CSMWG18-05.2A

IHO CSMWG-18
Cape Town, South Africa, 7-9 May 2008
[including a combined TSMAD-CSMWG meeting on 7 May]

TSMAD - Proposal

Country / Organisation*: RSA*
TSMAD Document Ref: *TSMAD12.11 RSA2*
File Name: *RSA_proposal2.doc*

Table Columns **No** – Consecutive national proposal number. **Document** – Relevant S-57 document **(See Note 1).** **Section** – Relevant S-57 document section **Proposal Summary** – Short description of proposal (< 50 words). **Cl** – Clarification **(See Note 2).** **Co** – Correction **(See Note 2).** **Ex** – Extension **(See Note 2).** **Rev** – Revision; those documents maintained via the production of new editions**.** (Documents preceded by *). **Decision** – Agreed, Rejected, Deferred, Withdrawn (To be completed during the meeting).	**Note 1**: The following document names should be used: S-57 Main (Part 1, Part 2, Part 3); Appendix A Chapter 1; Appendix A Chapter 2; Appendix A Annex A; Appendix B.1; *Appendix B.1 Annex A; *Appendix B.1 Annex B; *Appendix B.1 Annex C; *Appendix B.1 Annex D; Appendix B.2;	**Note 2:** **Clarifications** do not result in a substantive change to the Standard and must **not** affect an implementation of the base Standard. **Correction**s describe substantive changes to the Standard **Extensions** describe new developments or enhancements to the Standard

No	Document	Section	Proposal Summary	Co	Cl	Ex	Rev	Decision
1	S-57 Appendix A - Chapter 2		Display of SMCFAC area object in ECDIS	☐	☐	☐	☐	

Description:

Display of SMCFAC area object in ECDIS

The South African Navy Hydrographic Office has found a layer hierarchical issue concerning the display of the SMCFAC object in an ECDIS* when it is captured as an area primitive.

*Transas Navisailor 3000

The problem in ECDIS

The SMFAC object is set to too high a layer – meaning that on a Full Display an area SMCFAC object obscures certain objects that happen to be positioned inside the SMCFAC area limits.

The following issues were highlighted during a selected investigation:

Potentially important Point objects that lay under SMCFAC area objects

Three **point** objects were captured inside the area limits of a SMCFAC area object in dKart Editor (see Diagram 1).

(1) LNDMRKs where marked as CONVIS = *not visually conspicuous* **does not** display in the ECDIS eg the Flagstaff (see Diagram 2)

(2) LNDMRKs where marked as CONVIS = *visually conspicuous* **does** display in the ECDIS eg the Chimney (see Diagram 2)

(3) BUISGL where marked as CONVIS = *visually conspicuous* **does** display in the ECDIS (see Diagram 2)

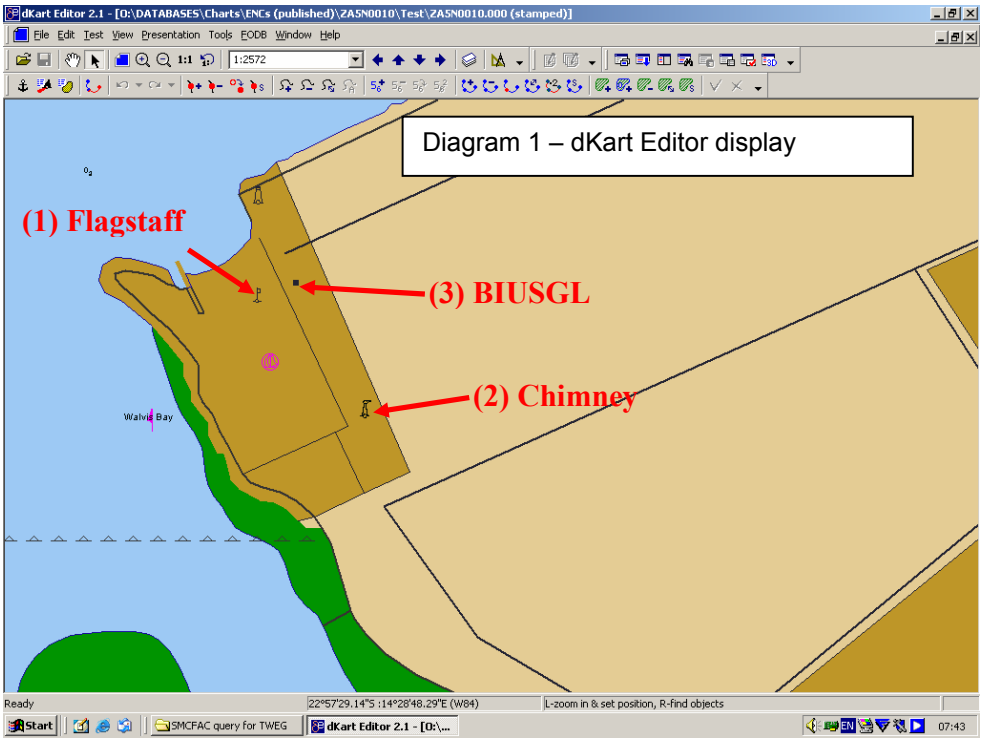
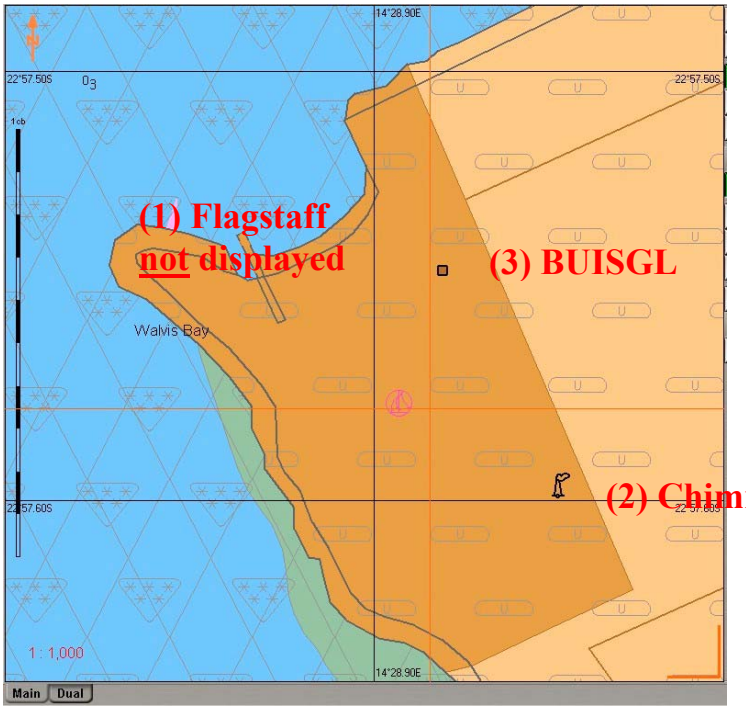


