Inland ENC Harmonization Group

Expert Group	CR number	CR version	CR Suppli	Title / short description	Issue date	Approved / Withdrawn /	Date of decision	Description of change	Affected parts of the standard	Implemented in standard version	Comment
IEHG	295	1	AT	units	02.9.2015	*adopted*	14.10.2015	Replace "unit defined in the M_UNIT meta object class" with "unit defined in the cell header".	I.3.4, M.1.3, M.1.4, O.3.1	planned for next version	adopted for 2.4.1, BR will check whether additional CR regarding M_UNIT is needed
IEHG	296	1	AT	Correction regarding verdat 44	05.10.2015	*adopted*	16.11.2015	The "Tweede Algemene Waterpassing (TAW)" is a reference level and not a vertical datum. It has already been introduced as reflev 10, but it is also still mentioned as verdat 44. In a first step it should be deleted in the Encoding Guide. In a second step it should also be deleted in the Feature Catalogue.	C.1.4, C.1.5, G.1.1, G.1.2, G.1.3, G.1.4, G.1.5, G.1.6, G.1.8, G.1.9, G.1.11, G.1.12, G.3.3, G.3.4, G.3.7, G.3.20, G.4.5, G.4.8, G.4.9, I.3.5, FC	planned for next edition	adopted for 2.5/S-401
IEHG	297	1	NL	CATSPM adding values	14.10.2015	*Approved*	25.11.2015	At Rws, analyses of several sources for ENC production has been executed. It was found out that the central database for AtoN's (buoys and beacon) contains of a lot maritime S57 attribute values that are not available in the Inland Ecdis Standard. I.e. 401 special purpose buoys (BOYSPP) in the database (and the real world) , 20%, have been registered with a maritime value for CATSPM. (not only for the North sea area ; see attached map.	O.4.1 Page 261, FC	planned for next edition	resubmit with all S-57 enumerations for FC and all with the exception of 9, 15, 53, 56 for the EG
IEHG	298	0	AT	Remote display of depth indicators and gauges	05.11.2015	*adopted*	17.12.2015	IEHG decided at the XIIIth meeting that remote displays should be encoded.	I.3.1, I.3.4	planned for next version	adopted for 2.4.1
IEHG	299	0	AT	CR_X_Y_Y_vY_JJJJ1	05.11.2015	*Approved*	17.12.2015	amendment of the CR form: delete the brackets around "Edition ...." of the Feature Catalogue	none	doesn't affect Product Specification	superseded
IEHG	300	0	AT	Collection features extending beyond cell boundaries	06.11.2015	*adopted*	18.12.2015	guidance for the encoding of collection features that are extending beyond cell boundaries	Section General Guidance of the Encoding Guide	planned for next version	adopted for 2.4.1
IEHG	301	2	NL	Addition of Magnetic Variation	06.01.2016	*adopted*	17.02.2016	Both inland vessels and recreational vessels use magnetic compasses to navigate on the Dutch open waters, therefore the Dutch Rijkswaterstaat would like to use the magnetic variation feature (MAGVAR) of S-57	L.3.4, FC	planned for next edition	adopted for 2.5/S-401
IEHG	302	2	NL	Offshore safety zone	06.01.2016	*adopted*	17.02.2016	The Dutch Rijswaterstaat would like to encode offshore safety zones of S-57: Add CATREA = 1 (offshore safety zone)	M.2.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	303	2	NL	Fishing Facilities	29.12.2015	*Approved*	09.02.2016	The Dutch Rijkswaterstaat would like to able to encode the presence of fishing facilities of S-57: add HYDRO feature FSHFAC, add enumeration CATFIF = 1 (fishing stake), 2 (fish trap), 3 (fish weir), add the HYDRO enumeration VERLEN	M.4.8, FC	planned for next edition	resubmit with all S-57 attributes and enumerations for the FC
IEHG	304	2	NL	Military Practice area	29.12.2015	*Approved*	09.02.2016	The Dutch Rijkswaterstaat would like to able to encode the presence of military practise areas of S-57: add HYDRO feature MIPARE, add enumeration CATMPA = 4 (firing danger area)	M.4.9, FC	planned for next edition	resubmit with all S-57 attributes and enumerations for the FC
IEHG	305	2	NL	addition of light characteristic very quick-flashing for cardinal buouys	29.12.2015	*adopted*	09.02.2016	The IALA recommended light characterisitics for cardinal buoys includes very quick-flashing, adaptation to S-57	O.1.4, FC	planned for next edition	adopted for 2.5/S-401
