

**4<sup>th</sup> IHO-HSSC Meeting  
Taunton, UK, 25-28 September 2012**

**Report of DPSWG to HSSC4  
Data Protection and Security Working Group**

<b>Submitted by:</b>	Chairman, DPSWG
<b>Related Documents:</b>	IHO Circular Letter 59/2012 (4th Meeting of the HSSC), IHO S-63 Edition 1.1.1
<b>Related Projects:</b>	not applicable

<b>Chair:</b>	Jonathan Pritchard, UK
<b>Vice Chair:</b>	Vacant
<b>Secretary:</b>	Richard Coombes, UK
<b>Member States:</b>	<b>UK, Norway, France, Canada, Japan, Germany</b> (=5).
<b>Organisations:</b>	SevenCs, Kelvin Hughes, Raytheon, JRC, Transas, SAM Electronics, IIC

*See Annex A for full details of membership*

### 1. Meetings

None This year.

### 2. Election of Officers

As required by its terms of reference, DPSWG will need to appoint its chair and vice-chair at its first meeting after IH Conference. This will occur at the next DPSWG meeting.

### 3. Work Programme

The programme is based on the priorities assigned within the detailed Work Plan (Annex B refers). Since HSSC3, the principal activities have been:

#### Support to IHB for Administration of Data Protection Scheme

Members of the DPSWG have continued to support the activities of the IHB in their administration of the data protection Scheme. There have been many queries requiring guidance in the implementation of the scheme and many new OEMs joining this year. In order to accommodate the large numbers of OEMs wishing to implement S-63 the original numbering

scheme within the standard has been expanded. Instead of using hexadecimal numbers, alphanumeric codes have now been implemented which extends the usable address space up to approximately 700. Although this change to the numbering scheme required no work for OEMs or data servers to implement and imposed no other changes to the standard, it was felt an explanatory note was advisable within the standard and all OEMs and data servers have been informed of the change. A note in the standard itself has been created and published as S-63 edition 1.1.1, a minor revision.

#### Support to Scheme Participants on Migration to Latest Edition of S-63

In the last reporting period the questionnaire prepared in 2011 for scheme participants has been released and re-released. This questionnaire researches the extent to which the latest edition of the standard has been adopted amongst the scheme participants and was focused at data servers and ECDIS OEMs. A number of responses were received indicating that whilst there is good adoption of the scheme by ECDIS OEMs under the latest revision of the type approval regulations (which stipulate S-63 edition 1.1) there is still a number of legacy systems in the market which end users are using and the larger data servers are still using S-63 edition 1.0 in order to cater for those users.

#### Development of Plan and New Edition of S-63 to support S-100

As with the last reporting period no new edition of S-63 has been drafted. A discussion forum has been established to facilitate correspondence on a new group and it is hoped that use of that group will provide input for a future meeting on the subject. Stakeholders have been consulted through the last meeting and it is now the responsibility of the group to draft and propose future mechanisms for data protection. A key component of this will be engagement with the OEM community over appropriate controls and a wider membership and more promotion of DPSWG's activities would be beneficial in getting this work done. TSMAD have progressed significantly with S-101 and test beds for creation of data means that DPSWG should be looking to demonstrate its new concepts over the next reporting period with real data.

### **4. Problems Encountered**

- 4.1 **Participation and resources of member states.** Interest and participation from member states is at a low level within DPSWG but input from ECDIS manufacturers remains high reflecting the importance of the standard amongst the community. The retirement of Richard Coombes this year is a blow to the group – Richard drafted edition 1.1 of S-63 and, as secretary, had contributed much experience and knowledge both to the running of DPSWG and the ongoing maintenance of the data protection scheme.
- 4.2 The interface with the user. The difficulties with migration to the latest edition of the standard is a reminder that IHO does not control the revision of ECDIS systems or their updating. The number of existing systems still dependent on S-63 edition 1.0 demonstrates the long-term nature of the standard's applicability and the challenges inherent in its development.

### **5. Any Other Items of Note**

- 5.1 The number of OEMs currently stands at 216. At the last HSSC, membership was 188.

### **6. Conclusions and Recommended Actions**

- 6.1 HSSC4 is invited to endorse the continued activity of DPSWG under its current Terms of Reference.
- 6.2 HSSC4 is invited to approve DPSWG's Work Plan as submitted at Annex B, focusing the next 12 months activity both on informing the migration of its participants to edition 1.1.1 of the standard and drafting a new edition for discussion amongst participants.
- 6.3 Following any direction or guidance from HSSC4, this work plan will be subject to further review and revision at the next DPSWG meeting.

## **7. Justification and Impacts**

- 7.1 Justification for the continued activity of DPSWG is to fulfil the remit of its Terms of Reference .
- 7.2 The principal impact is the resource commitments of participating HOs.

## **8. Action Required of HSSC**

The HSSC is invited to:

- Note this report;
- Endorse the continued activity of DPSWG;
- Approve the Work Plan at Annex B.

## **Annexes:**

- A. Membership of DPSWG (at 17 July 2012)
- B. DPSWG Work Plan

**ANNEX A**

**MEMBERSHIP OF DPSWG**

*(latest update 17 July 2012)*

<b>Member State</b>	<b>Name</b>	<b>Email</b>

## ANNEX B

# IHO Data Protection Scheme Working Group (DPSWG)

## Proposed Work Plan 2011-2012

### Work Plan 2011-12

- A Provide technical and operational support to Data Servers and OEMs developing or operating systems or services compliant with S-63.
- B Produce new edition of S-63 to complement S-101

Task	Work item	Priority *	Milestones	Start Date	Status **	Contact Person(s)	Affected Pubs/Standard
A.1	Provide S-63 technical and operational support to Data Servers and OEMs	H	Ongoing	01.08.03	O	DPSWG members	S-63 edition 1.0/1.1
B.2	Develop a more detailed work plan for future standards relating to Data Protection and Security of ENC data.	H	Ongoing	01.10.08	C	DPSWG members	S-63, S-101
B.1	Engage stakeholders in drafting of new edition of S-63 to support S-101 development	H	Ongoing	1.9.10	O	DPSWG members	S-63, S-101

## Meetings

Date	Location	Activity
24-25 Nov. 2003	IHB, Monaco	DPSWG 3
22-23 June 2004	IHB, Monaco	DPSWG 4
31 Aug - 1 Sept 2006	IHB, Monaco	DPSWG 5
28-30 May 2007	IHB, Monaco	DPSWG 6
31st March – 1st April 2009	IHB Monaco	DPSWG 7
13th -14th February 2011	IHB Monaco	DPSWG 8

