32  The foloowing lines have to be copied from S-52 into the Lookup Tables for areas:  "RESARE","CATREA27","SY(ESSARE01);LC(ESSARE01)","5","S","STANDARD","26010"  "RESARE","CATREA28","SY(PSSARE01);LC(ESSARE01)","5","S","STANDARD","26010" | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | |
| 6 | Explanation, why this amendment/change is needed:  Because there are no inland specific enumerations of CATREA it was decided to make all hydro values for this attribute available | | | |
| 7 | Proposed amendments to the Feature Catalogue:  - add new values to CATREA:  6 DD Name: HYDRO Code: CATREA\_6 Date accepted: 2022-11-23  Name: Game Reserve  Definition: A place where wild animals or birds hunted for sport or food are kept undisturbed for private use.  7 DD Name: HYDRO Code: CATREA\_7 Date accepted: 2022-11-23  Name: Seal Sanctuary  Definition: A place where seals are protected.  8 DD Name: HYDRO Code: CATREA\_8 Date accepted: 2022-11-23  Name: Degaussing Range  Definition: An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring).  10 DD Name: HYDRO Code: CATREA\_10 Date accepted: 2022-11-23  Name: Historic Wreck Area  Definition:  14 DD Name: HYDRO Code: CATREA\_14 Date accepted: 2022-11-23  Name: Minefield  Definition: An area laid and maintained with explosive mines for defence or practice purposes.  18 DD Name: HYDRO Code: CATREA\_18 Date accepted: 2022-11-23  Name: Swimming Area  Definition: An area in which people may swim and therefore vessel movement may be restricted.  20 DD Name: HYDRO Code: CATREA\_20 Date accepted: 2022-11-23  Name: Research Area  Definition: An area where marine research takes place.  21 DD Name: HYDRO Code: CATREA\_21 Date accepted: 2022-11-23  Name: Dredging Area  Definition: An area where dredging is taking place.  24 DD Name: HYDRO Code: CATREA\_24 Date accepted: 2022-11-23  Name: No Wake Area  Definition: An area in which a vessels' speed must be reduced in order to reduce the size of the wake it produces.  27 DD Name: HYDRO Code: CATREA\_27 Date accepted: 2022-11-23  Name: Environmentally Sensitive Sea Area  Definition: A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.  28 DD Name: HYDRO Code: CATREA\_28 Date accepted: 2022-11-23  Name: Particularly Sensitive Sea Area  Definition: An area that needs special protection through action by IMO because of its significance for regional ecological, socio-economic or scientific reasons and because it may be vulnerable to damage by international shipping activities.  29 DD Name: HYDRO Code: CATREA\_29 Date accepted: 2022-11-23  Name: Disengagement Area  Definition: An area near a fairway where vessels can go to clear the way or make an about turn and possibly return to a waiting area when nautical conditions impose it.  30 DD Name: HYDRO Code: CATREA\_30 Date accepted: 2022-11-23  Name: Port Security Area  Definition: An area in which defence, law and treaty enforcement, and counter-terrorism activities that fall within the port and maritime domain apply.  31 DD Name: HYDRO Code: CATREA\_31 Date accepted: 2022-11-23  Name: Coral Sanctuary  Definition: A place where coral is protected.  32 DD Name: HYDRO Code: CATREA\_32 Date accepted: 2022-11-23  Name: Recreation Area  Definition: An area within which recreational activities regularly take place and therefore vessel movement may be restricted. | | | |
| 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*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Gert Morlion  Name of authority or company: De Vlaamse Waterweg  e-mail address: gert.morlion@vlaamsewaterweg.be  Date *(YYYYMMDD):* 20231114 | | Deadline for comments 20231226 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

*CR 426 will only be implemented in S-401*

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| 0 | **Title:** Add unlocd attribute to boat ramp  **CR number:** 427 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) G.3.1, S.1.2  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit. E for G.3.1 and B for S.1.2  Object coding of object class SLCONS  Illustration | | | | |
| 4 | Proposed addition/change: Add the Encoding Instruction "E) If the ISRS Location Code is available it has to be encoded (refer to General Guidance section H)." to page G.3.1.  Add the Encoding Instruction "B) If the ISRS Location Code is available it has to be encoded (refer to General Guidance section H)" to page S.1.2.  Add "(C) unlocd = [ISRS Location Code]" to the Object Encoding of SLCONS on page G.3.1 and to the Object Encoding of HRBFAC on page S.1.2. | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | | | |
| 6 | Explanation, why this amendment/change is needed:  France intends to assign ISRS codes to boat ramps and the information should be available for voyage planning. The attribute would also allow to publish Notices to Skippers for boat ramps (e.g. if a boat ramp is temporarily not usable. | | | | |
| 7 | Proposed amendments to the Feature Catalogue: Add "unlocd C" to the features SLCONS and HRBFAC. | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Bernd Birklhuber  Name of authority or company: BMK  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20230214 | | Deadline for comments 20230331 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

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| 0 | **Title:** URLs in the ToR and the Introduction to the EG  **CR number:** 428 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit. A  for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s)        *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | | | |
| 4 | Proposed addition/change: Terms of Refrence of IEHG, Annex B: replace "http://ienc.openecdis.org" with "https://ienc.openecdis.org".  Introduction to the Encoding Guide for Inland ENCs: replace "https://partners.usace.army.mil/sites/LRL/IHG/default.aspx" (see CR 421) with "https://wss.apan.org/army/iehg/", two times. | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | | | |
| 6 | Explanation, why this amendment/change is needed:  The URLs have to be updated. | | | | |
| 7 | Proposed amendments to the Feature Catalogue: --- | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Bernd Birklhuber  Name of authority or company: BMK  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20230307 | | Deadline for comments 20230419 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

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| 0 | **Title:** Improved support for „on request“ and „self-service“ in facility files  **CR number:** 429 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition**       **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s)        *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section AF - XML  *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | | | |
| 4 | Proposed addition/change:  Ths proposal is making changes to the facility file. The element TTimeFrame will be extended with the new element TOperationMode.   |  | | --- | | <xs:complexType name="TTimeFrame">  <xs:sequence>  <xs:element name="start" type="xs:time"/>  <xs:element name="end" type="xs:time"/>  <xs:element name="remark" type="TRemark" minOccurs="0" maxOccurs="unbounded"/>  <xs:element name="target\_group" type="TTargetGroup" minOccurs="0" maxOccurs="unbounded">  <xs:annotation>  <xs:documentation>Target group information</xs:documentation>  </xs:annotation>  </xs:element>  **<xs:element name="mode" type="TOperationMode" minOccurs="0" maxOccurs="1"/>**  </xs:sequence>  </xs:complexType>  **<xs:simpleType name="TOperationMode">**  **<xs:restriction base="xs:string">**  **<xs:enumeration value="NoOperation"/>**  **<xs:enumeration value="NormalOperation"/>**  **<xs:enumeration value="SelfService"/>**  **<xs:enumeration value="OnRequest"/>**  **<xs:enumeration value="Curfew"/>**  **<xs:enumeration value="OnRequestInAdvance"/>**  **<xs:enumeration value="ContinouslyOpen"/>**  **</xs:restriction>**  **</xs:simpleType>** |   The following operation mode codes shall be available for this element:   |  |  | | --- | --- | | NoOperation | Object is not available; bridge or lock are closed -> no passing | | NormalOperation | Object is available | | SelfService (new) | Object is available; bridge and lock are open, but user must operate the object themselves | | OnRequest (new) | Object is available on request. User must call in advance to pass the object | | Curfew (new) | Same as NoOperation but in Flanders this is used to indicate that the object is not available to give precedence to road traffic during rush hours | | OnRequestInAdvance (new) | The request needs to be done X hours in advance by following a specific procedure. The modalities and the procedure ned to be provided in the remark field | | | ContinouslyOpen (new) | In some cases, the object is continuously open for the vessels. Examples:   * a train bridge is left open at night because there is no train traffic. * a lock is only operated at a certain stage when a nearby barrage is open or closed (depends on the situation) | |   If no value has been provided for the **mode** field, then the default value will be derived from the type “No Operation” or “Operation” at the **time\_schedule** element.  The “Schema File Location” and the “Target Namespace” have to be updated accordingly. | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | | |
| 6 | Explanation, why this amendment/change is needed:  To avoid potential errors and mistakes, an optional operation mode enumeration for each event must be added. This will improve the support of special modes of operation such as "on request" and "self-service". Therefore, the possible enumeration for the type of operation has to be amended with the new values as described above and a special remark isn’t necessary anymore. | | | | |
| 7 | Proposed amendments to the Feature Catalogue: | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Gert Morlion  Name of authority or company: De Vlaamse Waterweg  e-mail address: gert.morlion@vlaamsewaterweg.be  Date *(YYYYMMDD):* 20230529 | | Deadline for comments 20230710 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. | |