IEHG	306	2	NL	Special purpose beacons	29.12.2015	*Approved*	09.02.2016	The Dutch Rijkswaterstaat would like to encode special purpose beacons of S-57	O.2.11, FC	planned for next edition	resubmit with all S-57 attributes and enumerations for the FC, wait for pictures from Flavia
IEHG	307	2	NL	Cardinal beacons	29.12.2015	*adopted*	09.02.2016	The Dutch Rijkswaterstaat would like to encode cardinal beacons of S-57: Add Hydro feature BCNLAT with enumeration CATCAM	O.2.9, FC	planned for next edition	adopted for 2.5/S-401
IEHG	308	2	NL	Safe water beacons	29.12.2015	*adopted*	09.02.2016	The Dutch Rijkswaterstaat would like to encode safe water beacons of S-57: Add Hydro feature BCNSAW	O.2.10, FC	planned for next edition	adopted for 2.5/S-401, Flavia will provide pictures
IEHG	309	0	NL	Emergency wreck marking buoy	29.12.2015	*Rejected*	09.02.2016	The Dutch Rijkswaterstaat and the Flemish Hydrographic office would like to be able to encode emergency wreck marking buoys of S-57: Add CATSPM = 27 (general warning mark) to Hydro feature BOYSPP	O.4.2, FC	planned for next edition	The NL are requested to combne this proposal with the CR for O.4.1
IEHG	310	2	NL	Direction of buoyage	05.01.2016	*adopted*	16.02.2016	The Dutch Rijkswaterstaat would like to be able to display the local direction of buoyage in for example intertidal creeks by adding ORIENT	C.1.3, FC	planned for next edition	adopted for 2.5/S-401
IEHG	311	2	NL	Accuracy of position feature	30.12.2015	*adopted*	10.02.2016	The Dutch Rijkswaterstaat would like to use the accuracy of position feature (M_ACCY) of S-57	C.1.9, FC	planned for next edition	adopted for 2.5/S-402
IEHG	312	2	NL	Tideways	30.12.2015	*Approved*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode tideways of S-57: add HYDRO feature TIDEWY	D.1.6, FC	planned for next edition	resubmit with additional Encoding Instruction copied from the Use of the Object Catalogue
IEHG	313	0	NL	Cliffs	30.12.2015	*Rejected*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode cliffs of S-57: add CATSLO = 6 (cliff)	D.2.6, FC	planned for next edition	Denise is requested to combine the proposal with page D.2.4 of the EG

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IEHG	314	0	NL	Cuttings Embankments	06.01.2016	*Rejected*	17.02.2016	The Dutch Rijkswaterstaat would like to able to encode cuttings and embankments of S-57 on its inland waterways: add CATSLO = 1 (cutting)	D.2.7, FC	planned for next edition	Denise is requested to combine the proposal with page E.3.2 of the EG
IEHG	315	0	NL	Causeways	30.12.2015	*Rejected*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode causeways of S-57: add Hydro feature CAUSWY	E.2.4, FC	planned for next edition	The NL are requested to clarify what is meant with "refer to letter A" in the Object Encoding; resubmit
IEHG	316	2	NL	Fortified Structures	06.01.2016	*adopted*	17.02.2016	The Dutch Rijkswaterstaat would like to able to encode fortified structures of S-57: add HYDRO feature FORSTC, add HYDRO CATFOR = 1 (castle), 2 (fort), 3 (battery), 4 (blockhouse), 5 (Martello tower), 6 (redoubt)	E.1.2, E.3.3, FC	planned for next edition	adopted for 2.5/S-401
IEHG	317	2	NL	Cargo transhipment areas	30.12.2015	*Approved*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode the presence of cargo transhipment areas, add HYDRO feature CTSARE	G.3.27, FC	planned for next edition	resubmit with new Encoding instruction
IEHG	318	2	NL	Gridirons	30.12.2015	*adopted*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode gridirons of S-57: add Hydro feature GRIDIRON , add HYDRO enumeration VERLEN	G.3.27 (has to be corrected to G.3.28), FC	planned for next edition	adopted for 2.5/S-401
IEHG	319	0	NL	Water Turbulence	30.12.2015	*Rejected*	10.02.2016	In tidal estuaries significant eddies, overfalls and tide rips may be experienced: Add CATWAT = 2 (eddies), 3 (overfalls), 4 (tide rips)	H.1.2, FC	planned for next edition	The NL are requested to check whether it is really necessary to encode this type of turbulences in Inland ENCs. If yes, they are requested to provide Encoding Instructions. It is e.g. not clear how the turbulences in the picture should be encoded.
