

## Paper for Consideration by TSMAD

### Development of S-64

|                           |   |
|---------------------------|---|
| <b>Submitted by:</b>      | UK  |
| <b>Executive Summary:</b> | This paper reports on the status of S-64 following HSSC 3 and sets out an approach to developing the standard as requested by HSSC. |
| <b>Related Documents:</b> | 1. S-64 Edition 2.0.0   |
| <b>Related Projects:</b>  | 1. S-52 Presentation Library Revision   |

#### Introduction / Background

1. At TSMAD 22 the UK presented a test dataset for ECDIS which evolved from its work to identify inconsistent display in some ECDIS systems. The UK took an action to prepare documentation to accompany this dataset and incorporate in a revised S-64 Edition 2.0.0. This was endorsed by the recent HSSC 3 meeting, however recognizing the need to provide more intelligent test data HSSC also posed the following task to TSMAD;

*“TSMAD tasked to investigate expanding the standard to improve its usefulness for both OEMs and type approval authorities.”*

#### Analysis/Discussion

2. S-64 is inextricably linked to the S-57 and S-52 standards it is therefore important to note that HSSC 3 also approved the DIPWG to produce a revised Presentation Library. Given the close links it is therefore suggested that any further version of S-64 (3.0.0) should coincide with the new presentation library and reflect changes in it.

3. Although TSMAD need to discuss ways to improve the standard in consultation with OEMs and type approval authorities the following elements might form part of a revised S-64;

- Document restructure to embed graphic plots within the tests, this would simplify the use of S-64
- Provide additional tests to address specific areas of ECDIS display and alarm functionality following the example of the isolated dangers test dataset

#### Conclusion

4. S-64 is an important standard for ENCs and the recent ECDIS inconsistencies identified highlight the importance of comprehensive testing. TSMAD has an opportunity to upgrade S-64 to enhance usability, address items not currently covered and therefore provide a more stable basis for S-101 development.

#### Action Required of TSMAD

- To discuss the action arising from HSSC 3 and form a small group including OEM and type approval representation to address this task