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| 0 | **Title:** Introduction of the Maritime Resource Name (MRN)  **CR number:** 430 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit. L  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) all with the attributes unlocd or/and refgag  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class all object classes with the attributes unlocd or/and refgag  Illustration | | | | |
| 4 | Proposed addition/change: Section B, General Guidance:  Amend the last line under B. Attribute Classes Associated With All Geo Object Classes, TXTDSC, to read: "EU: The ISRS Location Code or the RIS-ID can be used for the file name, e.g. DEXXX039000000005023.XML."  add the following lit. L: "L. Location Maritime Resource Name The attribute locationMRN/locmrn should be used to encode a unique identifier of the respective feature. The unique identifier allows the connection of the information regarding the feature in the IENC with information provided by other services (e.g. AIS or Notices to Skippers). The attribute locationMRN can be encoded with a MRN in accordance with the rules of IALA or another organization or with a MRN specific for Inland ENCs. The structure of the MRN for Inland ENCs is:  urn:mrn:iehg:’<type>’:’<type-specific-part>’ ’<type>’:’<type-specific-part>’ has to be encoded in accordance with one of the following options: La. <type> uuid If the type uuid is used the <type-specific-part> has to be encoded with a UUID in accordance with https://en.wikipedia.org/wiki/Universally\_unique\_identifier . Example: urn:mrn:iehg:uuid:123e4567-e89b-12d3-a456-426614174000 Lb. <type> obj If the type obj is used the <type-specific-part> has to be filled with :<ISO 3166 Code>:<managed name spaces>.  where <ISO 3166 Code> is the identifier defined by ISO 3166-1 alpha-2 codes for the representation of names of a country, territory, or area of geographical interest.  The national IENC authority (e.g. national IEHG member) must ensure, that the <managed name spaces> is unique within the domain, and that the syntax of the <managed name spaces> complies with the general MRN guidelines. The national IENC authority can assign codes to other national organizations that can manage their own namespaces.  Examples:  urn:mrn:iehg:obj:us:fa:42.42  In this example the fleeting area with identifier 42.42 defined by the USACE.  urn:mrn:iehg:obj:be:dvw:lock123  In this example the ISO 3166 code for Belgium is be. Within Belgium there are different local authorities and so a further identifier is used: dvw for Vlaamse Waterweg in this example where the Flemish lock identifier is lock123. Lc. use of a type code for a specific type of objects as <type> Any IEHG member can submit a request for a new <type> for a specific type of objects (e.g. lock, bridge) to IEHG via the IEHG discussion forum. The request has to conatin the rules how to guarantee the uniqueness of the MRN that will be assigned for that <type>. It could for example be the rule to encode <ISO 3166 Code>:<managed name spaces> for the respective type of object (as described under Lb). The request should also define an area of applicability, e.g. one or more countries or a region. The request is adopted if there is no veto within 6 weeks. The adopted types and the rules for the encoding will be published on https://ienc.openecdis.org and in the next version or edition of the Encoding Guide.  Ld. use of a unique solution for a region as <type> If a region that does not have an ISO 3166 code agrees on a common namespace management it can submit a request for a new <type> to IEHG via the discussion forum. The request has to conatin the rules how to ensure the uniqueness of the MRN that will be assigned for that <type>. The request should also define an area of applicability. The request is adopted if there is no veto within 6 weeks. The adopted types and rules for the encoding will be published on https://ienc.openecdis.org and in the next version or edition of the Encoding Guide. In Europe the attribute has to be encoded with  - an existing maritime MRN  - in accordance with La if no maritime MRN but a RIS-ID is available.  Sections C to U: Add the following attribute to all Object Encodings that have the unlocd attribute: Edition 2.6:  (C) locmrn = (refer to General Guidance, section L) S-401: (C) locationMRN = (refer to General Guidance, section L)  E.1.1 G), G.3.2 F), G.3.4 D), G.3.9 C), G.3.10 B), G.3.11 G), G.3.14 F), G.3.15 E), G.3.17 E), G.3.19 E), G.3.20 E), G.3.26 E), G.4.8 G), I.3.4 C), L.2.1 H), L.2.2 H), L.2.3 I), L.3.1 B), L.3.2 D), M.1.1 I), M.1.2 H), M.1.4 L), M.4.5 C), R.1.1 D), :  Add the following sentence to the Encoding Instruction "If a maritime MRN or the RIS-ID is available, the attribute locmrn has to be encoded (refer to General Guidance section L).".  G.1.1 K), G.1.2 J), G.1.3 J), G.1.4 J), G.1.5 J), G.1.6 L), G.1.12 K):  Replace the Encoding Instruction with "EU: an ISRS Location Code and a RIS-ID are assigned to each single bridge object and to the C\_AGGR object of the entire bridge (refer to General Guidance sections H and L)."  Add the same Encoding Instrauction to G.1.11 and G.1.13.  G.1.1 R), G.1.2 P), G.1.3 P), G.1.4 Q), G.1.5 P), G.1.6 S), G.1.11 N), G.1.13 K): Add the following sentence to the Encoding Instruction: "When the attribute locmrn of the gauge has been encoded (see Section B, General Guidance), the MRN of the gauge shall be encoded in the attribute 'refgag'."  G.1.7, G.1.8, G.1.9:  Add an Encoding Instruction: "EU: If the ISRS Location Code is available, it has to be encoded (refer to General Guidance section H). If a maritime MRN or the RIS-ID is available, the attribute locmrn has to be encoded (refer to General Guidance section L)."  G.1.8:  Replace Encoding Instruction H) with: "EU: If there is a gauge which can be used to calculate the vertical clearance of the overhead cable, the ISRS location code of the gauge shall be encoded in the attribute 'refgag'. When the attribute locmrn of the gauge has been encoded (see Section B, General Guidance), the MRN of the gauge shall be encoded in the attribute 'refgag'."  G.1.9:  Replace Encoding Instruction K) with: "EU: If there is a gauge which can be used to calculate the vertical clearance of the overhead pipe, the ISRS location code of the gauge shall be encoded in the attribute 'refgag'. When the attribute locmrn of the gauge has been encoded (see Section B, General Guidance), the MRN of the gauge shall be encoded in the attribute 'refgag'."  G.1.12:  Add an Encoding Instruction T): "EU: If there is a gauge which can be used to calculate the vertical clearance of the bridge, the ISRS location code of the gauge shall be encoded in the attribute 'refgag'. When the attribute locmrn of the gauge has been encoded (see Section B, General Guidance), the MRN of the gauge shall be encoded in the attribute 'refgag'."  Add the following entry to the Object Encoding of bridge: "(C) refgag = (Refer to letter T)"  G.3.11 B):  Replace the first sentence of the Encoding instruction with: "The lower case letter object 'ponton' shall only be used in case depth data is available underneath the hulk (e.g., by multi beam sounding), it is a casino boat, or the ISRS Location Code (unlocd) or the RIS-ID (refer to General Guidance sections H and L) can be provided."  G.3.14 B):  Replace the first sentence of the Encoding instruction with: "The lower case letter object 'hulkes' shall only be used in case depth data is available underneath the pontoon (e.g., by multi beam sounding) or the ISRS Location Code (unlocd) or the RIS-ID (refer to General Guidance sections H and L) can be provided."  G.4.2, Q.2.1, R.2.1, R.2.2, R.2.3, R.2.4:  Add an Encoding Instruction: "EU: If the ISRS Location Code is available, it has to be encoded (refer to General Guidance section H). If a maritime MRN or the RIS-ID is available, the attribute locmrn has to be encoded (refer to General Guidance section L)."  G.4.3 E):  Replace the Encoding Instruction with: "An ISRS Location Code and a RIS-ID are assigned to each single lokbsn object and to the C\_AGGR object of the entire lock (refer to General Guidance sections H and L)."  G.4.4 F):  Replace the Encoding Instruction with: "An ISRS Location Code and a RIS-ID are assigned to each single gatcon object and to the C\_AGGR object of the entire lock (refer to General Guidance sections H and L)."  G.4.9:  Add the following Encoding Instruction N): "An ISRS Location Code and a RIS-ID are assigned to each single lokbsn object and to the C\_AGGR object of the entire opening barrage (refer to General Guidance sections H and L)."  L.3.1: Delete ", ISRS Location Code" in the title. Delete "; local International Ship Reporting System code" in the definition.  U.1.1 G):  Delete ", ISRS Location Code". | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | | | |
| 6 | Explanation, why this amendment/change is needed:  On one hand IHO is recommending the use of the MRN in future Product Specifications, on the other hand Europe has decided to replace the isrs location code (which has been encoded in the attribute unlocd) with a RIS-ID. The RIS-ID will be too long for the attribute unlocd and it will be necessary in a transitional period to have both IDs encoded. The introduction of the attribute Location Maritime Ressource Name allows the encoding of the RIS-ID as part of this attribute. As is might be necessary in the future to encode e.g. an IALA MRN and an IEHG MRN for the same object the attribute should have the multiplicity 0,2 in S-401. | | | | |
| 7 | Proposed amendments to the Feature Catalogue: add the attribute "Location Maritime Resource (locMRN) TE 0,2" to all features with the attribute unlocd in S-401.  Add the attribute Location Maritime Ressource Name, CamelCase locationMRN from the IALA domain to the S-401 FC.  Add the attribute "locMRN C" to all features with the attribute unlocd in edition 2.6. Add the following attribute in 2.6:  "Attribute location MRN  Acronym: locMRN Code: 18051  Use Type: F  Value Type: T  Data Dictionary (DD) Reference:  DD Name: IENC Date accepted: 2023-11-22  Definition: The attribute locMRN should be used to encode the Maritime Ressource Name (MRN)" | | | | |
| 8 | Proposed amendments to the S-100 registry: amend the length of the attribute ReferenceGauge to allow the encoding of the MRN. | | | | |
| 9 | Proposed amendments to the Product Specification for Inland ENCs (main document): --- | | | | |
| 10 | Proposed amendments to the Recommended Validation Checks for IENCs: --- | | | | |
| 11 | Proposed amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Bernd Birklhuber  Name of authority or company: CESNI/TI/TI-15  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20231011 | | Deadline for comments 20231122 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

