

BITS IN THE HORIZON

STCW EDUCATION COMMITTEE IN FINLAND

21.8.2018 HELSINKI

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STCW EDUCATION COMMITTEE IN FINLAND

Members:

- ❖ Aboa Mare, Novia UAS and Axxell Vocational Institute
- ❖ SAMK, Satakunta UAS
- ❖ XAMK, South-Eastern Finland UAS
- ❖ Åland UAS and Vocational level
- ❖ WINNOVA, Vocational level in Rauma
- ❖ EKAMI, Vocational level in Kotka
- ❖ Naval Academy in the Finnish Navy
- ❖ The Finnish Border and Coast Guard Academy
- ❖ Meriturva Maritime Safety Training Centre
- ❖ Åland Maritime Safety Center

Observer organisations:

- ❖ Trafi, Finnish Transport Safety Agency
- ❖ OPH, The National Agency for Education
- ❖ Education Department in Åland Governement

PRESENT SITUATION

University of Applied Sciences education:


- ❖ Programmes of total 270 credits, 4,5 study-years
- ❖ 162 credits for theoretical and 108 credits for onboard training

Vocational level education:

- ❖ Programmes of 180 learning points, 3 study-years
- ❖ Includes 1 year of onboard training

WHAT IS NEEDED

Examples of different subjects:

- ❖ Information and Communication technology
 - ❖ Automation
 - ❖ Artificial Intelligence
 - ❖ Machine Learning
 - ❖ Human –Machine Interaction
 - ❖ Remote operations
 - ❖ Cyber security and Connectivity
 - ❖ Autonomous vessels- automation
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WHAT TO DO?

Long term solution:

- ❖ Renewal of STCW

Short term solution:

- ❖ Part of the onboard training to be extracted from the study programmes
- ❖ Research of how the work onboard is changing for the crew
- ❖ Development of new curriculums for the education of key maritime professionals