IEHG	320	2	NL	Tidal streams	30.12.2015	*adopted*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode tidal stream of S-57: add Hydro feature TS_FEB	H.2.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	321	0	NL	Tidal stream panel data	30.12.2015	*Rejected*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode tidal stream of S-57: add Hydro feature TS_FEB	H.2.2, FC	planned for next edition	The NL are requested to check whether it is really necessary to encode tidal stream panel data in IENCs. Othe means of information seem more appropriate on inland waterways
IEHG	322	0	NL	Weed/ kelp	30.12.2015	*Rejected*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode the presence of weed/kelp of S-57: add HYDRO feature WEDKLP, add HYDRO CATWED = 1 (kelp), 2 (sea weed), 3 (sea grass), 4 (sargasso)	J.4.2, FC	planned for next edition	The NL are requested to clarify whether this is really a permanent obstacle that has to be encoded in IENCs or an occasional obstacle that is better communicated by NtS
IEHG	323	2	NL	Sand waves	06.01.2016	*adopted*	17.02.2016	The Dutch Rijkswaterstaat would like to able to encode the (possible) presence of sandwaves of S-57: add HYDRO feature SNDWAV add the HYDRO enumeration VERLEN	J.4.3, FC	planned for next edition	adopted for 2.5/S-401, might become J.4.2 if the CR for J.4.2 is withdrawn
IEHG	324	2	NL	Offshore production areas	06.01.2016	*adopted*	17.02.2016	The Dutch Rijkswaterstaat would like to able to encode offshore production areas of S-57: add Hydro feature OSPARE, add Hydro enumeration CATPRA = 4 (powerstation area), 9 (windfarm), add Hydro enumeration VERLEN	K.2.1, FC	planned for next edition	adopted for 2.5/S-401, the NL are requested to check whther height and VERLEN are really encoded for the area
IEHG	325	2	NL	Offshore platforms	06.01.2016	*adopted*	17.02.2016	The Dutch Rijkswaterstaat would like to able to encode offshore platforms of S-57: add Hydro feature OFSPLF, add Hydro enumeration CATOFP = 1 (oil derrick/rig), 2 (production platform), 3 (observation/research platform), 4 (articulated loading platform (ALP)), 5 (single anchor leg mooring (SALM)), 6 (mooring tower), 7 (artificial island), 9 (accommodation platform), add Hydro enumeration VERLEN	K.2.2, FC	planned for next edition	adopted for 2.5/S-401
IEHG	326	2	NL	Radar line	30.12.2015	*adopted*	10.02.2016	The Netherlands would like to encode the S-57 feature Radar Line RADLNE	L.1.6, FC	planned for next edition	adopted for 2.5/S-401
IEHG	327	2	NL	TSS - Recommended Lane Part	30.12.2015	*Approved*	10.02.2016	China would like to be able to encode Recommended traffic lane parts of S-57: Add Hydro feature RCTLPT to the feature catalogue	L.1.7, FC	planned for next edition	adopted for 2.5/S-401
IEHG	328	2	NL	TSS - Traffic separation scheme boundary	30.12.2015	*Approved*	10.02.2016	China would like to be able to encode Traffic separation scheme boundaries of S-57: Add Hydro feature TSSBND to the feature catalogue	L.1.8, FC	planned for next edition	resubmit without CATTSS
IEHG	329	2	NL	TSS - Traffic separation scheme crossing	30.12.2015	*Approved*	10.02.2016	China would like to be able to encode Traffic separation scheme crossings: Add Hydro feature TSSCRS to the feature catalogue	L.1.9, FC	planned for next edition	resubmit without CATTSS

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IEHG	330	2	NL	TSS - Traffic separation scheme lane part	06.01.2016	*Approved*	17.02.2016	China would like to be able to encode Traffic separation scheme lane parts of S-57: Add Hydro feature TSSLPT to the feature catalogue	L.1.10, FC	planned for next edition	resubmit without CATTSS
