4ᵗʰ HSSC MEETING
Taunton, UK
25-28 September 2012

Paper for Consideration by HSSC

CIRM ACTIVITIES AFFECTING HSSC

Submitted by:	CIRM
Executive Summary:	This paper summarizes recent discussions and decisions taken by CIRM that may be relevant to the work of HSSC.
Related Documents:	None

Introduction

CIRM is an industry group that supports manufacturers, service providers and other members in promoting safety of navigation by working on the framework and standards necessary and achievable in this environment. To do so CIRM, besides internal collaboration, supports the work of competent organizations like IHO, IMO, IALA, IEC and others.

Collaboration on e-Navigation

CIRM is promoting the overarching e-Navigation architecture, which is built on three aspects:
- Shore based infrastructure
- Communication between shore and ship
- Ship side infrastructure

In this scenario CIRM supports the work of IHO on the ship side as well as IALAs activities on shore based infrastructure. This is done by facilitating expert contribution as well as consolidating the view of CIRM members for easier work of the different groups dealing with this topic.

CIRM is collaborating with teams working on AIS AtoNs, especially Virtual AtoNs. It is important for CIRM to highlight the areas of concern, like bandwidth limitations and rendering issues. CIRM is working with the IMO AIS AtoN CG, but is also willing to participate and contribute to the discussion in IHO as much as that is seen beneficial by the committees.

CIRM is also working with organizations like IMO and Nautical Institute on aspects like INS and human centric design of future e-Navigation. Besides the WG and CG on this topic it is also being addressed in various workshops, which CIRM is happy to support either directly or through their members.

Development on standards

CIRM is working in different groups to support the standards needed to enable safe and efficient navigation. A main focus is IEC, specifically TC80. Following highlights are noteworthy:
- IEC 62288 for Navigational related displays had a successful CD stage and is being prepared for public voting early next year.
- IEC 62388- Radar has also been reviewed and is out for voting.
- IEC 61993-2 – AIS class A revision has finally finished its voting phase and is about to be published

Other CIRM Development

CIRM has developed a database, accessible by members only, which contains information about all relevant standards. This database is kept up to date by the secretariat of CIRM and contains links to the standards to allow easy access.

CIRM is continuously supporting the development of ECDIS and as such is participating in activities on ECDIS Anomalies. As a result of the discussions in IMO following action items have been agreed:

- CIRM will support the establishment of a page on the IHO web site linking to latest software releases of ECDIs manufacturers. This will help the respective people to easily access the latest software releases for their respective ECDIS.
- CIRM is contributing to the development of a software updating paradigm. This includes the support of CIRM of annual ECDIS inspections. The intention here is to ensure installed ECDIS are kept up to date with the newest standards, especially the newest IHO ENC standards.
- CIRM participates and supports the review of the Type Approval Regime. E-Navigation and S-100 implementation will require a more dynamic approach to type approval to support the rapid development and innovation in INS and ECDIS.

Action Required by HSSC:

HSSC is invited to note the report