

**IHO CSMWG 17**  
**NHS Stavanger, Norway 11-13 June 2007**

**Published ENC Encoding Bulletin regarding  
the portrayal of OBJNAM on LNDARE**

**Background:**

From information supplied at CSMWG16, encoding bulletins were prepared for the portrayal of OBJNAM for BUUARE and LNDARE (Bulletins No 12 and 13).

**12. UOC Clause 4.1 Land Area (LNDARE)**

Clause 4.1 of Edition 2.1 (April 2002) of the Use of the Object Catalogue (S-57 Appendix B1, Annex A) provides advisory encoding of land area. **OBJNAM** will be portrayed on all type approved ECDIS that have been updated to the future Edition 3.4 of the S-52 Presentation Library.

Encoders should note that once the S-52 Presentation Library, Edition 3.4 is operational on 1 January 2008, identical **OBJNAMs** should not be populated for other object classes (such as **LNDGRN** or **ADMARE**) if **LNDARE** at that location is populated with **OBJNAM**. HOs may need to remove double encoding of **OBJNAM** from land regions and other object classes, from existing ENCs, if the purpose was to portray the **OBJNAM**

It may no longer require one for BUUARE, provided both point and area features both portray OBJNAM (not specified below)???

It does not seem logical that LNDARE will portray OBJNAM for point and area, but not for line features. Surely the primitive shouldn't matter and the LUT or CSP should accommodate all 3 primitives. This matter could be discussed at the combined TSMAD/CSMWG meeting.

**The current situation with the PresLib is:**

If OBJNAM is encoded for built-up areas (BUUARE): no change - OBJNAM is already portrayed for those objects by current PL version 3.3 (in place).

For land areas (LNDARE) encoded as point objects, OBJNAM is NOT portrayed by PL version 3.3.

For land regions (LNDGRN) coded as point objects, OBJNAM is portrayed by PL version 3.3.

For LNDARE and LNDGRN coded as line objects, OBJNAM is NOT portrayed by PL version 3.3.

For LNDARE and LNDGRN coded as area objects, OBJNAM is portrayed by PL version 3.3.

display of OBJNAM (+/-)

under PL 3.3                      LNDARE    LNDGRN

Point objects	-	+
Line objects	-	-
Area objects	+	+

Assuming that HO's may not encode OBJNAM for LNRGRN any longer, but encode LNDARE, older ECDIS running PL 3.3 will NOT portray any OBJNAM.

- to point objects of LNDARE and LNDRGN.
- to line objects of LNDARE and LNDRGN.

OBJNAM belonging to area objects of LNDARE will be displayed.

Assumed upcoming PL 3.4 would change rules to display OBJNAM of LNDARE only, ECDIS running this new solution but using 'old' data, would NOT display any OBJNAM for point objects of LNDARE and LNDRGN.

Assumed, upcoming PL 3.4 would allow portrayal of OBJNAM for both point objects of LNDARE and LNDRGN, the worst case for this new ECDIS running old data would be to show up the same name twice (this in turn needs double coding of OBJNAM for both point objects which is probably not very likely?). This would be of course an interim solution until all HO's have changed their encoding of OBJNAM to LANDARE only. For new data in a new ECDIS everything would then be OK again.

**CSMWG is proposing therefore to add the display of OBJNAM of LNDARE point objects and keep everything else unchanged.**

Proposed display of OBJNAM (+/-)  
under PL 3.4

	LANDARE	LNDRGN
Point objects	+	+
Line objects	-	-
Area objects	+	+

This proposal would result into the following lookup-table entries:

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Lookup-Table for paper chart point symbolization

"LNDARE", "", "SY(LNDARE01);CS(QUAPOS01);TX(OBJNAM,1,2,2,'15110',0,-1,CHBLK,26)", "4", "O", "DISPLAYBASE", "12010"

Lookup-Table for simplified point symbolization

"LNDARE", "", "SY(LNDARE01);CS(QUAPOS01);TX(OBJNAM,1,2,2,'15110',0,-1,CHBLK,26)", "4", "O", "DISPLAYBASE", "12010"

Lookup-Table for line objects

no change (not displayed)

Lookup-Table for areas with symbolized boundaries

no change

Lookup-Table for areas with plain boundaries

no change (yet displayed)  
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Overall, this amendment to the PresLib 3.4 would be an easy one and it would be good advice to encoders to start this kind of coding from 1 January 2007.