*CR 431 will only be implemented in S-401*

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| 0 | **Title:** Encoding of aerial cableways  **CR number:** 432 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5 corr 1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) G.1.8  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section G.1.14 *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class convyr  Illustration | | | | |
| 4 | Proposed addition/change: Add an Encoding Instruction J to page G.1.8, Overhead Cable: "J) If it is required to encode telepheric cables, this must be done using Conveyor features with attribute CATCON = 1 (aerial cableway), see G.1.14."  Add a new page to the Encoding Guide for the encoding of aerial cableways that are crossing a waterway. See annex | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | | |
| 6 | Explanation, why this amendment/change is needed:  An aerial cableway that is crossing a waterway can only be encoded as a cable overhead cblohd at the moment. But in case of an aerial cableway the boatmaster will see a moving target on the radar screen. He could assume that a vessel is crossing the waterway beneath the cable and that he has to change his course to prevent a collision.  According to S-57 and S-101 aerial cablewys have to be encoded as conveyors with the category of conveyor 1 (aerial cableway) with the definition "A transportation system consisting of load cables strung between pylons on which carrier units (for example: cars or buckets intended to transport people, material, and/or equipment) are suspended.". But the FC and the EG do not allow the encoding of aerial cableways in IENCs at the moment. | | | | |
| 7 | Proposed amendments to the Feature Catalogue: add enumeration 1 aerial cableway to the attribute catcon:  1 DD Name: HYDRO Code: CATCON\_1 Date accepted: ??.??.2023  Name: aerial cableway (telepheric)  Definition: A transportation system consisting of load cables strung between pylons on which carrier units (for example: cars or buckets intended to transport people, material, and/or equipment) are suspended.  Add the enumeration 1 to the attribute CATCON of the feature CONVYR. | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: Add the following line to the Lookup Table for lines: "CONVYR","CATCON1","LS(DASH,4,CHGRD);TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)","8","O","DISPLAYBASE","12210" | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Bernd Birklhuber  Name of authority or company: on behalf of TWG Inland ECDIS  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20230629 | | Deadline for comments 20230804 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

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

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| G - Ports, Waterways | | |
| G.1 Bridges, Tunnels, Overhead Obstructions | | |
| Aerial cableway (C) A transportation system consisting of load cables strung between pylons on which carrier units (for example: cars or buckets intended to transport people, material, and/or equipment) are suspended. | | |
| Graphics | Encoding Instructions | Object Encoding |
| *Real World*    *Chart Symbol*  *IENC Symbolization* | A) If an aerial cableway extends over navigable water it has to be encoded.  B) For an aerial cableway for the transport of people the attribute PRODCT should not be encoded. If the OBJNAM/NOBJNM doesn’t show that it is an aerial cableway for the transport of people, the information can be encoded in the attribute INFORM/NINFOM.  C) Cable supports (PYLONS, CATPYL = 3) closest to the landside of the bank line and those within the water must be coded.  D) The value given as the vertical clearance (VERCLR) shall be provided in metres and indicate the vertical distance between the lowest car or bucket (over the navigable part of the waterway) and a defined high water level (e.g. highest shipping height of water) if available.  E) If there is no vertical clearance indicator at the cableway, but there is a gauge which can be used to calculate the vertical clearance of the cableway depending on the water level, it should be encoded in accordance with I.3.4.  F) EU: If there is a gauge which can be used to calculate the vertical clearance of the bridge, the ISRS location code of the gauge shall be encoded in the attribute 'refgag'.  G) Use 'vcrlev' and 'vcrval' if the local value and name of vertical river datum reference level (design waterlevel ) is known. | **Object Encoding**  **Object Class =** CONVYR (L,A)  (M) CATCON = [1 (aerial cableway)]  (O) PRODCT = [4 (stone), 5 (coal), 6 (ore), 7 (chemicals), 14 (sand), 15 (timber), 17 (scrap metal), 21 (cement), 22 (grain)]  (O) OBJNAM = [Facility Name]  (O) NOBJNM = (Refer to Section B, General Guidance)  (O) VERCLR = [xx.xx] (metres), e.g., 13.27  (O) verdat = [12 (Mean lower low water), 23 (Lowest astronomical tide), 24 (Local datum), 30 (Highest astronomical tide), 31 (Local low water reference level), 32 (Local high water reference level), 33 (Local mean water reference level), 34 (Equivalent height of water (German GlW)), 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)), 45 (Dutch estuary low water reference level (OLW))]  (O) CONDTN = [1 (under construction), 2 (ruined), 3 (under reclamation), 5 (planned construction)]  (O) HORACC = [xx.xx] (metres), e.g., 1.54  (O) VERACC = [xx.xx] (metres), e.g., 1.54  (O) CATTEV = [4 (likely to change), 5 (unlikely to change), 6 (unassessed)]  (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  (M) SCAMIN = [EU: 22000; US: 30000]  (C) SORDAT = [YYYYMMDD]  (C) SORIND = (Refer to Section B, General Guidance) |

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| 0 | **Title:** Alternative fuels at bunker stations  **CR number:** 433 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5corr *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) G.3.2  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class bunsta  Illustration | | |
| 4 | Proposed addition/change: Add the following Encoding Instruction:  "G) The attributes INFORM and NINFOM can be used to describe additional types of fuel or to indicate that a fuel is provided in a swapable container."  Add the following enumerations to the attribute category of bunker station (catbun) in the Object Encoding: "5 (compressed hydrogen), 6 (liquified hydrogen), 7 (methanol), 8 (ammonia)"  Add "(O) INFORM = (Refer to letter G)"  Add "(O) NINFOM = (Refer to Section B, General Guidance)". | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | |
| 6 | Explanation, why this amendment/change is needed:  Diesel oil should be replaced by alternative fuels like hydrogen, methanol or ammonia in the future to reduce the environmental impact of inland navigation. But at the moment it is only possible to encode diesel oil (or electric power) in the category of bunker station. The attribute category of bunker station should therefore be amended with new enumerations.  Currently there are plans to provide some fuels either via hoses (like diesel oil) or in swapable containers. To be able to encode which fuel can be provided in which form we will need a complex attribute, which will only be available in S-401. For edition 2.6 it is proposed to use INFORM to indicate that swapable containers are available.  LNG bunkering is already covered by an enumeration of the attribute supply service of S-131. It is therefore not possible to introduce a new enumeration of category of bunkerstation with the same meaning. The availability of LNG, CNG or other alternative fuels should therefore also be encoded in INFORM in edition 2.6. We will work on a common solution with S-131 for S-401, but the time is too short to implement such a common solution in edition 2.6.  The proposed solution for 2.6 is therefore a first but important step and will be the basis for a complex attribute in S-401. | | |
| 7 | Proposed amendments to the Feature Catalogue: feature object bunsta, attribute catbun: add ",5,6,7,8" to the value list. attribute catbun: add the following enumerations: "5 DD Name: IENC Code: catbun\_5 Date accepted: 2024-??-??  Name: compressed hydrogen bunkering  Definition: compressed hydrogen available for bunkering  6 DD Name: IENC Code: catbun\_6 Date accepted: 2024-??-??  Name: liquified hydrogen bunkering  Definition: Liquified hydrogen available for bunkering  7 DD Name: IENC Code: catbun\_7 Date accepted: 2024-??-??  Name: methanol bunkering  Definition: Methanol available for bunkering  8 DD Name: IENC Code: catbun\_8 Date accepted: 2024-??-??  Name: ammonia bunkering  Definition: Ammonia available for bunkering" | | |
| 8 | Proposed amendments to the S-100 registry: register the following concepts and the new enumerations of catbun:  "Name Compressed Hydrogen Bunkering Camel Case compressedHydrogenBunkering  Definition Transfer of compressed hydrogen to the fuel tanks of a ship.  Reference Source IEHG  Remarks Does not include transfer of compressed hydrogen as cargo.  Name Liquefied Hydrogen Bunkering  Camel Case liquefiedHydrogenBunkering  Definition Transfer of liquefied hydrogen to the fuel tanks of a ship.  Reference Source IEHG  Remarks Does not include transfer of liquefied hydrogen as cargo.  Name Methanol Bunkering  Camel Case methanolBunkering  Definition Transfer of methanol to the fuel tanks of a ship.  Reference Source IEHG  Remarks Does not include transfer of methanol as cargo.  Name Ammonia Bunkering  Camel Case ammoniaBunkering  Definition Transfer of ammonia to the fuel tanks of a ship.  Reference Source IEHG  Remarks Does not include transfer of ammonia as cargo." | | |
| 9 | Proposed amendments to the Product Specification for Inland ENCs (main document): --- | | |
| 10 | Proposed amendments to the Recommended Validation Checks for IENCs: --- | | |
| 11 | Proposed amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | |

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| --- | --- | --- | --- |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | |
| 13 | | Name of sender: Bernd Birklhuber  Name of authority or company: BMK, AT  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20240219 | Deadline for comments 20240401 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. |

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| 0 | **Title:** Correction of the vertical clearance for swing bridges.  **CR number:** 434 **Version: 1** *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition**       **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) G.1.6 of the Encoding Guide  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section AF - XML  *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | | | |
| 4 | Proposed addition/change:  Object encoding:  Replace ‘VERCLR’ by ‘VERCCL’. | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | | |
| 6 | Explanation, why this amendment/change is needed:  There is an inconsistency between the encoding guide and the lookup tables. The lookup table defines ‘VERCCL’ and ‘VERCOP’ while the Encoding Guide is defining ‘VERCLR’.  A swing bridge has a vertical clearance in closed position. When the bridge is open, the VERCOP is not necessary. There is no ‘fixed’ vertical clearance as for fixed spans.  To correct this inconsistency, the Encoding Guide must be updated and the lookup table needs a correction as well. | | | | |
| 7 | Proposed amendments to the Feature Catalogue: | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: "bridge","CATBRG3|","SY(BRIDGE01);TE('clr cl %4.1lf','VERCCL',3,1,2,'15110',1,0,CHBLK,11);~~TE('clr op %4.1lf','VERCOP',3,1,2,'15110',1,1,CHBLK,11);~~LS(SOLD,4,CHGRD)","8","O","DISPLAYBASE","12210" | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Gert Morlion  Name of authority or company: De Vlaamse Waterweg  e-mail address: gert.morlion@vlaamsewaterweg.be  Date *(YYYYMMDD):* 20230901 | | Deadline for comments 20231013 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. | |

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| --- | --- | --- | --- | --- |
| 0 | **Title:** Notice Marks (Brazil)  **CR number:** 435 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition** 2.5 corr1 *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) C.1.3, O.3.1, O.3.2 (and K.1.1, K.1.2, K.2.1, K.2.2, O.1.1, O.1.2, O.1.3, O.1.5)   *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex AC / AD / AE *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit. A)  Object coding of object class m\_nsys, marsys, notmrk  Illustration | | | |
| 4 | Proposed addition/change: Join all the brazilian catalogues and include new symbols on it. Rename attribute "marsys" iten as follow: 13 - Brazilian national inland waterway regulation. Delete "marsys" 14. | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: Brazil - New catalogue.docx | | | |
| 6 | Explanation, why this amendment/change is needed:   1. The junction of Brazilian symbol catalogues will permit to adapt a national Inland ECDIS. 2. The inclusion of new symbols will permit to represent the Tietê-Paraná hidroway in IENCs (nowadays we have only paper nautical charts). | | | |
| 7 | Proposed amendments to the Feature Catalogue: see annex | | | |
| 8 | Proposed amendments to the S-100 registry: register the new elements of the FC | | | |
| 9 | Proposed amendments to the Product Specification for Inland ENCs (main document): --- | | | |
| 10 | Proposed amendments to the Recommended Validation Checks for IENCs: --- | | | |
| 11 | Proposed amendments of the Presentation Library / Portrayal Catalogue: "Brazil - New catalogue.docx" and BRSymbols.zip  Proposed amendment of the Lookup tables: As soon as the proposal is accepted, the Brazilian Hydrographic Service will contract CARIS to make the Lookup tables. | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: CC Pimentel  Name of authority or company: DHN  e-mail address: vitor.pimentel@marinha.mil.br  Date *(YYYYMMDD):* 20230929 | | Deadline for comments       (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. | |

**Affected texts:**

**Encoding Guide**

**Page C.1.3**

Encoding Instructions F) and G):

F) BR: All national inland waterways in Brazil use marsys =13 (Brazilian national inland waterway regulations). ~~There are two systems in Brazilian national inland waterways: marsys = 13 (Brazilian national inland waterway regulations - two sides) and marsys = 14 (Brazilian national inland waterway regulations - side independent)~~. In areas with mixed systems (IALA B and ~~one~~ above) use marsys = 2 (IALA B) and code individual deviant marks to the appropriate system (marsys = 13 ~~or 14~~).

G) BR: Paraguai-Parana International Waterway: In Brazilian extent, use marsys= 2 (IALA B) and code Brazilian complementary aids with marsys = 15 (Paraguai-Parana waterway - Brazilian complementary aids).

Object Encoding of m\_nsys:

(M) marsys = [1 (IALA A), 2 (IALA B), 9 (no system), 10 (other system), 11 (CEVNI), 12 (Russian inland waterway regulations), 13 (Brazilian national inland waterway regulations ~~- two sides), 14 (Brazilian national inland waterway regulations - side independent)~~, 15 (Paraguay-Parana waterway - Brazilian complementary aids)]

**Page O.3.1**

Encoding Instruction A):

For detailed list of all available input ID’s for category of notice mark (catnmk) see annexes "AA - CEVNI", "AB - Russian Inland Waterways", "AC - Brazilian ~~Two Sides System~~", ~~"AD - Brazilian Side Independent System" and "AE - Brazilian Paraguay-Parana Waterway".~~

Encoding Instruction S):

S)

BR: The attribute bnkwtw must be encoded for display purposes when adopting marsys = 13 (Brazilian national inland waterway regulations ~~- two sides~~) or marsys = 15 (Paraguay-Parana waterway - Brazilian complementary aids). It indicates the board colours.

Object Encoding of notmrk:

(M) catnmk = Refer to Annexes AA, AB, AC, ~~AD and AE~~

(C) marsys = [1 (IALA A), 2 (IALA B), 9 (no system), 10 (other system), 11 (CEVNI), 12 (Russian inland waterway regulations), 13 (Brazilian national inland waterway regulations ~~- two sides~~), ~~14 (Brazilian national inland waterway regulations - side independent)~~, 15 (Paraguay-Parana waterway - Brazilian complementary aids)]

**Page O.3.2**

Encoding Instruction A):

For detailed list of all available input ID’s for category of notice mark (catnmk) see annex “notice-marks.xls”. All order numbers are referenced to the European Code for Inland Waterways – CEVNI, revision 2, edited by the Economic Commission for Europe of the United Nations.

Object Encoding of notmrk:

(M) catnmk = Refer to Annexes AA, AB, AC, AD and AE

(C) marsys = [1 (IALA A), 2 (IALA B), 9 (no system), 10 (other system), 11 (CEVNI), 12 (Russian inland waterway regulations), 13 (Brazilian national inland waterway regulations ~~- two sides~~), ~~14 (Brazilian national inland waterway regulations - side independent)~~, 15 (Paraguay-Parana waterway - Brazilian complementary aids)]

**Pages K.1.1, K.1.2, K.2.1, K.2.2, O.1.1, O.1.2, O.1.3, O.1.5:**

Object Encoding:

(C) marsys = [1 (IALA A), 2 (IALA B), 9 (no system), 10 (other system), 11 (CEVNI), 12 (Russian inland waterway regulations), 13 (Brazilian national inland waterway regulations ~~- two sides~~), ~~14 (Brazilian national inland waterway regulations - side independent)~~, 15 (Paraguay-Parana waterway - Brazilian complementary aids)]

The proposed new annex is containing the notice marks of the Annexes AC and AE. Do we keep Annex AD?

**Feature Catalogue:**

**Attribute marsys:**

13 DD Name: IENC Code: marsys\_13 Date accepted: 2009-09-11

Name: Brazilian national inland waterway regulations ~~- two sides~~

Definition: navigational aids conform to the Brazilian national inland waterway ~~regulations for two sides~~.

~~14 DD Name: IENC Code: marsys\_14 Date accepted: 2009-09-11~~

~~Name: Brazilian national inland waterway regulations - side independent~~

~~Definition: navigational aids conform to the side independent Brazilian national inland waterway regulations.~~

15 DD Name: IENC Code: marsys\_15 Date accepted: 2009-09-11

Name: Paraguay-Parana waterway - Brazilian complementary aids

Definition: Brazilian complementary navigational aids on the Paraguay-Parana waterway.

