

**Joint TSMAD18 & DIPWG1 MEETING**  
**4<sup>th</sup> to 8<sup>th</sup> May 2009 (Ottawa, Canada)**

**CUMULATIVE DEFERRED ACTION LIST**

**October 2003**

At the 4<sup>th</sup> TSMADWG meeting held in Ostend, Belgium (15 – 17 June 1999), it was noted that many items raised for discussion were not of immediate significance for the next edition of S 57, or required further study. It was decided that these items should be added to a Deferred Actions List, which would be cumulative and would be distributed to TSMAD Working Group members as an attachment to the minutes. TSMAD Working Group members are reminded that deferred items from previous meeting that should also be added to the list should be sent to secretary ([pad@ihb.mc](mailto:pad@ihb.mc)). Any such additions should be accompanied by a brief resume giving an explanation of the proposal(s), as well as a reference to the national paper in which it appeared.

**Deferred Actions from TSMAD/4 – Ostend, Belgium (15 –17 June 1999).**

TSMAD/4/8.1A

8.1 Australian discussion paper dealing with Maritime Boundaries, proposing new Object Classes; MARARE, MARBDY, AUTHTY, CATMAR, LEGISN required further study. Australia, USA, Sweden, and Canada to carry out further work.

TSMAD/4/8.2A

8.3.4 Proposal to add VALSOU to object SLCONS (S 57 Appendix A, Chapter 1) was deferred as it requires further investigation.

TSMAD/4/8.3

8.5.4 The proposal concerning S-57, Part 2, Chapter 8.4 and Appendix B1 Chapter 6.1.1 requested a clarification concerning the way in which new records are inserted during an ENC update. It was decided that no action would be taken until more experience had been gained.

8.5.6.3 Attribute FUNCTN - It was decided that the requirement for a new attribute value "Harbor station" needed further study as it was not clear whether an existing attribute value could be used for this purpose.

8.5.6.5 Attribute STATUS – The proposal to add a new attribute value "Name written", for objects displaying their names, was deferred for further study

8.5.7.1 It was decided that the proposed clarification to Chapter 3.8 (Geometry) required further consideration.

8.5.7.3 Item 3 concerning Chapter 5.2 Volume naming. It was decided that although "Volume" is no longer used, it should be kept for historical reasons, but should be reviewed at a later date.

8.5.7.7 The proposal (concerning S-57 Appendix B1, Chapters 6.3.1 and 6.4.1), requesting that the optional fields and their multiplicities for EN and ER profiles be specified in detail required further study.

8.5.9 France requested clarification on the use of the safety contour on the shoreline. It was agreed that, although this was still an encoding requirement, it should be re examined for future editions.

#### TSMAD/4/8.4

8.6 Hydrographic Product Catalogue – Product Specification. It was decided that this paper presented some interesting concepts, but needed further development.

#### TSMAD/4/8.5

8.7.1 The proposal to add attribute MARSYS to object class Light Float - LITFLT could only be included in the next major edition of S-57, but should however be given further study.

8.7.2 UK stated that it was not possible to encode HORCLR ,VERCLR etc, on LOKBSN objects at navigable scales. INFORM was being used for encoding these values, and it was decided that this required further study.

8.7.3 UK recommended the inclusion of an attribute similar to LITVIS to encode obscured reception Radio Transponder Beacons RTPBCN. It was suggested that INFORM be used until a better solution could be found.

#### TSMAD/4/8.6A

8.8.6 Item 6 concerning Appendix B1, ENC Product Specification – Chapter 5.7 Updating. It was noted that the issues dealing with updated file extensions, were being dealt with by the Updating Working Group and needed further study.

#### TSMAD/4/8.7/rev.1

8.10 The proposal for an additional attribute “UPDATE” requires careful consideration for the next major edition of S 57.

#### TSMAD/4/8.8

8.13 The proposal for an additional attribute value for “ARCHIPELAGO” for CATSEA requires further study. The entire list of CATSEA values should be revised for the next major edition.

#### TSMAD/4/10.1C

10.1 The proposals concerning the future evolution of S-57 in light of the standards development processes taking place within the ISO/TC211, need further study. TSMADGW to solicit expert advice.

#### TSMAD/4/14.3

14.1 It was decided that the issues dealing with Archipelagic Sea Lanes (TSMAD/4/14.3) required further investigation.

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## **Deferred Actions from TSMAD/5 – Wollongong, Australia (4-7 April 2000).**

TSMAD/5/5.5

5.5 It was decided that the UK paper (TSMAD/5/5.5) should be deferred for consideration at a later TSMAD meeting.

TSMAD/5/5.6

5.6.2 Clauses 2.2.7. and 5.3. It was decided that any proposed changes dealing with references to “must” should be postponed until the revision of the USOC concerning this issue, had been completed.