IEHG	331	0	NL	Fishery Zones	30.12.2015	*Rejected*	10.02.2016	The Dutch Rijkswaterstaat would like to able to encode the presence of fishery zones of S-57: add HYDRO feature FSHZNE	M.4.10, FC	planned for next edition	the NL are requested to check whether this feature without any physical object is necessary for inland waterways. If yes, they are requested to provide the missing Encoding instruction B
IEHG	332	2	NL	Pilot boarding places	30.12.2015	*adopted*	10.02.2016	The Dutch Rijkswaterstaat would like to encode Pilot boarding places of S-57: Add Hydro feature PILBOB, add Hydro enumerations CATPIL, PILDST, NPLDST	M.4.11, FC	planned for next edition	adopted for 2.5/S-401
IEHG	333	2	NL	Obscured light sectors	30.12.2015	*adopted*	10.02.2016	The Dutch Rijkswaterstaat would like to encode obscured light sectors. Add the enumeration LITVIS to LIGHTS: (O) LITVIS = [7, (obscured), 8 (partially obscured)] of S-57	N.1.2, N.1.3, N.1.4, N.1.5, FC	planned for next edition	adopted for 2.5/S-401, the NL are requested to provide the missing pdf
IEHG	334	2	NL	Oscillating light sectors	30.12.2015	*adopted*	10.02.2016	The Dutch Rijkswaterstaat would like to encode oscillating light sectors	N.1.5	planned for next version	adopted for 2.4.1
IEHG	335	0	NL	Radar ranges	30.12.2015	*Rejected*	10.02.2016	The Dutch Rijkswaterstaat would like to encode radar ranges withnthe S-57 object RADRNG	Q.1.2, FC	planned for next edition	The NL are requested to check why it is not possible to use comare. IEHG does not see a benefit in using RADRNG
IEHG	336	0	NL	Coast guard stations	30.12.2015	*Rejected*	10.02.2016	The Dutch Rijkswaterstaat would like to encode Coastguard Stations of S-57. Add Hydro feauture CGUSTA	R.3.2, FC	planned for next edition	The NL are requested to explain the benefit for inland navigation
IEHG	337	2	US	VALDCO	13.05.2016	*adopted*	24.06.2016	Add a precision of 2 decimal places to VALDCO in the Feature Catalogue to be consistent with the Encoding Guide.	I.2.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	338	1	NL	add Encoding Instructions for Pile G 3.24	01.06.2016	*adopted*	13.07.2016	According IENC Feature Catalogue Edition 2.3 2013-02-19 OBJNAM has become Conditional. The EG don't describe this condition	G.3.24	planned for next version	adopted for 2.4.1
IEHG	339	2	DE	Extra verdat values for River Elbe	10.06.2016	*adopted*	22.07.2016	At the change from River Elbe to the North Sea, River Elbe is influenced by the tide. In this section dephts are referenced to LAT and HAT.	C.1.4, C.1.5, G.1.1, G.1.2, G.1.3, G.1.4, G.1.5, G.1.6, G.1.8, G.1.9, G.1.11, G.1.12, G.3.3, G.3.4, G.3.7, G.3.20, G.4.5, G.4.8, G.4.9, I.3.5, FC (corrected to VERDAT 23 and 30)	planned for next edition	adopted for 2.5/S-401
IEHG	340	2	BE	Historic distance marks	14.06.2016	*adopted*	26.09.2016	There are a lot of physically installed distance marks with a notation which is not the correct distance. It's important that the skipper is aware of this so communication will be easier.	L.3.3	planned for next version	adopted for E.4.1 and regarding the FC for 2.5/S-401
IEHG	341	0	AT	Amendment of the IEHG Change Request Form	26.07.2016	*Approved*	06.09.2016	The current Change request form does not contain a Change request number. In the past it is often hard to find an overview in the Change requests. I would therefore propose to add a CR number in the CR form and to introduce a new file naming.	none	doesn't affect Product Specification	superseded
IEHG	342	2	US	CR_DRVAL1 & DRVAL2	02.09.2016	*adopted*	17.10.2016	Change Object Encoding for all features containing DRVAL1 & DRVAL2 to two decimal places "[x.xx] (meters), e.g. 2.74" to be consistent with the Feature Catalogue	D.1.4, G.2.7, I.1.1, I.1.2, I.1.3, I.1.5, I.1.6, I.1.7, I.1.9	planned for next version	adopted for 2.4.1
