

Paper for Consideration by ENCWG7

Dangerous Cargo Berth

Submitted by:	Netherlands Hydrographic Office
Executive Summary:	Develop encoding of dangerous cargo berths for S-101. Develop (conversion proof) guidance for encoding in S-57.
Related Documents:	S4 chapter B-321.8; S-57 UOC
Related Projects:	S-101 DCEG

Introduction / Background

Port authorities may designate specific dangerous cargo berths, NLHO incorporates these dangerous cargo berths in both paper charts and ENCs. The guidance for paper charts is quite clear whereas the guidance for ENCs (S-57 and S-101) is lacking.

Analysis/Discussion

In accordance with S4 chapter B-321.8 a dangerous cargo berth may be indicated by the following symbol:

 **F19.3**

Currently this symbol is not supported in the portrayal of ECDIS (S-52 Annex A) nor is there clear guidance on how to encode a dangerous cargo berth in S-57. There is no mention of a dangerous cargo berth in Annex A: Use of the Object Catalogue for ENC nor in the S-101 DCEG.

We recently chose to revise our own encoding practice since the previous method proved to be unidentifiable as a dangerous cargo berth.

Modified encoding of dangerous cargo berths in ENCs as follows:

Old:

Attributes - HRBFAC	
CATHAF (Category of harbour facility)	(Unknown)
INFORM (Information)	Berth for ships with dangerous cargo
NINFOM (Information in national language)	Ligplaats kegelschepen
SCAMIN (Scale minimum)	17999

New:

Attributes - BERTHS	
INFORM (Information)	Berth for ships with dangerous cargo
NINFOM (Information in national language)	Ligplaats kegelschepen
OBJNAM (Object name)	Dangerous cargo
SCAMIN (Scale minimum)	17999

Conclusions

Due to lacking encoding guidance, currently the encoding and portrayal of dangerous cargo berths might vary quite fairly between producing authorities.

Straightforward encoding in S-101 should be supported and portrayal should be aligned with symbol F19.3.

Recommendations

- Create (conversion proof) guidance for encoding in S-57
- Create a new S-101 attribute: category of berth and subsequently create a new S-101 category of berth: dangerous cargo berth
- Create a symbol for future portrayal in S-101 ECDIS

Justification and Impacts

Mariners expect an identifiable and uniform way of the portrayal and encoding of dangerous cargo berths throughout ENCs from different producing authorities.

Action Required of ENCWG7/S-101PT9

The ENCWG7/S-101PT9 is invited to:

- a. endorse the paper
- b. discuss the topic and recommendations
- c. decide on the next steps forward