## Developing new Standards of Competence for Hydrographers and Cartographers for 2020

## Gordon JOHNSTON(UK), Alberto Costa NEVES(Monaco)

Key words: Capacity building, Cartography, Education, Hydrography, Standards

## **SUMMARY**

Hydrographic industry expectations and demands for education and training and the achievement and maintenance of core and new competencies are changing apace. Whilst the developed regions may recognise the need for this education and can introduce within a naval or academic training environment it is not so easy to set these requirements for the underdeveloped and developing regions that are still developing an appreciation of the offshore marine areas. The accepted international minimum competency standards for hydrographic surveyors and nautical cartographers have served industry well, but are presently under review against these changed expectations. A wider target group now exists and Industry participation will be critical as the standards deal with and address the changes, ever mindful of the need for effective delivery of education and training across the wider community and this must now also take account of the newer areas and developing regions and establish flexible, consistent and robust standards.

1/1