

## IAMU Model Course on Training in the Operational Use of the Electronic Chart Display and Information System (ECDIS)

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The major role of the navigational department of IAMU member universities is to provide their students with effective and highly leveled maritime education and training. Standing at this point of view, the Author would like to consider in the project the effective training methods for navigators in compliance with STCW'95 convention and the set of IMO model courses. In addition, he would like to consider additional training programs, which aim at higher competencies than the minimum requirements for the competencies shown in the STCW.

The International Maritime Organization published in 2000 *IMO Model Course 1.27: The Operational Use of the Electronic Chart Display and Information System (ECDIS)*. In the Author opinion this model course program could be arranged on higher level.

In the project new approach to the maritime education and training MET in the field of ECDIS is the subject of research. In an Author opinion IAMU should to consider and make a decision to start forward with IAMU Model Courses on higher (academic) level than STCW convention which seems to be minimum of minimum only.

IAMU model course on training in the operational use of the Electronic Chart Display and Information System (ECDIS) as a sample is the first on the long list of IAMU model courses to be elaborated.

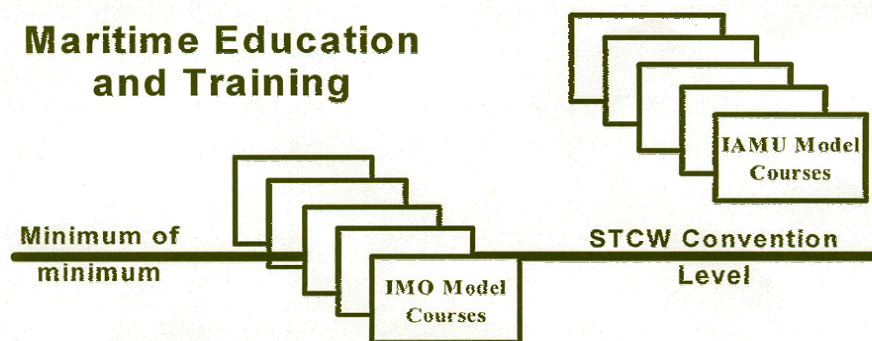


Fig. 1. IAMU Model Courses on higher (academic) level than STCW convention

The main objective of the IAMU Working Group III is to promote the global maritime excellence. WG-III is directed toward the establishment of the global standardization of the maritime education system. To achieve this purpose, the academic discussions should be carried out regarding with the improvement of the existing education and certification system. To initiate the newly developed international system IAMU members should analyse and assess existing

education systems offered by maritime universities/faculties, including proposed model courses. Research is based on the results of Polish Working Group on ECDIS. The Author would like to present GMU model course on training in the operational use of the Electronic Chart Display and Information System (ECDIS) based on simulators. He is the head of electronic chart and ECDIS laboratory in Navigational Department at Gdynia Maritime University, with 18 years experience in the field of electronic charts.

The IMO's Sub-Committee on Standards of Training and Watchkeeping at its thirty-second session (200 I) developed *Interim Guidance on Training and Assessment in the Operational Use of the Electronic Chart Display and Information System (ECDIS) Simulators*. The Author was the father of this document. He was the chairman of Polish Working Group which prepared document submitted to IMO forum. Next he was the chairman of STW Sub-Committee Drafting Group on Development of Guidance, which reviewed Polish document taking into account of discussions in the plenary session. The drafting group elaborated document STW 32/WP.7, which was approved at the plenary. The Maritime Safety Committee, at its seventy-fourth session approved this interim guidance.

In the project the Author presents his point of view on simulation and technology in maritime education and training and the methods of maritime pedagogy, especially in the electronic chart systems field to be adopted by the IAMU member universities/faculties.