**Attribute catnmk:**

124 DD Name: IENC Code: catnmk\_124 Date accepted:

Name: right pillar in passage for Tiete-Parana Waterway

Definition: right pillar in passage for Tiete-Parana Waterway (at bridges).

125 DD Name: IENC Code: catnmk\_125 Date accepted:

Name: left pillar in passage for Tiete-Parana Waterway

Definition: left pillar in passage for Tiete-Parana Waterway (at bridges).

126 DD Name: IENC Code: catnmk\_126 Date accepted:

Name: best transit point

Definition: best transit point (at bridges)

127 DD Name: IENC Code: catnmk\_127 Date accepted:

Name: Mandatory Stopping Point for Tiete-Parana Waterway

Definition: Mandatory Stopping Point for Tiete-Parana Waterway

Replace “catnmk M value list = "1 - 123"” with “catnmk M value list = "1 - 127"” in the FC

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| 0 | **Title:** waiting berths  **CR number:** 436 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5corr *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) M.1.3  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit. Q  Object coding of object class berths  Illustration | | | |
| 4 | Proposed addition/change: Add the following Coding Instruction on page M.1.3 Berth without Transshipment / Fleeting Areas: "Q) The category of berth 10 (waiting berth) should be used for a berth that is dedicated for vessels waiting for a bridge opening, lockage or other infrastructure. Ehen a berth is dedicated to waiting, but other use (e.g. resting, staying over night) can be allowed by the operator of the infrastructure it should also be encoded as waiting berth. A waiting berth shall be linked to the navigational structure for which vessels using this berth are waiting by the C\_ASSO.  A lock, mocvable bridge, harbor basin, transshipment installation etc. can be connected to several waiting berths, but a waiting berth can also be connected to e.g. several locks."  Add the following enumeration to the Object coding of berhs: "10 (waiting berth)" | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | | |
| 6 | Explanation, why this amendment/change is needed:  For the implementation of network services and especially for voyage planning it is useful to have the possibility to indicate that a berth is dedicated as a waiting berth for a specific infrastructure object, e.g. a lock, a movable bridge, a harbour basin or a transshipment facility. | | | |
| 7 | Proposed amendments to the Feature Catalogue: Add the following enumeration of the attribute catbrt to the FC:  "10 DD Name: IENC Code: catbrt\_10 Date accepted: 2023-??-??  Name: waiting berth  Definition: A berth that is dedicated for vessels waiting for the opening of a bridge, lockage or the use of other infrastructure. When a berth is dedicated to waiting, but can be used for resting with permission of the operator of the infrastructure it is also a waiting berth." | | | |
| 8 | Proposed amendments to the S-100 registry: register the new enumeratioon of category of berth | | | |
| 9 | Proposed amendments to the Product Specification for Inland ENCs (main document): --- | | | |
| 10 | Proposed amendments to the Recommended Validation Checks for IENCs: add the following new line in chapter 3.4:  "i1557 For each berths feature with catbrt = 10 Not associated (using the collection object C\_ASSO) with the infrastructure feature to which it belongs. berths with catbrt = 10 not associated Create C\_ASSO for all features of the facility M.1.3 W" | | | |
| 11 | Proposed amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Bernd Birklhuber  Name of authority or company: CESNI/TI/TI-15  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20231011 | | Deadline for comments 20231122 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. | |

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| 0 | **Title:** Change Validation Check 509  **CR number:** 437 **Version:** 3 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | |
| 1 | **Encoding Guide Edition** I.1.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) I.1.1, I.1.5, I.1.6, I.1.7, L.1.7  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class DEPARE  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:  In the Encoding Guide for I.1.1, I.1.5, I.1.6 and I.1.7 "unknown" is allowed for DRVAL1 and DRVAL2 for DEPARE.  I.1.2 allows “unknown” for DRVAL1 and DRVAL2 of depare.  L.1.7 allows “unknown” for ORIENT of RCTLPT.  In the Validation Checks 2.5.1 at check 509 is defined:  Check description: DEPARE: DRVAL1 and DRVAL2 and depare: DRVAL1 and DRVAL2:  Check message: Mandatory attribute has not been populated with a value.  Check solution: Populate mandatory attributes; in these cases the object is MEANINGLESS WITHOUT THIS VALUE.  This is contrary to the Encoding Guide, where unknown is permitted.  Currently we get an error message when checking the IENC.  Delete therefore DEPARE, depare and RCTLPT in the validation check 509. | | | |
| 7 | Proposed amendments to the Feature Catalogue: --- | | | |
| 8 | Proposed amendments to 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:  Check Description: No 509: Delete  DEPARE: DRVAL1 and DRVAL2;  depare: DRVAL1 and DRVAL2  RCTLPT: ORIENT; New check:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | i1558 | For each feature object listed below where the attribute stated is Null: DEPARE: DRVAL1 and DRVAL2;  depare: DRVAL1 and DRVAL2  RCTLPT: ORIENT; | Mandatory attribute has not been populated with a value. | Populate mandatory attributes; in these cases the object is meaningless without this value. | 3.5.2 and Encoding Guide for Inland ENCs and IENC  Feature Catalogue | W | | | | |
| 11 | Proposed amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | |
| 13 | Name of sender: Claudia Heckert (version 3 amended by Michael Büscher)  Name of authority or company: Fachstelle für Geodäsie und Geoinformatik der  Wasserstraßen- und Schifffahrtsverwaltung des Bundes (FGeoWSV)  e-mail address: Claudia.Heckert@wsv.bund.de  Date *(YYYYMMDD):* 20231114 | | Deadline for comments 20231226 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. | |

*CR 438 is only affecting the ToR and has no influence on 2.6*

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| 0 | **Title: Correction of error in EG 2.5.1**  **CR number:** 439 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | |
| 1 | **Encoding Guide Edition**       **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) I.3.4  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class wtwgag  Illustration | | |
| 4 | Proposed addition/change: Reason: the example given for the optional attribute ‘meanam’ (name of water level which is used for the attribute meawat (value at relevant mean water level) including version identification) is pointing to HSW 96. This is however, a highest water level indicator. Therefore, it must be changed into ‘MW 91’. | | |
| 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 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | |

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| 13 | Name of sender: Gert Morlion  Name of authority or company: De Vlaamse Waterweg  e-mail address: gert.morlion@vlaamsewaterweg.be  Date *(YYYYMMDD): 2023-11-1*3 | Deadline for comments 2023-12-25 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. |

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| 0 | **Title:** Add STATUS 4 (not in use) to CBLSUB and PIPSOL  **CR number:** 440 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | |
| 1 | **Encoding Guide Edition** 2.6 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) K.1.1 K.2.1  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | |
| 4 | Proposed addition/change: Add new enumeration value 4 for attribute STATUS (not in use) for CBLSUB and PIPSOL | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | |
| 6 | Explanation, why this amendment/change is needed:  A lot of cables and pipelines are disused. Anchoring in emergency situations is less serious when the cables and pipelines are not in use. | | |
| 7 | Proposed amendments to the Feature Catalogue: Add new values to STATUS at CBLSUB and PIPSOL: STATUS C value list = "4,18" | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | |

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| --- | --- | --- |
| 13 | Name of sender: Patrick van Beek  Name of authority or company: Rijkswaterstaat  e-mail address: patrick.van.beek@rws.nl  Date *(YYYYMMDD):* 20231201 | Deadline for comments 20240112 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. |

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| 0 | **Title:** Add SISTAW CATSIW 1, danger  **CR number:** 441 **Version:** 2 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.6 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5corr *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s)   *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section R.2.5 *o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | | | |
| 4 | Proposed addition/change: Add a new page R.2.5 to the EG (see annex). | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | | | |
| 6 | Explanation, why this amendment/change is needed:  A lot of water is pumped from a polder into a canal or river to keep the land dry. This often causes a current that can be dangerous. Therefore it is shown by 3 red lights in a triangle when the pumping station is working.  The proposed new page allows to use the same feature and attribute also for warning signal stations in other countries that use a different signal instaed of the 3 red lights. | | | | |
| 7 | Proposed amendments to the Feature Catalogue: Add new enumaration to SISTAW:  "1 DD name HYDRO Code: CATSIW\_1 Date accepted: 2024-03-13 Name: danger Definition: a signal or message warning of the presence of a danger to navigation."  Add the enumeration 1 of the attribute CATSIW to SISTAW. | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Patrick van Beek  Name of authority or company: Rijkswaterstaat  e-mail address: patrick.van.beek@rws.nl  Date *(YYYYMMDD):* 20240130 | | Deadline for comments 20240313 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. | |

