

12th CHRIS MEETING
Valparaiso, Chile, 23-25 October 2000

**SUMMARY OF RTCM ACTIVITIES TO DEVELOP
PERFORMANCE STANDARDS FOR
ELECTRONIC CHART SYSTEMS (ECS)**

(by Frederik Ganjon, Chairman RTCM SC-109)

RTCM Special Committee 109 on Electronic Charts (SC-109) was established in June, 1986, with Mr. Mortimer Rogoff as Chairman. Since that time, SC-109 has made significant contributions to the development of international standards for electronic charts, including the IMO Performance Standards for ECDIS as well as IHO S-52. SC-109 continues to provide an effective forum where government agencies and private industry can come together to work on electronic chart technology issues of mutual interest. Mr. Frederick Ganjon has served as Chairman since 1997.

Recognizing the extensive use of Electronic Chart Systems (ECS) by numerous classes of ships, RTCM SC-109 developed RTCM Recommended Minimum Standards For Electronic Chart Systems (ECS), Version 1.0, which was published in December, 1994 as RTCM PAPER 136-94/SC109-STD. That document was updated by RTCM SC-109 and published as a Version 1.1 as RTCM PAPER 58-99/SC109-STD in July of 1999. Both the Version 1.0 and the Version 1.1 Recommended Minimum Standards documents were limited in scope to performance requirements.

Subsequently RTCM SC-109 developed tests and test standards for the requirements delineated in the Version 1.1 document. This new document incorporating both performance and testing requirements has been approved and will be published shortly as RTCM Recommended Minimum Standards for Electronic Chart Systems (ECS), Version 2.0.

RTCM has now begun work on an updated Future Version 2.1 of the RTCM Recommended Minimum Standards For Electronic Chart Systems (ECS) which will provide performance and related testing requirements for three "classes" of Electronic Chart Systems based on anticipated types of vessel application. The First Committee Draft of the Future Version 2.1 Standard has been distributed to the SC-109 members for review and comment, and the next draft, incorporating comments received, will be considered at the SC-109 meeting in January 2001.

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