Change Request (CR)

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| --- | --- | --- | --- | --- |
| 0 | **Title:** Encoding of roofs  **CR number:** 408 **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 *(last published edition)*  **an addition/change that affects the Portrayal Catalogue edition** 2.5 *(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 G.1 *(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 proposal for new page G.1.14 | | | |
| 5 | Proposed picture/illustration:  Attach the file to the form, please. Name of file: see proposal for new page G.1.14 | | | |
| 6 | Explanation, why this amendment/change is needed:  There are several examples of roofs and buildings over the navigable waterway. It is important to provide information about the vertical clearance under such a construction. | | | |
| 7 | Proposed amendments to the Feature Catalogue: Amend BUISGL with the attributes VERCLR, VERACC, verdat, wtwdis, hunits and the enumerations 47, 49, 50 of the attribute FUNCTN.  Amend the attribute FUNCTN with the new enumerations 49 (roof above navigable water), 50 (building above navigable water) | | | |
| 8 | Proposed amendments to the Inland ENC domain in the S-100 registry:  Amend the attribute FUNCTN with the new enumerations 49 (roof above navigable water), 50 (building above navigable water) | | | |
| 9 | Proposed amendments to the Product Specification for Inland ENCs (main document): --- | | | |
| 10 | Proposed amendments to the Recommended Validation Checks for IENCs: Delete BUISGL from check 54, allow the attributes VERCLR, VERACC, verdat, wtwdis, hunits for BUISGL  allow the new enumerations 43, 44, 45 of FUNCTN for BUISGL | | | |
| 11 | Proposed symbol(s):  Attach the file to the form, please. Name of file: No new symbol. New lines in the Lookup Tables for areas:  "BUISGL","FUNCTN 47| CONVIS1|","TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)", "AC(CHBRN, 3);LS(SOLD,1,CHBLK)", "8","O","DISPLAYBASE","12220"  "BUISGL","FUNCTN 49| CONVIS1|","TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)", "AC(CHBRN,3);LS(SOLD,1,CHBLK)","8","O","DISPLAYBASE","12220"  "BUISGL","FUNCTN 50| CONVIS1|","TE('clr %4.1lf','VERCLR',3,1,2,'15110',1,0,CHBLK,11)", "AC(CHBRN, 3);LS(SOLD,1,CHBLK)", "8","O","DISPLAYBASE","12220" | | | |
| 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 Protection, Austria  e-mail address: bernd.birklhuber@bmk.gv.at  Date *(YYYYMMDD):* 20200918 | | Deadline for comments 20201030 (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. | |

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

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| G – Ports, Waterways | | |
| G.1 Bridges, Tunnels, Overhead Obstructions | | |
| G.1.14 Roof or building over navigable water (M) A roof or a part of a building which is extending over navigable water. | | |
| Graphics | Encoding Instructions | Object Encoding |
| *Real World (roof over a transhipment installation)*  *roof_agro*  *(Building extending over navigable water)*  *TwinCityLinerAnlage2*  *(Indoor harbour basin)*  *ill*  *Chart Symbol*  *IENC Symbolization* | A) Roofs which are extending over navigable water (e.g. roofs over transhipment installations) have to be encoded as BUISGL with FUNCTN = 49 (roof over navigable water).  B) Buildings which are extending over navigable water have to be encoded as BUISGL with the appropriate FUNCTN code (if available) and FUNCTN = 50 (building above navigable water).  C) Boathouses and halls with indoor harbour basins (and other buildings with navigable basins within) have to be encoded as BUISGL with FUNCTN = 47 (boathouse).  D) All the objects beneath the roof, building or hall which are important for navigation (e.g. shoreline constructions, mooring facilities, pontoons, cranes, conveyors) have to be encoded additionally.  E) Normally it is sufficient to encode the smallest vertical clearance within the area of the object. If there is e.g. a container crane under the roof, it is sufficient to encode the vertical clearance of the crane.  F) If the smallest vertical clearance is only valid for a small object beneath a BUISGL and it is important to provide information about the bigger vertical clearance under the rest of the building, the vertical clearance has to be encoded for both objects. This should only be done in justified cases to avoid cluttering of the display.  G) BUISGL with FUNCTN 47, 49 or 50 will be displayed as transparent brown areas. If closed parts of the building should be displayed in the same opaque brown as other buildings they have to be encoded as separate BUISGL.  H) Place LIGHTS, if applicable.  I) All objects of a building which belong to one building must be combined to one aggregation area (C\_AGGR).  J) Use 'verdat' only if vertical datum differs:  - from DSPM VDAT subfield and  - from Meta object 'm\_vdat' attribute.  K) If there is no vertical clearance indicator near the building, but there is a gauge which can be used to calculate the vertical clearance of the building depending on the water level, it should be encoded in accordance with I.3.4. | **Object Encoding**  **Object Class = BUISGL (A)**  (O) OBJNAM = [name and/or operator/owner]  (O) NOBJNM = (Refer to Section B, General Guidance)  (C) FUNCTN = [2 (harbour-master's office), 3 (custom office), 4 (health office), 5 (hospital), 6 (post office), 7 (hotel), 8 (railway station), 9 (police station), 10 (water-police station), 11 (pilot office), 12 (pilot lookout), 13 (bank office), 14 (headquarters for district control), 15 (transit shed/warehouse), 16 (factory), 17 (power station), 18 (administrative), 19 (educational facility), 20 (church), 21 (chapel), 22 (temple), 23 (pagoda), 24 (shinto shrine), 25 (buddhist temple), 26 (mosque), 27 (marabout), 28 (lookout), 29 (communication), 30 (television), 31 (radio), 32 (radar), 33 (light support), 34 (microwave), 35 (cooling), 36 (observation), 37 (time ball), 38 (clock), 39 (control), 40 (airship mooring), 41 (stadium), 42 (bus station), 47 (boathouse), 49 (roof above navigable water), 50 (building above navigable water)]  (C) CONVIS = [1 (visually conspicuous)]  (O) CONDTN = [1 (under construction), 2 (ruined), 3 (under reclamation), 4 (wingless), 5 (planned construction)]  (C) VERCLR = [xx.xx] (metres), e.g., 13.27  (C) verdat = [12 (Mean lower low water), 31 (Local low water reference level), 32 (Local high water reference level), 33 (Local mean water reference level), 34 (Equivalent height of water (German 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))]  (C) PICREP = (Refer to Section B, General Guidance)  (M) wtwdis = [xxxx.xxx] (units defined in hunits), e.g., 2451.732  (M) hunits = [3 (kilometres), 4 (hectometres), 5 (statute miles), 6 (nautical miles)]  (M) SCAMIN = [US: 18750; EU: 22000 (except: 45000 for FUNCT20-CONVIS2, 45000 for FUNCT33-CONVIS2, 90000 for FUNCTN20-CONVIS1, 90000 for FUNCTN33-CONVIS1)]  (C) SORDAT = [YYYYMMDD]  (C) SORIND = (Refer to Section B, General Guidance) |

Change Request (CR)

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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. | |

Change Request (CR)

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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. | |

Change Request (CR)

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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. | |

Change Request (CR)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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

Change Request (CR)

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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. | |