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

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| R - Services | | |
| R.2 Signal Stations | | |
| Signal Station Warning: possible current because of outlet of water (O) The signal station shows a warning if an outlet of water (e.g. from a pumping station) causes a current. | | |
| Graphics | Encoding Instructions | Object Encoding |
| *Real World*      *Chart Symbol*  *IENC Symbolization* | A) A signal station that warns in case of currents caused by outlets of water should be encoded as a Signat Station Warning (SISTAW) with Category of Signal Station Warning 1 = warning.  B) An indication of the cause and the form of the warning should be provided in INFORM and NINFOM.  C) If e.g. 3 red lights are warning INFORM should be encoded with “"possible current because of outlet of water when red lights are on".  D) For formatted text in an external file, TXTDSC has to be used. | **Object Encoding**  **Object Class = sistaw (P)**  (M) catsiw = [1 (danger)]  (O) TXTDSC = (Refre to letter D)  (O) CONDTN = [1 (under construction), 2 (ruined), 3 (under reclamation), 5 (planned construction)]  (M) SCAMIN = [EU: 22000; US: 45000]  (C) SORDAT = [YYYYMMDD]  (C) SORIND = (Refer to Section B General Guidance)] |

*CR 442 will only be implemented in S-401 and has no influence on 2.6*

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| 0 | **Title:** Clarification of the enumeration MARSYS\_11 and removing references to CEVNI  **CR number:** 443 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) C.1.3, K.1.2, K.2.2, M.1.1, M.1.2, M.1.3, M.1.4, M.2.1, M.4.1, M.4.5, N.1.1, O.1.1, O.1.3, O.1.5, O.2.1, O.3.1, O.3.2,   *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section AA  *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit. many  Object coding of object class notmrk  Illustration | | | | |
| 4 | Proposed addition/change:  Contents of the Encoding Guide: replace "(CEVNI)" with "(main European inland waterway marking system)" in the title of Annex AA.  Page C.1.3 of the Encoding Guide: replace "CEVNI" with "main European inland waterway marking system" in Encoding Instruction D.  Page K.1.2 of the Encoding Guide: delete "in accordance with Article 7.03 of CEVNI rev5." in Encoding Instruction I.  Page K.2.2 of the Encoding Guide: delete "in accordance with Article 7.03 of CEVNI rev5." in Encoding Instruction H.  Page M.1.1 of the Encoding Guide: delete "CEVNI" in Encoding Instruction E.  Replace "and CEVNI" with "and the applicable police regulation" in Encoding Instruction H.  Delete "CEVNI" four times in Encoding Instruction H.  Delete "in accordance with Article 7.03 of CEVNI rev5." in Encoding Instruction K.  Page M.1.2 of the Encoding Guide: delete "CEVNI" in Encoding Instruction F.  Replace "and CEVNI" with "and the applicable police regulation" in Encoding Instruction G.  Delete "CEVNI" four times in Encoding Instruction G.  Delete "in accordance with Article 7.03 of CEVNI rev5." in Encoding Instruction J.  Page M.1.3 of the Encoding Guide: add "EU:" at the bginning of Encoding Instruction F and delete "CEVNI".  Replace "and CEVNI" with "and the applicable police regulation" in Encoding Instruction N.  Delete "CEVNI" four times in Encoding Instruction N.  Page M.1.4 of the Encoding Guide: Add "EU:" at the beginning of Encoding Instruction D and delete "CEVNI".  Replace "and CEVNI" with "and the applicable police regulation" in Encoding Instruction M.  Delete "CEVNI" four times in Encoding Instruction M.  Page M.2.1 of the Encoding Guide: delete "CEVNI" in encoding Instruction B and F.  Replace ""notice marks.xls" with "AA" in Encoding instruction B.  Delete "in accordance with Article 7.03 of CEVNI rev. 5" in Encoding Instruction H.  Page M.4.1 of the Encoding Guide: delete "CEVNI" in encoding Instructions A and two times in Encoding Instruction F.  Page M.4.5 of the Encoding Guide: delete "Indicated by CEVNI sign E.8" in the definition.  Page N.1.1 of the Encoding Guide: replace "CEVNI signs A.1, D.1 and D.2" with "signs with the meaning of A.1, D.1 or D.2 as described in annex AA" in encoding Instruction A.  Page O.1.1 of the Encoding Guide: replace Encoding Instruction F with "EU: For a buoy with marsys = 11, object class: 'boylat', 'catlam' = 3, 4 or 8 shall be used.  The COLOUR attribute shall be encoded with 3,4,3,4 (red / green)."  Replace "CEVNI" with "a" in Encoding Instruction H.  Page O.1.3 of the Encoding Guide: replace the first sentence of Encoding Instruction D with "For buoys with marsys = 11, object class 'boylat' has to be used.".  Page O.1.5 of the Encoding Guide: replace "EU" two times with "EU, marsys 11" and "RU" with "RU, marsys 12" in the column Graphics.  Replace the first sentence of Encoding Instruction C with "EU: for buoys with marsys = 11 in case TOPMAR is added:"  Replace the first sentence of Encoding Instruction D with "EU: for buoys with marsys = 11 BOYSHP/catlam/COLOUR attributes must be used in the following combinations:"  Page O.2.1 of the Encoding Guide: replace "CEVNI" with "marsys 11" in the Graphics column.  Replace "For marks" with "For marks with marsys = 11" in Encoding Instruction C and D.  Page O.3.1 of the Encoding Guide: Replace the first sentence of the definition with "waterway signs as described in Annex AA."  Replace "CEVNI" with "Europe" in the Graphics column.  Replace "AA - CEVNI" with "AA - main European inland waterway marking system" in Encoding Instruction A and delete the second paragraph.  Replace Encoding Instruction B with "Although the list was originally based on the main European inland waterway marking system, the codes can be used for other notice marks with the same meaning (e.g., on the Paraguay-Parana Waterway in Brazil)."  Replace "For CEVNI" with "For notice marks as decribed in Annex AA" in Encoding Instructions C, D, E, F, G, H, I, J, K, L, M, N, O, P and Q.  Delete "CEVNI" 5 times in Encoding Instruction C.  Delete "CEVNI" 3 times in Encoding Instruction K.  Delete"CEVNI" in Encoding Instruction O.  Page O.3.2 of the Encoding Guide: replace the first sentence of the definition with "Waterway signs as described in Annex AA.  Replace Encoding Insruction A with "For detailed list of all available input ID’s for category of notice mark (catnmk) see annex AA. All order numbers are referenced to the main European inland waterway marking system."  Replace Encoding Instruction B with "Although the list was originally based on the main European inland waterway marking system, the codes can be used for other notice marks with the same meaning, too (e.g., on the river Po in Italy)".  Delete "CEVNI" and "(with the same meaning according to CEVNI)" in Encoding Instruction F.  Align the Object Encoding of fnctnm with the FC by deleting four times the text after "mark".  For all pages that include marsys = 11 in the Object Encoding: replace "CEVNI" with "main European inland waterway marking system"  Chapter V: Delete the line for CEVNI.  Annex AA: replace "CEVNI" with "main European inland waterway marking system" in the title.  Replace "CEVNI" with "Code" in the header line of the table. | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | | | |
| 6 | Explanation, why this amendment/change is needed:  The Encoding Guide is containing many references to CEVNI, the European Code for Inland Waterways of UNECE. CESNI, the European Committee for drawing up standards in the field of inland navigation, is concerned that references to CEVNI could be interpreted as an obligation to apply CEVNI in national law or that they do not cover signs and signals that are based on other regulations, but have the same meaning and the same look as described in CEVNI.  References to CEVNI in the Feature Catalogue and in the Encoding Guide have therefore to be deleted if possible or to be clarified.  In the Encoding Guide it is possible to delete the references.  The enumeration 11 of the attribute "Marks navigational - System of" in the Feature Catalogue is "CEVNI". The name and the definition of this enumeration have to be amended to clarify that it is not only referring to navigational systems of marks that are explicitly based on CEVNI, but also on other systems that use the same marks.  A more detailed background information for the European members is provided in the annex. | | | | |
| 7 | Proposed amendments to the Feature Catalogue:  Replace all entries "Source: CEVNI" with "Source: Annex AA of the Encoding Guide for Inland ENCs" in the enumerations of the attribute catnmk.  Replace the existing name of enumeration 11 of the attribute "Marks navigational - System of" in the Feature Catalogue with: "main European inland waterway marking system".  Replace the definition with "navigational aids as required in international, national or regional regulations that contain the same navigational aids as the European Code for Inland Waterways of UN/ECE, or if there is no regulation for a waterway, navigational aids as recommended in the European Code for Inland Waterways of UN/ECE (for notice marks see Annex AA of the Encoding Guide for Inland ENCs)" | | | | |
| 8 | Proposed amendments to the S-100 registry: Replace all entries "Source: CEVNI" with "Source: Annex AA of the Encoding Guide for Inland ENCs" in the enumerations of the attribute catnmk.  Replace the existing name of enumeration 11 of the attribute "Marks navigational - System of" in the Feature Catalogue with: "main European inland waterway marking system".  Replace the definition with "navigational aids as required in international, national or regional regulations that contain the same navigational aids as the European Code for Inland Waterways of UN/ECE, or if there is no regulation for a waterway, navigational aids as recommended in the European Code for Inland Waterways of UN/ECE (for notice marks see Annex AA of the Encoding Guide for Inland ENCs)"  Delete all references to CEVNI in brackets for inland specific symbols in the portrayal register. | | | | |
| 9 | Proposed amendments to the Product Specification for Inland ENCs (main document): --- | | | | |
| 10 | Proposed amendments to the Recommended Validation Checks for IENCs: --- | | | | |
| 11 | Proposed amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Bernd Birklhuber  Name of authority or company: BMK, AT  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20240219 | | Deadline for comments 20240401 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6/401 of the EG. | |

**Background information**

**What is the purpose of the attribute Navigational System of Marks?**

In accordance with S-57, S-100 and the Inland ECDIS Standard the charts do not contain the description of the form and colours of a notice mark, but the description of the meaning (e.g anchoring prohibited).