TSMAD/5/14.1

15.1.3. It was decided that the proposal to add an attribute value to describe an approximate elevation, should be put on the Deferred Actions List.

15.1.3.3 The proposal to add a new attribute value for “building” to CATLMK was deferred.

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## **Deferred Actions from TSMAD/6 – IHB Monaco (18, 21, 22 September 2000).**

It was decided prior to the 6<sup>th</sup> TSMAD meeting, that only issues that were of a strategic nature would be considered. As this meeting was held in conjunction with the C&SMWG and an Industry Liaison meeting, there was insufficient time to consider the national proposals and it was therefore agreed that these papers would be deferred to the next TSMAD meeting. The following proposals were deferred:

TSMAD/6/13.1A All proposals in this paper were deferred.

TSMAD/6/13.2A All proposals in this paper were deferred.

TSMAD/6/13.3A All proposals in this paper were deferred.

TSMAD/6/13.4A All proposals in this paper were deferred.

TSMAD/6/13.5A Only Item 2.1 was considered by the meeting. (See TSMAD/6 minutes 13.5)

TSMAD/6/13.6A Only Items 2 and 4 were considered by the meeting. (See TSMAD/6 minutes 13.6).

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## **Deferred Actions from TSMAD/7 – IHB Monaco (23 – 27 April 2001).**

TSMAD7/7.3 Item 3.1 proposing to add a new attribute value 11 - catenary anchor leg mooring (CALM) – for attribute CATOFP was deferred for further study.

TSMAD7/7.4 Item 2 Clause 3.5.2 Proposal to change mandatory attribute for VALLMA, was deferred.  
Code 107 – LITCHR – Light characteristic – proposal to change terminology for attribute values 4,5 and 6 was deferred.

Item 3 Proposed extensions for CATSEA – Strait and Gut – deferred.  
Proposed extensions for FUNCTN Pier Head, Support, Breakwater-  
deferred

TSMAD7/7.5 Proposal 6 dealing with ENC Product Specification Section 5.6.2 – deferred.

TSMAD7/7.7 The following proposals were deferred:

Objects: 1.7b-ANCHARE, 1.12 - BCNSPP, 1.17-BUISGL, 1.24 - BOYSPP, 1.27 -  
CBLSUB, 1.39 - COALNE, 1.47 - DAMCON, 1.65 - FAIRWY, 1.95 - LNDMRK, 1.103  
- MAGVAR, 1.110 - NAVLNE, 1.134 - RAILWY, 1.138 - RECTRC, 1.141 - RESARE,  
1.158 - SILTNK.

Attributes: 2.16 - CATCBL, 2.54 - CATNAV, 2.89 - CATSIL, 2.178 - RESTRN, 2.227 -  
TRAFIC, 2.228 - VALACM, 2.231 - VALMAG, 2.236 - VERCLR,

Item 1.4

Product Specification: 10.1 Leading, clearing and transit lines and recommended  
tracks.

3.5.2. Mandatory Attributes – The proposal to add a paragraph after table 3.2 in the  
ENC Product Specification was deferred. All proposed changes to the ENC  
Validation Check will be dealt with after the completion of the UOC review.  
(TSMAD/7/7)

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#### Deferred Actions from TSMAD/8 – SAN HO Cape Town South Africa (3 – 7 December 2001).

TSMAD8/9.3 14. Appendix B.1 Annex A 4.7.6 Amend the second bullet to read:

“If the river is not navigable at compilation scale it must be encoded as a **RIVERS**  
with a **LNDARE** or **UNSARE** underneath. The name of the river may be encoded  
using OBJNAM.”

15. Appendix B.1 Annex. First section of 4.8.12: “At large scale ...” . Australia does  
not support the option that a C\_ASSO may also be encoded. We understand clause  
15 to imply that a C\_AGGR would be more applicable if a collection object is  
encoded. It is therefore proposed that C\_ASSO be altered to C\_AGGR in the above  
section.

16. Appendix B.1 Annex A 7.1 - No mention is made of issues relating to Appendix  
B.1 Annex C Check numbers 1671 and 1672.

