

**19<sup>th</sup> CHRIS MEETING**  
**Rotterdam, Netherlands, 5-9 November 2007**

**Paper for Consideration by CHRIS**

**Report on IEC-TC80-WG7 Activities Affecting CHRIS**

<b>Submitted by:</b>	USA (NOAA)
<b>Executive Summary:</b>	A new edition of IEC 61174 is being prepared.
<b>Related Documents:</b>	None
<b>Related Projects:</b>	None

### Introduction

This new edition of IEC 61174 incorporates revisions to the performance standards for ECDIS adopted by the IMO as resolution MSC.232(82) in December 2006. The test methods have been updated accordingly and new tests added for encrypted ENC data. The revised IMO performance standards will apply to ECDIS installed on or after 1 January 2009.

### Analysis/Discussion

A revision of 61174 (Ed.3) is underway to standardize test methods for the new ECDIS requirements in MSC232(82) - effective 1 January 2009 and MSC191(79) - effective 1 July 2008. Type approval tests to these new IMO PS's will be necessary. Recognizing that a very large number of manufacturers are affected and the limited capacity of test houses, CIRM pointed out that a stable test standard is urgently needed by January 2008 (61174\_FDIS, 62288\_FDIS, and IHO S-63) and that mandatory IEC timelines precluded a WG effort.

The 61174 maintenance task is minimal: (a) Restrict the scope of revision to address the two MSC resolutions. (b) Clarify what's new versus what's unchanged by keeping the current structure, section numbering, and adding a cross-reference table. (c) work from the CIRM draft input to TC80, and (d) engage a small team (CIRM/WG7) to review and complete a CDV to submit IEC Geneva with a maintenance report in July.

In May, a draft Ed3 from CIRM's working group was submitted to TC80 following the above terms. Some work remained to make text in the Backup and RNC Annexes agree with changes made in the body. Since TC80 Plenary, a few editorial comments were submitted and points raised re IHO S-63 encryption, IHO M-3/TR3.11 SENC distribution and IHO's continuing work.

The 62288CDV is complete and will be submitted together with 61174CDV to IEC Geneva, since they cross-reference these documents. The CDV period requires 5 months; running July-November (or September-January depending on time for approval of a new work item to continue the 62288 project). Time to convene WG13 and the 61174 team to resolve CDV comments could go to January/February.

The test methods have been updated and new tests added for encrypted ENC data. The revised IMO performance standards refer to performance standards for displays adopted by IMO as resolution MSC.191(79) and these have been incorporated. Six new annexes have been added. IMO changed the order of the performance standards in MSC.232(82) compared with the previous standards in resolution A.817(19). A cross reference of clause numbering is provided in an Annex.

This third edition of IEC 61174 will cancel and replace the second edition published in 2001, of which it constitutes a technical revision. IEC has circulated the committee draft for voting (CDV), with votes and

comments due 11 Jan 08. IEC will then take the comments received, prepare the final draft, and send it out for voting one last time, no further comments allowed. It is estimated that the final draft should be available in March/April 2008, with votes due early summer. It should then be published and publicly available sometime mid-late summer 2008

**Conclusions**

None.

**Recommendations**

None.

**Justification and Impacts**

N/A

**Action Required of CHRIS**

CHRIS members are invited to participate in the comment period through their national committees. Copies of the CDV are available through members' IEC representative.