But as the same meaning is indicated by different marks in different regions of the world it is necessary to include the information which system of marks is used. This information is provided by the encoding of the attribute Navigational System of Marks.

The ECDIS is selecting the correct symbol for the display of the encoded meaning of a mark on the basis of the encoding of the MARSYS attribute.

In the inland area there are e.g. different symbols that indicate that anchoring is prohibited:

Brazil:  and 

Russian Federation: 

Europe: A6

**Which enumeration of the attribute Navigational System of Marks is currently used in Europe?**

The S-100 registry and the Inland ENC Feature Catalogue are currently containing the enumeration 11, CEVNI for the majority of marking systems in Europe.

**Why has the reference to CEVNI been introduced?**

There is no common legal basis for notice marks in Europe. There are international regulations for certain rivers (e.g. Rhine Police Regulation, Mosel Police Regulation), international recommendations (e.g. CEVNI of UNECE and DFND of the Danube Commission) and a lot of national regulations or even regulations for certain rivers within one country. Within one country there is e.g. a regulation for the river Rhine, a regulation for the river Mosel, a regulation for the national section of the river Danube and a regulation for other waterways.

Nevertheless all these regulations are using in majority the same notice marks. The references to CEVNI have originally been introduced by the Central Commission for navigation on the Rhine (CCNR) in the very first edition of the Inland ECDIS standard in 2001. It would have been possible to refer to the Rhine Police Regulation at that time, because the standard was developed by CCNR, but it was decided to refer to a document of an organisation in which every European country is a member and has a right to vote.

It has of course never been the intention of CCNR to make CEVNI mandatory for the river Rhine. The reference is just indicative and explaining that notice marks that are also contained in CEVNI are used.

**Are there other Navigational Systems of Marks in Europe?**

Italy is using a different marking system on the river Po. It is based on red buoys, white buoys, and red and white beacons. As the system is not containing notice marks that are different from CEVNI it was decided that it is not necessary to introduce an additional enumeration of MARSYS and to use the enumeration 10, other system.

We cannot be sure that there are no deviating marking systems with different notice marks on other not connected waterways in Europe (e.g. in Scandinavian countries) or local marks used in one country for a specific purpose. If IENCs should be produced for such waterways in the future it would be necessary to either introduce additional enumerations of MARSYS or to include those notice marks in CEVNI recommendation. This has already been done in the past. The notice mark A.1.1 had originally only been defined in the Rhine Police Regulation, but has been taken over by CEVNI.

**What is the problem with the current enumeration?**

Some members of CESNI (European Committee for drawing up standards in the field of inland navigation) require the deletion of all references to CEVNI because it is just a non-binding resolution and is nowhere directly applicable. Notice marks are not installed on basis of CEVNI, but on the legal basis (police regulation) for the respective waterway section. Indeed, there might be a contradiction between a mandatory regulation and the CEVNI recommendation.

**Proposed solution**

The Name of enumeration 11 of marsys shall be changed from “CEVNI” to “main European inland waterway marking system”. The definition of enumeration 11 of MARSYS is currently “navigational aids conform to the European Code for Inland Waterways of UN/ECE.”. This is not wrong, because e.g. a notice mark that has been installed on basis of the Rhine Police Regulation can nevertheless conform to CEVNI in majority. But the definition shall be improved and clarified. It is proposed to amend it to “navigational aids as required in international, national or regional regulations that contain the same navigational aids as the European Code for Inland Waterways of UN/ECE, or if there is no regulation for a waterway, navigational aids as recommended in the European Code for Inland Waterways of UN/ECE (for notice mark see Annex AA of the Encoding Guide for ENC’s)

**Consequences of the proposed solution**

The name and the definition of an enumeration are not part of the IENCs and the proposed amendment does therefore not cause any need to change existing IENCs. The amendment of the name and the definition is just a clarification of the existing name and definition and is therefore backward compatible. There are no budgetary consequences for the chart producers or the users.

**Are there alternative solutions?**

It has been proposed to replace the reference to CEVNI with a reference to e.g. the Rhine Police Regulation. This is not an acceptable solution because

- the reference would be at least as “wrong” as the reference to CEVNI for all European inland waterways with the exception of the Rhine;

- it would be problematic to refer to a regulation that is not officially available in English language.

Another possibility that has been checked was a reference to the real legal basis of each notice mark. This is not an acceptable solution because

- it would require to indroduce a new enumeration for each local regulation in Europe;

- all existing IENCs would have to be updated. It would not be possible to change the encoding automatically because the existing enumeration would be replaced by many different new enumerations. The costs for chart producers would be high

- at the moment the Inland ECDIS is doing one check for a notice mark   
(e.g. if the meaning of the notice mark is anchoring prohibited and the Navigational System of Marks is 11 use the symbol A6). In the future the Inland ECDIS would have to run such a check for every enumeration, but all of them would deliver the same result. Replacing one check by 20 or 40 or even more checks that deliver all the exactly same result is not acceptable.

It would theoretically also be an option to change the concept of encoding and displaying notice marks completely and to introduce different enumerations of the attribute category of notice mark for notice marks with the same meaning in different regions. It would no longer be necessary to evaluate the attribute Navigational System of Marks for the display. This is also not an acceptable solution because

- it is a basic principle of S-100 that duplicate elements are not allowed;

- there wouldn’t be a backward compatibility;

- it would require a major change in the Inland ECDIS applications;

- countries outside of Europe would have to change their existing IENCs and applications because of a problem that is only affecting Europe.

**Are there other references to CEVNI in the Feature Catalogue?**

According to S-57 and S-100 the source of an entry has to be indicated if there is one. For example the definition of the enumeration of the attribute category of notice mark for anchoring prohibited is “Prohibition mark A.6: no anchoring or trailing of anchors, cables or chains on the side of the waterway on which the sign is placed”. The text has been copied from CEVNI and therefore “CEVNI” is mentioned as the source of the definition.

Neither the definition nor the source of the definition is displayed in the Inland ECDIS.

It is proposed to replace the Source CEVNI with Annex AA of the Encoding Guide for Inland ENCs although more than 100 existing enumerations will have to be changed without creating any benefit for the users but bringing a better legal certainty.

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| 0 | **Title:** Abbreviation "EUR" instead of "EU"  **CR number:** 444 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5corr *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | |
| 2 | Sections A and B  This is a request  referring to   lit. B, E  for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) many  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section Y  *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | |
| 4 | Proposed addition/change: Replace the abbreviation "EU:" with "EUR:" wherever it appears in the Encoding Guide.  Amend the CR form and the Guideline for drafting of CRs, too. | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: --- | | |
| 6 | Explanation, why this amendment/change is needed:  The Encoding Guide is currently indicating with the abbreviation "EU:" that something is only applicable in Europe. This abbreviation could however be misinterpreted to restrict the applicability to member states of the European Union (EU). It would be better to use the abbreviation "EUR:" that is used for the whole European region in other tranport related regulations. | | |
| 7 | Proposed amendments to the Feature Catalogue: --- | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | |

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| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | |
| 13 | | Name of sender: Bernd Birklhuber  Name of authority or company: BMK, AT  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20240219 | Deadline for comments 20240401 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. |

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| 0 | **Title:** Correction of a remark for DRVAL in the FC  **CR number:** 445 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5corr *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s)        *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  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 FC is containing a remark for the attributes DRVAL1 and DRVAL2 that has been copied from S-57. For IENCs it is containing three errors:  - the remark is referring to the meta object M\_UNIT that does not exist in the IENC FC  - it is referring to a resolution of 1 decimal. The EG allows two decimals (see CR 342).  - it is referring to m, fm or ft as unit of depth, but the Product Specification for IENCs and the EG are stating that only m are allowed for depth information.  The corresponding attributes in the S-100 registry are already defined with a resolution of 2 decimals.  The remarks have to be corrected. | | | | |
| 7 | Proposed amendments to the Feature Catalogue: Replace the second and third sentences in the remarks of the attributes DRVAL1 and DRVAL2 with: "The unit of measure is defined in the DUNI subfield of the DSPM record and is metre (m) for IENCs. The resolution is 0.01 m." | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file: ---  Proposed amendment of the Lookup tables: --- | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Bernd Birklhuber  Name of authority or company: BMK, AT  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20240223 | | Deadline for comments 20240405 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

