

20th CHRIS MEETING
Niterói, RJ, Brazil, 3-7 November 2008

Paper for Consideration by CHRIS-20

Report of the Data Protection Scheme Working Group (DPSWG)

<i>Submitted by:</i>	Jonathan Pritchard, UKHO, Chair
<i>Executive Summary:</i>	This report describes the activities of the DPSWG during the past year.
<i>Related Documents:</i>	None
<i>Related Projects:</i>	None

Meetings Held During Reporting Period

None held.

Date and Venue for Next Meeting

Meeting proposed for early 2009.

Work Program

CHRIS-19 endorsed a minor revision (but significant re-structuring) of the S-63 standard as prepared by DPSWG. This new version was subsequently adopted by IHO as a result of CL 113/2007 and published in March 2008 as S-63 edition 1.1 (CL 36/2008 refers). Much of the effort of DPSWG during this year has been spent in preparation of a comprehensive test data set to support testing for the correct implementation of S-63 during ECDIS Type Approval (as required by the revised ECDIS Performance Standards). This test data will soon be published as part of the IHO S-64 (the reference test data set for IEC61174 test standard for ECDIS). DPSWG members have worked closely with the IEC61174 revision group and the body text for edition 3 has been finalised. In addition, provision of a comprehensive and well explained S-63 TDS, to be published as part of S-63, will help to ensure a consistent approach to the loading and management of ENC's from multiple sources when loaded on ECDIS and will therefore reduce considerably the variations in ECDIS behaviour due to inconsistent interpretations of S-63.

It is expected that implementation of the new version of the S-63 standard will generate queries from equipment manufacturers and these will likely peak in the year following publication of IEC61174 edition 3. There are also likely to be some queries from Data Servers who will be keen to ensure full compliance with the standard. To that end it is proposed that the DPSWG continues its role as technical support to IHB to enable speedy and helpful responses to industry queries. Additionally it is proposed that DPSWG hold a meeting early in 2009 to evaluate progress towards adoption of S-63 ed1.1. It is hoped that a clear and simple migration path minimising work for ECDIS manufacturers and Data Servers can be defined and achieved over the next reporting period.

DPSWG members were present at the IHO for the S-100 Stakeholders Workshop early in 2008 and are conscious of the need to consider data protection as a part of the development of S-101. Distribution issues and the limitations of the existing S-63 standard were discussed widely in the workshop and it would seem appropriate for DPSWG to give early

consideration to the need for revised or new standards. DPSWG members have a large amount of experience in the areas of data protection, ENC distribution and stakeholder interest and this can be used to determine best practice to and to guide work on future standards. A more detailed work item in this respect will be defined at the proposed DPSWG meeting early in 2009 and further discussion will be carried on by correspondence.

The DPSWG therefore proposes to CHRIS the following work programme for 2008-2009:

- Work with IHB to finalize the production of S-64 and the maintenance document for S-63.
- Finalise input to IEC61174 Test Dataset
- Provide support to users of the S-63 Protection Scheme through IHB consultation
- Initiate discussions within DPSWG on the need for and form of future generation data protection schemes to support S-100/S-101 based products..

IHO S-63 Implementation Status

There are currently 108 OEMs registered by IHB (as scheme Administrator) as having developed or are in the process of developing support for S-63.

There are currently 14 Data Servers registered by IHB (organisations with functionality to protect ENCs) as users of the scheme or is in the process of developing support for the protection scheme.

Actions Required of CHRIS

The CHRIS is invited to:

1. Note the content of this report
2. Approve the work programme proposed:
 - a. to monitor adoption of S-63 edition 1.1 by OEMs and Data Servers and to respond to industry queries.
 - b. to continue the work of maintaining S-63 edition 1.1.
 - c. to consider the need for revision of S-63 (or the creation of a new standard) in respect of the development of the S-100 Standards and the S-101 ENC Product Specification.

IHO Data Protection Scheme Working Group (DPSWG)

Proposed Work Plan 2008-09

1 Work Plan 2008-09

1.1 DPSWG Tasks

- A Prepare S-63 edition 1.1 to provide a more precise description for a compliant implementation of the data protection scheme.
- B Provide technical and operational support to Data Servers and OEMs developing or operating systems or services compliant with S-63.

Task	Work item	Priority *	Milestones	Start Date	End Date	Status **	Contact Person(s)	Affected Pubs/Standard
A.1	Prepare S-63 edition 1.1	H	Complete	01.09.06	01.11.07	C	Richard Coombes / Jonathan Pritchard, UKHO	S-63 edition 1.0
A.2	Prepare a comprehensive test data set for edition 1.1 including full support for a multi supplier environment.	H	Ongoing. S64 complete Iec61174 input ongoing	01.09.06	15.12.07	O	Robert Sandvik, Primar	S-63 edition 1.0
A.3	Provision of S-63 edition 1.1 to IHB for publication.	H	Completed	15.12.07	01.01.08	C	Robert Sandvik, Primar	S-63 edition 1.0
B.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 work plan for future standards relating to Data Protection and Security of ENC data.	H	Planned	01.10.08		P	Jonathan Pritchard, UKHO	S-63, S101

* H = High, M = Medium, L = Low

** P = Planned, O = Ongoing, C = Completed

1.2 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

**IHO Data Protection Scheme Working Group (DPSWG)
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