

**7<sup>TH</sup> MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE  
Busan, Republic of Korea, 10-13 November 2015**

**Paper for Consideration by HSSC**

**Requirements relating to sector lights for Electronic Navigational Chart (ENC)  
Product Specifications  
(Abstract)**

**Submitted by:** Norwegian Coastal Administration - Maritime Safety Department

**Executive Summary:**

**Related Documents:**

**Related Projects:**

**Abstract**

A considerable number of sector lights provide navigational guidance in the Norwegian coastal waters, i.e. pilotage waters. The lights use current technology such as halogen incandescence lamps and light emitting diodes (LEDs), and are expected to remain a viable aid to navigation (AtoN) for the foreseeable future.

IHO S-4 Part B B-475 SECTOR LIGHTS AND OTHERS NOT VISIBLE ALL ROUND' gives instructions for the portrayal of sector lights in paper charts, hereunder:

*“Sector limits should cover the area where they are useful to mariners. They must not extend beyond the nominal range of a light. Very short sector arcs may be omitted.”*

It appears that the IHO S-52 *Electronic Navigational Chart Product Specification*, does not give comparable instructions. As a proper portrayal of the light sectors in an ECDIS will be to the advantage for the mariner, the ENC standards for sector lights should be enhanced.

The presentation is intended to call attention on this inconsistency, and argue that this should be addressed in the development of product specifications for S-100, hereunder IHO S-101 *ENC - Next Generation* and IALA S-201 *Aid to Navigation Information*.