Developing New Standards of Competence for Hydrographic Surveyors and Nautical Cartographers Alberto Costa Neves (Monaco), Gordon Johnston(UK) 8th May 2013 FIG Working Week "Environment for Sustainability" ABUJA, Nigeria



The FIG/IHO/ICA International Board

- There are 10 members of the <u>International Board for the Standards of Competence of Hydrographic Surveyors and Nautical Cartographers</u> "the Board"
- The Board represents the 3 sponsoring organisations, FIG, IHO and ICA of which 4 are each from IHO and FIG and 2 from ICA.
- Members are from civil, governmental, and educational sectors and have a wide spectrum of knowledge and experience in education, hydrography, and nautical cartography.
- The members are from different geographical areas.
- The Board meets annually.



The Work of the Board

- Establish and maintain the <u>minimum</u> standards of competence described in S-5 and S-8.
- Maintain publications (S-5, S-8, S-6, S-47)
- Review syllabi and provide advice on syllabi at the Category A or B level
- Review procedures on submission of syllabi
- Review ongoing Competency Assessment Schemes
- Inform the sponsoring organisations of its work.

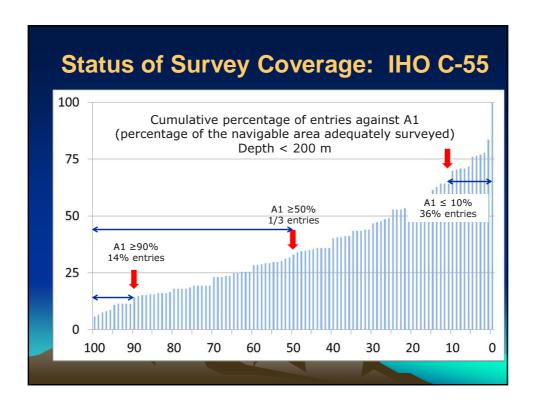


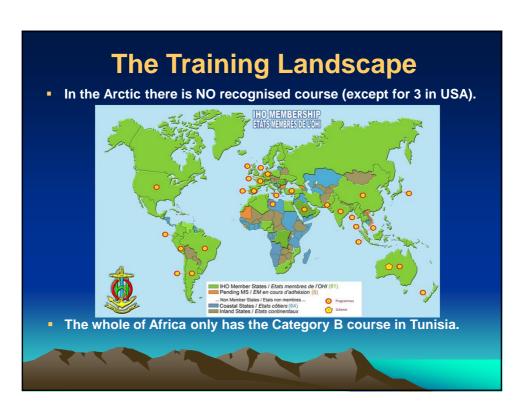




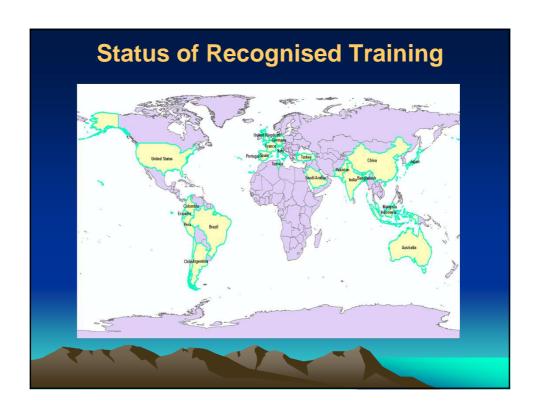
The Standards of Competence The Standards S-5 & S-8 are aimed at ensuring academic or training courses produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic or training courses produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-5 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-6 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-8 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-8 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-8 & S-8 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-8 & S-8 & S-8 & S-8 are aimed at ensuring academic of training produce suitably qualified individuals. It comprises of: Standards S-8 & S-8 & S-8 & S-8 & S-8 & S-8

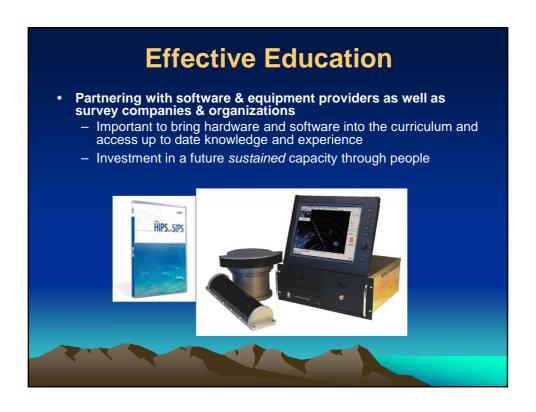






What are the developments? The Board wishes to develop the Standards...... We have started a significant update of the S-5 and S-8 Standards with the revision aiming for major new editions in 2013-14. The creation of a separate Category A and B syllabus. Modules rather than courses. Learning methods and techniques. Learning outcomes updated: "Constructive alignment". The work to develop new Standards will involve consultation with industry and our sponsor organisations to progress appropriate Standards.





In Conclusion

- I wish to acknowledge the support of IHO, FIG & ICA.
- The Standards now include systems to recognise the programmes that assess the competency of Individuals. We need more of these.
- New Standards shall be developed in consultation
- You are invited to contribute especially with regard to new learning methods and the trend for modules.
- Many parts of the world still lack access to qualified surveyors so the work of the Board must continue.