Diagram 1 – dKart Editor display

Diagram 2 – ECDIS display


14°28.90E
22°57.50S
03
1cb
(1) Flagstaff
not displayed
(3) BUISGL
Walvis Bay
(2) Chimney
22°57.60S
1 : 1,000
14°28.90E
Main
Dual

Potentially important Area objects that lay under SMCFAC objects

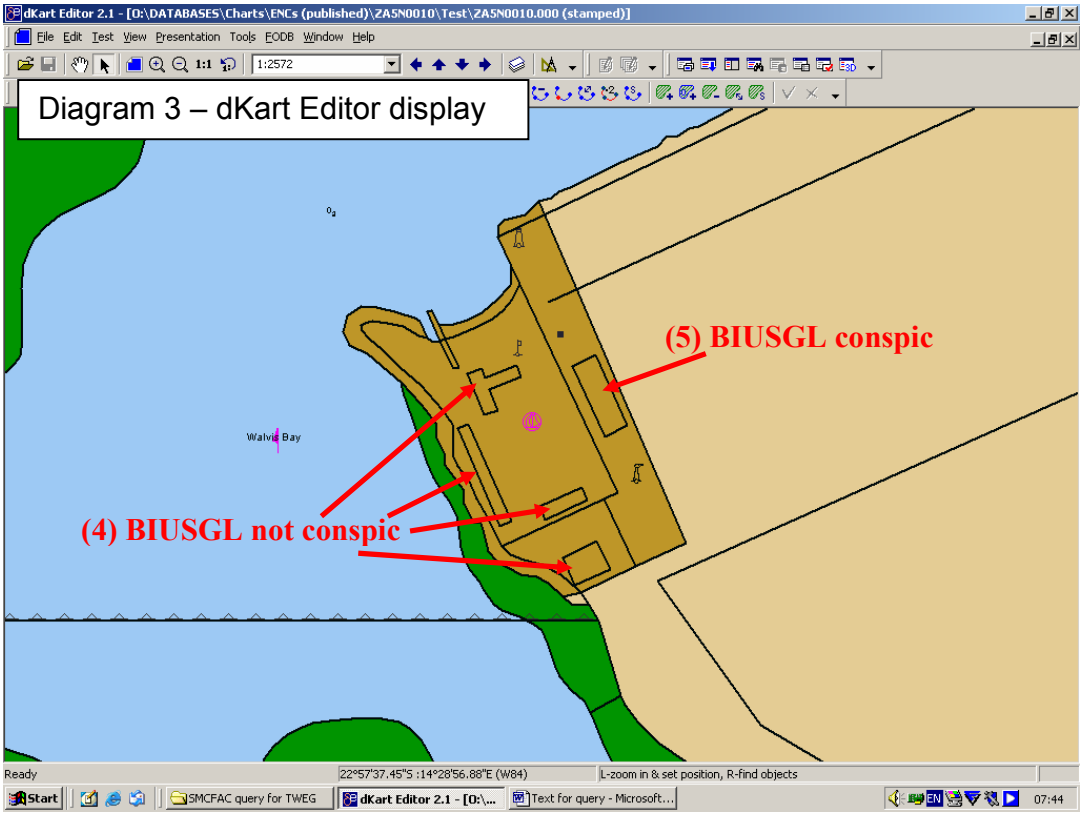
Five **area** BUISGL objects were captured inside the area limits of a SMCFAC area object in dKart Editor (see Diagram 3)

