

13th CHRIS MEETING
17-19 September 2001, Athens, Greece

ENC SECURITY SCHEMES
(Neil Guy, IHB)

The final results of the voting of IHO Member States on the introduction of an IHO Recommended Security Scheme were advised in CL 15/2001/rev.1 (CHRIS/13/8A - Attachment IV). It was apparent that while the Member States were almost unanimous in their need for their data to be protected by a security scheme and that there should only be one scheme. The response to the adoption of the PRIMAR Scheme was less decisive. There was a majority in favour but the overall responses were less than for the other two questions. The meeting recommended that the IHB postpone the decision on the introduction of an IHO Security Scheme for one year.

CIRM have, on behalf of it's industry members, formally requested that the IHO adopts a single security scheme as a matter of priority and recommended that the PRIMAR Security Scheme be the scheme adopted. (CHRIS/13/8B).

The matter was one of the issues discussed at the IHO-Industry Workshop which was held at the IHB in Monaco on 28-29 June 2001. After much discussion it was agreed that there were two reasons why a security system should be introduced.

- 1) To ensure the integrity of the data up to the point were it was used by the mariner;
- 2) To protect the copyright and the intellectual property rights of the data owners.

The Workshop felt that the primary responsibility of the IHO was to ensure the integrity of the data and unanimously agreed that the use of the PRIMAR Digital Signature would address this problem. A description of the PRIMAR Security Scheme is provided (CHRIS13/8E).

Much discussion ensued over whether the PRIMAR Security Scheme would be acceptable to the industry representatives present at the Workshop and it was agreed that as no recommendation could be made, that this would be left.

The IHB has been advised that the following Member States are utilising the PRIMAR Security Scheme:

Belgium
Denmark
Finland
France
Germany
Netherlands
Norway
Spain
Poland
Portugal
Sweden

United Kingdom

Also, it is possible that the Russian Federation will utilize the scheme via Transas.

In addition the following have adopted the existing PRIMAR Security Scheme as part of their ECDIS/ECS systems

ECDIS	ASPO(Navintra), Furuno Kelvin Hughes Litton Atlas(SM) Transas SIS
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ECS	Maris (being type-approved) Raytheon Simex Tresco Poonghan
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It is also understood that the 7C's Kernel incorporates the PRIMAR Security Scheme.

The IHB has been advised that PRIMAR will consider any constructive proposals to achieve the universal acceptance of their scheme and will undertake the agreed amendments to ensure this.

Any proposed amendments should not prevent the IHO from adopting, in principle, the PRIMAR Security Scheme as the IHO Recommended Security Scheme, as the IHB feels that it has the mandate to do so in accordance with the responses to CL38 /2000.