18. Appendix B.1 Annex C - Check s 1730-1734 and 1737-1742 could be amalgamated into one check 1730.
19. Appendix B.1 Annex A – 12.8.1 SIGSEQ should also be prohibited for fixed lights.
20. Appendix B.1 Annex C – Check 1752 SIGSEQ should also be prohibited for fixed lights, add to check.
21. Appendix B.1 Annex A Section 2.3. - Add the following sentence to second last paragraph after “ ... give more detailed information.” Up to 300 charters may be included in the string.
24. Appendix B.1 Annex A. Add paragraph about the implications of not closely following the encoding rules in this document.
25. Appendix B.1 Annex A. Review linear depth areas to be reviewed for a future edition of this document.
26. Appendix B.1 Annex A. Investigate how TXTDSC and INFORM attributes can point to a spatial location within an ENC.
27. Appendix B.1 Annex A. Provide further guidance on the use of SCAMIN and its relation to display scale.
28. Appendix B.1 Annex A. Sections 6.2.2 and 11.9.1. Add a new section on ECDIS alarms under obstructions and then cross reference 11.9.1 back to this clause 6.2.2. (See 8.Co.4).
35. Appendix B.1 Annex A. New clause for DATEND, DATSTA, PEREND, PERSTA with an explanation on encoding, cross reference to clause 6.6.
- TSMAD8/9.4 3. Appendix B.1 Annex C. Amend check no 48 to: “Check for any M\_SREL objects having SCVAL1 and SCVAL2 encoded that the value of SCVAL1 **has been set to a larger scale than SCVAL2.**”
4. Appendix B.1 Annex C. Amend check no. 541 to: “Check that SIGGRP **format** is correct for all LIGHTS, except for fixed LIGHTS, which must not have a value for SIGGRP.”
5. Appendix B.1 Annex C. Add a new check to section 2.2 relating to ENC Product Specification: Check that M\_COVR meta objects provide exhaustive non-overlapping coverage of the whole cell.
6. Appendix B.1 Annex C. Add a new check to section 2.2 relating to ENC Product Specification: Check that M\_QUAL meta objects provide exhaustive, non-overlapping coverage of those areas covered by M\_COVR objects, with CATCOV=1
67. Appendix B.1 Annex C. Amend check no. 1672 to: “Check for **the occurrence of** any point object lying inside an area object of the same class and attribute values, **except for WRECKS and OBSTRN objects.**”

78. Appendix B.1 Annex C. Amend check no. 1752 to: Check that no LIGHTS object with a value of (1) [fixed] for LITCHR contains the attribute SIGGRP, SIGPER and **SIGSEQ**

89. Appendix B.1 Annex C. Review and amend the tables for checks 1657, 1663 & 1669.

TSMAD8/9.5 1. Appendix B.1 Annex C Add new check. Check for any UWTRC having the value (1) or nothing for EXPSON that any depth value is situated within a DEPART of the corresponding range.

2. Appendix B.1 Annex C Change status of check 1565 from Error to Warning.

TSMAD8/9.6A 1. Appendix B.1 Annex A. Add remark to clause 2.2.3.1.

POSACC on the meta object M\_QUAL applies to bathymetric data situated in the area, while QUAPOS or POSACC on the associated spatial objects qualifies the location of the **M\_QUAL** object itself. (No 5).

2. Appendix B.1 Annex A. Add remark to clause 2.2.3.2.

QUAPOS on the meta object M\_SREL applies to bathymetric data situated in the area, while QUAPOS or POSACC on the associated spatial object qualifies the location of the **M\_SREL** object itself. (No 6).

3. Appendix B.1 Annex A. Add remark to clause 2.2.4.1.

POSACC on the meta object M\_ACCY applies to non bathymetric data situated within the area, while QUAPOS or POSACC on the associated spatial object qualifies the location of the **M\_ACCY** object itself. (No 7).

4. Appendix B.1 Annex C. Add new check:

Check that M\_QUAL meta objects provide exhaustive, non overlapping coverage of those areas covered by DEPART and DRGARE objects. (No 8).

5. Appendix B.1 Annex C. Add new check:

Check that the order of data in each base or update file is in accordance with Appendix B.1 clause 6.1.1. (No 9).

6. Appendix B.1 Annex C. Remove check 1509. This check is redundant and is not complete. One individual check already exists for each object class to test prohibited attributes (see checks 1639, 1640, 1647...). (No 10).

7. Appendix B.1 Annex C. Add new check:

Check that all the pointers of any collection object in a cell reference objects that exist in this cell. (No 11).

TSMAD8/9.9 1. Appendix B.1 Annex C. Add LNDARE object to the list for check 1559 (No3)

2. Appendix B.1 Annex C. Add the value 4 (covers and uncovers) to WATLEV for check 61. (No 5)

3. Appendix B.1 Annex C. Add the value 1 (partly submerged at high water) against the HEIGHT attribute and update check 1663 accordingly. (No 6)

4. Appendix B.1 Annex A Section 12.1.2 Based on the IHO definitions, substitute navigational aid for aids to navigation. (No8)

TSMAD11/9.1 Additional attributes required for HRBFAC (See TSMAD11-9-1\_Netherlands\_AandB) Part A for inclusion in Registry – Part B for inclusion in Edition 4 ENC Prod Spec.