

## Paper for Consideration by TSMAD 26

### S-64 3.0.0 Progress

<b>Submitted by:</b>	UK
<b>Executive Summary:</b>	This paper updates TSMAD on the delivery of S-64 3.0.0.
<b>Related Documents:</b>	a) TSMAD25 4.9.1 b) TSMAD26/DIPWG5 12.2A
<b>Related Projects:</b>	1. S-52 Presentation Library 2. IEC 61174

#### Introduction / Background

1. TSMAD is currently revising S-64 to provide more comprehensive and robust test data to support ECDIS testing and type approval. A small group of industry experts led by the UK has been progressing this work and this paper reports on current progress.

#### Analysis/Discussion

2. An initial draft was submitted to TSMAD25 (reference a) including a terms of reference which outlined the plan for the work. Since TSMAD 25 sections have been assigned to volunteers for drafting and preparation of Test data. The current draft of S-52 Preslib 3.5 was provided to support this. The BSH and UKHO have provided their draft sections although the test data component remains to be complete. Draft datasets from Jeppesen and Furuno have been supplied (ref b)). Work remains to complete these sections and section 3.1 which features substantial expansion. The current draft contains an outline structure for this section. It was noted (in reference a)) that the contribution of experts and progress of S-52 Preslib 3.5 are dependencies for this task this continues to be the case and progress relies on approval of S-52 Presentation Library by DIPWG.

3. It should also be noted that the IEC TC 80 has begun work on the revision of IEC 61174 to which S-64 is closely tied. Coordination is achieved by the convener of the TC 80 task group also being a member of the S-64 expert group. There is a need to continue cooperation as both tasks progress. Specifically the intention is that IEC 61174 will include a generic reference to S-64 and the appendix E will be removed. S-64 will then be the sole location for detailed tests. This allows the IHO to expand and maintain tests which must be followed during type approval without changes to the IEC standard.

4. In order to achieve the required coordination the leader of the S-64 work has liaised with the TC80 task group convener. Draft text has been provided for IEC 61174 and a document will be used to record all the references to the new S-64 checks against the relevant IEC 61174 clauses. This will be completed when a complete S-64 draft document is available.

#### Conclusion

5. The ECDIS anomalies work highlighted S-64 as an important component in delivery consistent ECDIS which reflect IHO standards. This revision is progressing but it is unlikely that this work will not reach the target date of submission to HSSC5. This is primarily due to progress of related projects (1 & 2). Whatever the outcome S-52 presentation library 4.0 and S-64 3.0.0 must be submitted as a single package for approval. Given the priority of this work HSSC may wish to consider approval during 2014 but prior to HSSC6 in order to avoid further delay.

### **Action Required of TSMAD**

- Note the progress of this work and the likelihood that it will not meet its target completion for submission to HSSC5.
- Note the need for close and continued coordination with TC 80.
- Endorse the scope and changes presented in the draft and endorse completion of the documentation and test data by the group of expert contributors for submission to TSMAD 27