IEHG	343	0	NL	Dutch estuary low water reference level (OLW)	01.11.2016	*Approved*	13.12.2016	Object encoding of Object class m_sdat: Add Hydro enumeratie 23 (Lowest Astronomical Tide (LAT)) and new enumeration 45 (Dutch estuary low water reference level (OLW)) to attribute verdat	C.1.4, FC	planned for next edition	The NL are requested to check whether the enumerations should only be available for C.1.4 or also for other pages
IEHG	344	2	NL	Vertical length	01.11.2016	*adopted*	13.12.2016	Add enumeration (O) VERLEN = [xxx.x] (units defined in hunits), e.g., 21.7 to feature class PILPNT	N.1.2, FC	planned for next edition	adopted for 2.5/S-401
IEHG	345	2	NL	Vertical length	01.11.2016	*adopted*	13.12.2016	Add enumeration (O) VERLEN = [xxx.x] (units defined in hunits), e.g., 21.7 to feature class PILPNT	G.3.24, FC	planned for next edition	adopted for 2.5/S-401
IEHG	346	2	NL	Height / Vertical length	01.11.2016	*adopted*	13.12.2016	Add attribute (O) HEIGHT = [xxx.x] (units defined in hunits), e.g. 21.7 to feature classe LIGHTS Add attribute (O) VERLEN = [xxx.x] (units defined in hunits), e.g., 21.7 to feature class PILPNT	N.1.3, FC	planned for next edition	adopted for 2.5/S-401
IEHG	347	2	NL	Height / Vertical length	01.11.2016	*adopted*	13.12.2016	Add attribute (O) HEIGHT = [xxx.x] (units defined in hunits), e.g., 21.7 to feature class LIGHTS Add attribute (O) VERLEN = [xxx.x] (units defined in hunits), e.g., 21.7 to feature class PILPNT	N.1.4, FC	planned for next edition	adopted for 2.5/S-401

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IEHG	348	2	NL	Height / Vertical length	01.11.2016	*adopted*	13.12.2016	Add attribute (O) HEIGHT = [xxx.x] (units defined in hunits), e.g., 21.7 to feature class LIGHTS Add attribute (O) VERLEN = [xxx.x] (units defined in hunits), e.g., 21.7 to feature class PILPNT	N.1.5, FC	planned for next edition	adopted for 2.5/S-401
IEHG	349	2	NL	Colour and height of Landmarks	01.11.2016	*adopted*	13.12.2016	Add enumeration (O) COLOUR = [1 (white), 2 (black), 3 (red), 4 (green), 5 (blue), 6 (yellow), 7 (grey), 8 (brown), 9 (amber), 10 (violet), 11 (orange), 12 (magenta), 13 (pink)] to object class LNDMRK Add enumeration (O) VERLEN = [xxx.x] (units defined in hunits), e.g., 21.7 to feature class LNDMRK	F.1.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	350	2	NL	COLOUR and BOYSHP of MORFAC / Deviation Dolphin	01.11.2016	*adopted*	13.12.2016	Add attribute (O) COLOUR = [1 (white), 2 (black), 3 (red), 4 (green), 5 (blue), 6 (yellow), 7 (grey), 8 (brown), 9 (amber), 10 (violet), 11 (orange), 12 (magenta), 13 (pink)] to object class MORFAC Add attribute (C) BOYSHP = [2 (can (cylindrical), 3 (sperical), 6 (super buoy)] to feature class MORFAC Add enumeration CATMOR = 2 (deviation dolphin) to feature class MORFAC Add encoding instruction: J) Encoding of BOYSHP is only allowed if CATMOR = 7	G.3.12, FC	planned for next edition	adopted for 2.5/S-401
IEHG	351	2	NL	QUASOU of Obstruction	01.11.2016	*adopted*	13.12.2016	Add enumeration (O) QUASOU = [2 (depth unknown), 6 (least depth known), 7 (value shown), 8 (value reported (not surveyed))] to feature class OBSTRN	J.3.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	352	2	NL	COLOUR of PILPNT	01.11.2016	*Approved*	13.12.2016	Add enumeration (O) COLOUR = [1 (white), 2 (black), 3 (red), 4 (green), 5 (blue), 6 (yellow), 7 (grey), 8 (brown), 9 (amber), 10 (violet), 11 (orange), 12 (magenta), 13 (pink)] to object class PILPNT Add enumeration (C) COLPAT = [1 (horizontal stripes), 2 (vertical stripes), 3 (diagonal stripes), 4 (squared), 5 (stripes (direction unknown)), 6 (border stripe)] Add encoding instruction: E) Encoding of COLPAT is mandatory for any object (except LIGHTS) that has more than one colour	G.3.24, FC	planned for next edition	resubmit