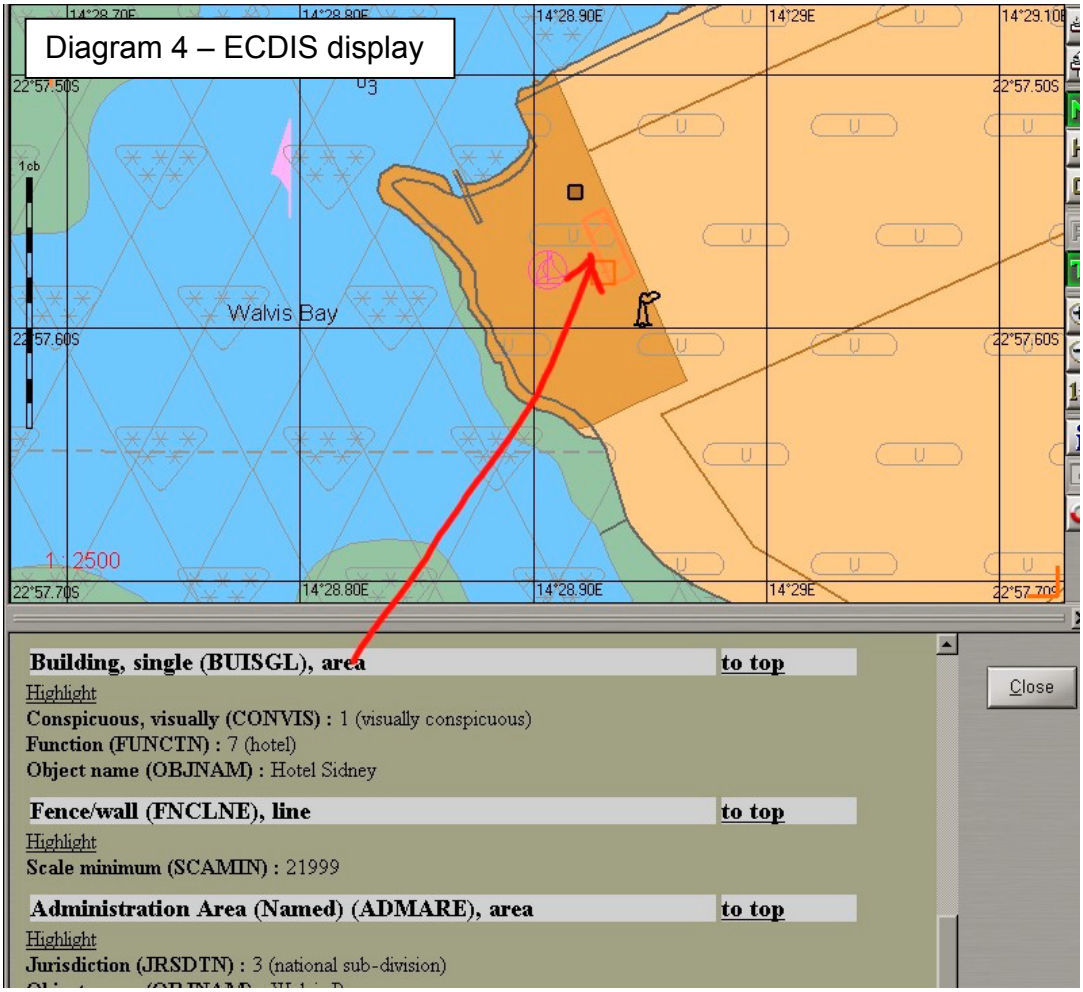
(4) BUISGLs where marked as CONVIS = *not visually conspicuous* **does not** display in the ECDIS (see Diagram 4)

(5) BUISGL where marked as CONVIS = *visually conspicuous* **does not** display in the ECDIS.

The only way the BIUSGL can only be seen is when it is interrogated and highlighted (see diagram 4).

Note that this BUISGL also has an OBJNAM that is not displayed!





Conclusion

The SANHO investigation was only selective but the fact that some conspicuously marked objects do not display on an ECDIS when clearly they should raises concern.

Recommendation

1. The working group conduct a full investigation
2. The next version of S52 changes the display layer of SMCFAC area features