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| 0 | **Title:** Correction for TECSOU values  **CR number:** 446 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.51 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.51 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) C.1.2, C.1.6, I.1.8, J.2.1  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class M\_QUAL, SOUNDG, WRECKS  Illustration | | | | |
| 4 | Proposed addition/change: Remove TECSOU = 7 (found by laser)  Remove TECSOU = 14 (computer generated).  Add TECSOU = 15 (found by LIDAR)  Add TECSOU = 16 (synthetic aperture radar)  Add TECSOU = 17 (hyperspectral imagery)  For C.1.2, change spelling from TECOU to TECSOU in the "Remarks" section. | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | | |
| 6 | Explanation, why this amendment/change is needed:  The values of 7 and 14 are no longer valid. The use of value 15 is a new value found in the GI Registry | | | | |
| 7 | Proposed amendments to the Feature Catalogue: Remove TECSOU = 7 (found by laser) and 14 (computer generated). Add TECSOU = 15 (found by LIDAR) | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Denise LaDue  Name of authority or company: US Army Corps of Engineers  e-mail address: Denise.R.LaDue@usace.army.mil  Date *(YYYYMMDD):* 20240227 | | Deadline for comments 20240409 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition      of the EG. | |

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| 0 | **Title:** New Real World image for Special Purpose Buoy IALA  **CR number:** 447 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.51 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) O.4.1  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | | | |
| 4 | Proposed addition/change: Replace current real world image with the attached image | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | | |
| 6 | Explanation, why this amendment/change is needed:  .The new image is more "politcally correct" | | | | |
| 7 | Proposed amendments to the Feature Catalogue: | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Denise LaDue  Name of authority or company: US Army Corps of Engineers  e-mail address: denise.r.ladue@usace.army.mil  Date *(YYYYMMDD):* 20240223 | | Deadline for comments 20240405 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition      of the EG. | |

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| 0 | **Title:** Missing values for STATUS  **CR number:** 448 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 2.5corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) G.3.3, G.3.7, G.3.24, L.1.3, L.3.2  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class CONVYR, FLODOC, PILPNT, TWRTPT, dismar  Illustration | | | | |
| 4 | Proposed addition/change: G.3.3: (O) Add STATUS = [4 (not in use) and 12 (illuminated)] for CONVYR  G.3.7: (O) Add STATUS = [1 (permanent), 4 (not in use), 6 (reserved), 7 (temporary), 8 (private), 12 (illuminated)] for FLODOC  Add (O) STATUS = [1 (permanent), 4 (not in use), 6 (reserved), 7 (temporary), 12 (illuminated)] for flodoc  G.3.24: Add (O) STATUS = [1 (permanent), 4 (not in use), 6 (reserved), 7 (temporary), 8 (private), 12 (illuminated), 14 (public)] for PILPNT  L.1.3: Add (O) STATUS = [1 (permanent), 3 (recommended), 6 (reserved), 9 (mandatory)] for TWRTPT  L.3.2: Add (O) STATUS = [5 (periodic/intermittent)] for dismar | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | | |
| 6 | Explanation, why this amendment/change is needed:  According to the Feature Catalogue, STATUS is a valid attribute for CONVYR, FLODOC, PILPNT, TWRTPT but the values of the allowed enumerations are not mentionned. The allowed values added in that CR are based on the ones that are available for these features in S-101.  For the inland feature flodoc, STATUS = 5 (periodic/intermittent) is the only enumerated value allowed. To be in line with FLODOC, the enumerations 1, 4, 6, 7, 8, 12 will be added.  dismar has no enumeration value listed in Ed2.5corr1. There is no status attribute for the S-101 feature DistanceMark. Enumeration 5 is proposed for dismar. | | | | |
| 7 | Proposed amendments to the Feature Catalogue:  Add STATUS = 4 and 12 (Optional) for CONVYR  Add STATUS = 1, 4, 6, 7, 8, 12 (Optional) for FLODOC  Add STATUS = 1, 4, 6, 7, 8, 12, 14 (Optional) for PILPNT  Add STATUS = 1, 3, 6, 9 (Optional) for TWRTPT  Add STATUS = 5 (Optional) for dismar  Add STATUS= 1, 4, 7, 6, 8, 12 for flodoc  Add the definition available in the IHO Registry for STATUS : The condition of an object at a given instant in time | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Gaël Billet  Name of authority or company: Periskal  e-mail address: g.billet@periskal.coml  Date *(YYYYMMDD):* 20240318 | | Deadline for comments 20240429 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition 2.6 of the EG. | |

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| 0 | **Title: Adding encoding instructions to signal stations**  **CR number:** 449 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition**       *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | Sections C to U  This is a request  referring to page(s) G.1.7, G.4.2, G.4.9, R.2.1, R.2.2., R.2.3, R.2.4, Q.2.1  *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit. E  Object coding of object class  Illustration | | |
| 4 | Proposed addition/change: Add the next encoding instruction to the pages:  “If the ISRS Location Code is available, it has to be encoded (see General Guidance H).” | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | |
| 6 | Explanation, why this amendment/change is needed:  The unlocode has to be encoded for the features ‘Tunnel’, ‘Dam Barrier’, ‘Opening Barrage’, Signal Station’ and ‘Radio Calling-Point’, but the instruction for the conditional attribute ‘unlocd’ is missing. | | |
| 7 | Proposed amendments to the Feature Catalogue: | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | |

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| 13 | Name of sender: Gert Morlion  Name of authority or company: De Vlaamse Waterweg  e-mail address: gert.morlion@vlaamsewaterweg.be  Date *(YYYYMMDD): 2024-03-*28 | Deadline for comments 2024-05-03 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition       of the EG. |

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| 0 | **Title:** Modifications to 'horcll' and 'horclw'  **CR number:** 450 **Version:** 1 *(starting with 1)*  *The next available CR number can be found in the currently valid Change Request List under the following URL:* [*https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW\_6vCuqbGukEvN\_9XYohwB\_QLE/edit?usp=sharing*](https://docs.google.com/spreadsheets/d/1darzMTlkqN4nDWOetW_6vCuqbGukEvN_9XYohwB_QLE/edit?usp=sharing%20) | | | | |
| 1 | **Encoding Guide Edition** 2.5.1 **Request for:** *(please enter the last published edition of the Encoding Guide)* **an addition** 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  **a change** e.g. replacing a picture, illustration or an already existing text  **an addition/change that affects the Feature Catalogue edition** 25\_corr1 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition**       *(last published edition)* | | | | |
| 2 | Sections A and B  This is a request  referring to   lit.        for a new   lit.  *(Continue with 4 on this page)* | | Sections C to U  This is a request  referring to page(s) G.3.7, G.4.2, G.4.4   *(e.g.: C.1.5)* of the Encoding Guide *(Continue with 3 on this  page)*  for a new page in section       *(e.g.: E.1) o*f 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  referring to section        *(Continue with 4 on this page)*  for a new Annex       *(Continue with 6 on this page   and add the proposal on page 2   after removing form protection)* |
| 3 | Definition  Picture:  real world  paper chart  IENC  Coding instruction lit.  Object coding of object class  Illustration | | | | |
| 4 | Proposed addition/change: G.3.7 - horcll and horclw are listed as Conditional, however no condition exists, Add: H) If the usable horizontal clearance of length and width are distances which are provided by the competent authority for safe navigation, they must be encoded with 'horccl' and 'horclw'.  G.4.3 & G.4.4 - Change horcll and horclw from (M) to (C), as a condition (Letter B and Letter C) exists. | | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: | | | | |
| 6 | Explanation, why this amendment/change is needed:  There are inconsistencies in the Encoding Guide for the use of horcll and horclw.. | | | | |
| 7 | Proposed amendments to the Feature Catalogue:  flodoc - change horcll and horclw from Optional to Conditional  lokbsn and lkbspt - change horcll and horclw from mandatory to conditional | | | | |
| 8 | Proposed amendments to 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 amendments of the Presentation Library / Portrayal Catalogue:  For new symbols, attach the file to the form, please. Name of file:  Proposed amendment of the Lookup tables: | | | | |
| 12 | Proposed applicability: *mark all applicable boxes*  US  Europe (without Russia)  Russia  South America  Asia  *(description of another area of applicability, e.g. a country)* | | | | |
| 13 | | Name of sender: Denise LaDue  Name of authority or company: US Army Corps of Engineers  e-mail address: denise.r.ladue@usace.army.mil  Date *(YYYYMMDD):* 20240412 | | Deadline for comments 20240524 (6 weeks)  To be filled in by a member of the Core Group:  Proposal adopted/  Proposal rejected  Will become part of edition      of the EG. | |