IEHG	353	2	NL	COLOUR of PILPNT	01.11.2016	*Approved*	13.12.2016	Add enumeration (O) COLOUR = [1 (white), 2 (black), 3 (red), 4 (green), 5 (blue), 6 (yellow), 7 (grey), 8 (brown), 9 (amber), 10 (violet), 11 (orange), 12 (magenta), 13 (pink)] to object class PILPNT Add enumeration (C) COLPAT = [1 (horizontal stripes), 2 (vertical stripes), 3 (diagonal stripes), 4 (squared), 5 (stripes (direction unknown)), 6 (border stripe)] Add encoding instruction: M) Encoding of COLPAT is mandatory for any object (except LIGHTS) that has more than one colour	N.1.5, FC	planned for next edition	resubmit
IEHG	354	2	NL	COLOUR of PILPNT	01.11.2016	*Approved*	13.12.2016	Add enumeration (O) COLOUR = [1 (white), 2 (black), 3 (red), 4 (green), 5 (blue), 6 (yellow), 7 (grey), 8 (brown), 9 (amber), 10 (violet), 11 (orange), 12 (magenta), 13 (pink)] to object class PILPNT Add enumeration (C) COLPAT = [1 (horizontal stripes), 2 (vertical stripes), 3 (diagonal stripes), 4 (squared), 5 (stripes (direction unknown)), 6 (border stripe)] Add encoding instruction: P) Encoding of COLPAT is mandatory for any object (except LIGHTS) that has more than one colour	N.1.3, FC	planned for next edition	resubmit
IEHG	355	2	NL	COLOUR of PILPNT	01.11.2016	*Approved*	13.12.2016	Add enumeration (O) COLOUR = [1 (white), 2 (black), 3 (red), 4 (green), 5 (blue), 6 (yellow), 7 (grey), 8 (brown), 9 (amber), 10 (violet), 11 (orange), 12 (magenta), 13 (pink)] to object class PILPNT Add enumeration (C) COLPAT = [1 (horizontal stripes), 2 (vertical stripes), 3 (diagonal stripes), 4 (squared), 5 (stripes (direction unknown)), 6 (border stripe)] Add encoding instruction: N) Encoding of COLPAT is mandatory for any object (except LIGHTS) that has more than one colour	N.1.4, FC	planned for next edition	resubmit

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IEHG	356	2	NL	COLOUR of PILPNT	01.11.2016	*Approved*	13.12.2016	Add enumeration (O) COLOUR = [1 (white), 2 (black), 3 (red), 4 (green), 5 (blue), 6 (yellow), 7 (grey), 8 (brown), 9 (amber), 10 (violet), 11 (orange), 12 (magenta), 13 (pink)] to object class PILPNT Add enumeration (C) COLPAT = [1 (horizontal stripes), 2 (vertical stripes), 3 (diagonal stripes), 4 (squared), 5 (stripes (direction unknown)), 6 (border stripe)] Add encoding instruction: P) Encoding of COLPAT is mandatory for any object (except LIGHTS) that has more than one colour	N.1.2, FC	planned for next edition	resubmit
IEHG	357	2	DE	VERCLR of cdlohd	06.02.2017	*adopted*	25.03.2017	G.1.8 Overhead Cable: change (M) VERCLR to 1 decimal digit = [xx.x] (metres), e.g., 13.2; The vertical clearance at overhead cables depends strongly on the temperature and therefore values with centimeter accuracy would pretend a not existing accuracy	G.1.8, FC	planned for next edition	adopted for 2.4.1 and regarding FC for 2.5/S-401
IEHG	358	2	AT	Built-up Areas	29.03.2017	*adopted*	09.05.2017	For Crane we are missing the attribute 'unlocd' to encode the UN Location Code, which is used to establish a standardized realtion to RIS.	E.1.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	359	2	AT	Crane	28.03.2017	*adopted*	09.05.2017	For Crane we are missing the attribute 'unlocd' to encode the UN Location Code, which is used to establish a standardized realtion to RIS.	G.3.4, FC	planned for next edition	adopted for 2.5/S-401
IEHG	360	0	AT	Landing Stage, Pontoon	28.03.2017	*adopted*	09.05.2017	If the ponton object is covered by a DEPARE, depare, DRGARE or UNSARE, but a part of the fixing of the pontoon is only on land, it should not be an error (proposed amendmends to the Recommended Validation Checks for IENCs)	G.3.11	planned for next version of the RVC	adopted for 2.4.1 of RVC
IEHG	361	0	AT	Permanently Moored Vessel or Facility	28.03.2017	*adopted*	09.05.2017	If the hulkes object is covered by a DEPARE, depare, DRGARE or UNSARE, but a part of the fixing of the permanently moored ship is only on land, it should not be an error (proposed amendmends to the Recommended Validation Checks for IENCs).	G.3.14	planned for next version of the RVC	adopted for 2.4.1 of RVC
IEHG	362	2	AT	Cable Ferry	28.03.2017	*adopted*	09.05.2017	For Cable Ferry we are missing the attribute 'unlocd' to encode the UN Location Code, which is used to establish a standardized realtion to RIS.	L.2.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	363	2	AT	Free Moving Ferry	28.03.2017	*adopted*	09.05.2017	For Free Moving Ferry we are missing the attribute 'unlocd' to encode the UN Location Code, which is used to establish a standardized realtion to RIS.	L.2.2, FC	planned for next edition	adopted for 2.5/S-401
IEHG	364	2	AT	Swinging Wire Ferry	28.03.2017	*adopted*	09.05.2017	For Swinging Wire Ferry we are missing the attribute 'unlocd' to encode the UN Location Code, which is used to establish a standardized realtion to RIS.	L.2.3, FC	planned for next edition	adopted for 2.5/S-401
IEHG	365	2	AT	Communication Area	28.03.2017	*adopted*	09.05.2017	According to page M.4.1 of the EG 2.4 and according to S-57 the entries in the attribute COMCHA have to be in square brackets. In the FC 2.4 the square brackets are missing. This should be corrected in edition 2.5 of the FC.	M.4.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	366	2	AT	Bridge Light	28.03.2017	*adopted*	09.05.2017	The current picture in the Encoding guide under N.1.1 shows an non-optimal IENC representation. The representation is without encoding of ORIENT, but referred to Encoding Guide ORIENT is mandatory.	N.1.1	planned for next version	adopted for 2.4.1
IEHG	367	2	AT	Bridge Light	28.03.2017	*adopted*	09.05.2017	The format of the attribute SIGSEQ should be aligned with S-57. In most of the Encoding Instructions the format is already described correctly.	N.1.1, N.1.3, N.1.4, N.1.5, O.1.1, O.1.2, O.1.3,O.1.4, O.1.5, O.1.6, O.1.10, O.2.1, O.2.5, O.4.1, P.1.1, FC	planned for next edition	adopted for 2.5/S-401
IEHG	368	2	AT	Notice Marks	28.03.2017	*adopted*	09.05.2017	Add the following description to the Recommended Validation Checks for IENCs: If the notmrk is a bridge notmrk (catnmk=12,13,44,45,46,47 or 50) then it must have the attribute ORIENT defined. If the notmrk with attribute catnmk = 50 (value name E.1) is not positioned at a bridge, then ORIENT is not required.	O.3.1	planned for next version of the RVC	adopted for 2.4.1 of RVC
IEHG	369	0	AT	Radio Calling-in Point	28.03.2017	*adopted*	09.05.2017	According to page Q.2.4 of the EG 2.4 and according to S-57 the entries in the attribute COMCHA have to be in square brackets. In the FC 2.4 the square brackets are missing. This should be corrected in edition 2.5 of the FC.	Q.2.1	planned for next edition	adopted for 2.5/S-401

Expert Group	CR number	CR version	CR Suppli	Title / short description	Issue date	Approved / Withdrawn /	Date of decision	Description of change	Affected parts of the standard	Implemented in standard version	Comment
IEHG	370	0	DE	MMSI Code for Aids to Navigations (AtoNs)	22.05.2017	*Approved*	30.06.2017	Add the following new Encoding Instruction: x) If the position of the buoy/day mark is transmitted by an AIS transponder the MMSI number of the transponder should be encoded to provide the possibility to connect the chart object with the AIS message.	O.1.1-O.1.3, O.1.5, O.2.1, FC; extend to maritime AtoNs?	planned for next edition	Germany is requested to check whether the CR really only refers to inland specific AtoNs or has to be amended to refer to maritime AtoNs, too
IEHG	371	2	AT	Waterway Gauge	09.06.2017	*adopted*	21.07.2017	According to FC 2.4 for Elevation at feature Waterway gauge 2 decimal digits are allowed.	I.3.4	planned for next version	adopted for 2.4.1, remark in S-100 to be amended
IEHG	372	2	BE	Waterway gauge	10.07.2017	*adopted*	28.08.2017	Add verdat attribute to EG Object Encoding as conditional attribute. Change 'vcrlev' in the encoding instructions under point J into 'sdrlev'. In the feature catalogue the verdat attribute is listed but not in the encoding guide. The EG encoding instructions refers to the enumeration of the verdat attribute to be used for the vcrlev (I) and the sdrlev (J) attribute. Therefore add the verdat attribute to the EG as conditional attribute. In the encoding instructions 'vcrlev' is used under point J while this should be 'sdrlev'.	I.3.4	planned for the next version	adopted for 2.4.1
IEHG	373	2	BE	Berths	10.07.2017	*adopted*	28.08.2017	Move the coding instruction for DRVAL1 to the middle column of the EG and add QUASOU, SOUACC and verdat as conditional attributes to the object encoding of the EG. Proposed instruction: "If the DRVAL1 attribute is used, QUASOU, SOUACC and verdat should also be provided."	M.1.3	planned for the next version	adopted for 2.4.1
IEHG	374	0	BE	verdat - enumeration	10.07.2017		28.08.2017	Delete enumeration 44 (Tweede Algemene Waterpassing) because this is a reference level instead of a vertical datum.	C.1.4 Sounding Datum, C.1.5. Vertical Datum, G.1.1 Bascule Bridge, G.1.2 Bridges with Bridge Arches, G.1.3 Fixed Bridge, G.1.4 Lift Bridge, G.1.5 Suspension Bridge, G.1.6 Swing Bridge, G.1.8 Overhead Cable, G.1.9 Overhead Pipe, G.1.11 Foot Bridge / Catwalk, G.1.12 Retractable (Draw) Bridge, G.3.3 Conveyor, G.3.4 Crane, G.3.7 Floating Dock, G.3.20 Vehicle Transfer Location, G.4.5. Lock Gate, G.4.8. Exceptional Navigational Structure, G.4.9 Opening , arrage, I.3.5 Waterway Profile + FC	planned for next edition	Has already been adopted as CR 296
IEHG	375	0	BE	Typical width of European vessels	01.08.2017	*adopted*	12.09.2017	Encoding instruction B: "(12m for European waterways of CEMT class IVa an above)" instead of (12m for European waterways).	G.1.2	planned for next version	adopted for 2.4.1
IEHG	376	0	NL	add horclw for encoding an aqueduct	27.09.2017	*adopted*	08.11.2017	Add the following new Encoding Instruction: K For encoding an aquduct : If the usable horizontal clearance of width is a distance which is provided by the competent authority for safe navigation, they must be encoded with 'horclw'.	G.4.8, FC	planned for next edition	adopted for 2.5/S-401
IEHG	377	0	NL	add dyke (21) to attribute catslc	27.09.2017	*Rejected*	08.11.2017	Change the Encoding Instruction into : A When a dyke is coincident with the coastline, it must be encoded as a DYKCON and in addition a SLCONS of type line, with (new) catslc = 21 (dyke, levee) along its seaward border.	G.2.1, FC	planned for next edition	S-101 has the same regulation as the IENC EG 2.4. A duplication of an existing enumeration would not be accepted
IEHG	378	2	CN	Add new CATREA value and restrn value	26.09.2017	adopted	06.11.2017	Add： new CATREA value = 29（ship pollution emission control area） and new restrn value =39（SOx emission restricted）and value=40（NOx emission restricted）	M.2.1, FC	planned for next edition	adopted for 2.5/S-401