ACTIVITY 4.1 - COMMON MODULES AND MUTUAL RECOGNITION OF CREDITS  
  
  
INTERNATIONAL MODULE n. 1

**Title “The Maritime navigation”**

**ORGANISATIONS INVOLVED IN THE DEVELOPMENT OF THE MODULE**

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| **ORGANISATION 1** |
| TYPE OF ORGANISATION[[1]](#footnote-1) School |
| COUNTRY Italy |
| NAME OF THE ORGANISATION ISIS Brignoli-Einaudi-Marconi |
| ADDRESS Gradisca d’Isonzo via Roma n 7 (GO) Italy |
| EMAIL [marco.fragiacomo@goiss.it](mailto:marco.fragiacomo@goiss.it) |
| WEBSITE <http://bem.goiss.it/> |

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| **ORGANISATION 2** |
| TYPE OF ORGANISATION[[2]](#footnote-2) |
| COUNTRY |
| NAME OF THE ORGANISATION |
| ADDRESS |
| EMAIL |
| WEBSITE |

**DESCRIPTION OF THE MODULE**

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| **Title** | **The Maritime Navigation** |
| **Reference Qualification** | STCW Convention e STCW Code (part A) 2010 Manila amendments. A-II/1  of the STCW Code |
| **EQF level** | 4 |
| **Learning outcomes: KNOWLEDGE** | At the end of the module/unit the learner will have been exposed to the following:  1**.**1 knowledge of the general problems of maritime navigation  1.2 knowledge of the main methods of traditional navigation  1.3 knowledge of the main tools of traditional navigation  1.4 knowledge of the main concepts of science of navigation  1.5 knowledge of the basic safety prescriptions on board  2.1 knowledge of the main system of integrated navigation  2.2 knowledge of the main methods and tools of maritime radio communication  2.3 knowledge of the principles of operation of the GPS system |
| **Learning outcomes: KEY COMPETENCIES**  **According to**  **The ECVET**  **Manual**  **Principles (EU**  **Rec. 2018/C/189/01** | at the end of the module the learner will have mastered the following skills:  2.1 **Applying knowledge and understanding**  The learner will be able to:  - determine the position at sea of the ship  - knowledge of the various methods for determining the position at sea of the ship  - knowledge of the various systems that allow the determination of the position at sea and use of the devices  - capacity to formulate a routine communication  - knowledge of main IMO regulations for maritime navigation  - knowledge of the various methods of modern navigation  - basic knowledge of astronomical navigation and use of a nautical chart  - ability in distinguishing and identifying various ship’s papers  2.2 **Communication skills**  The learner will be able to:  - interact in Foreign language  - Describe the relevance of communication  - communicate information effectively and correctly using the radio devices  2.3 **Judgmental skills**  The learner will be able to:  - gain confidence in adopting navigation methods  - adopt main safety prescriptions on board  - evaluate own learning |
| **Teaching methodology** | Classroom activity/Study visits/seminars/work on documents/discussion/evaluation and self-evaluation |
| **Organisation**  **of the module** | 38 hours duration, of which:  1.- General framework/Scenario analysis: Classroom activity (10h)  2.- Study visits (8h) on board the modern ship and/or in the shipyard  3.- Study visits (4h) bridge simulation plants  4.- Classroom activity or seminar (4h) integrated navigation and GPS system  5.- Radio laboratory (4h) on communication  6.- Naval laboratory (4h)  7.- Classroom activity (4h) evaluation and self-evaluation. |
| **Laboratory/ equipment requirements** | Bridge simulator  Maps  Radio laboratory  Naval laboratory |
| **EU Key competences reference** | Multilingual competence.  Working and discussing in groups  (2018 RECOMMENDATION 2018/C 189/01) |
| **Transnational added value** | Knowledge of the maritime systems, operability and traditions of other countries |

**VALIDATION AND RECOGNITION OF THE MODULE**

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| **Reference to regional, national or international competence frameworks** | Key competencies have been defined by European Commission (ref. Council Recommendation of 22 May 2018 on key competences for lifelong learning, ST/9009/2018/INIT).  Skills have been identified referring to the "Manual for the Conversion of qualifications into the ECVET System" |
| **Evaluation procedure** | Evaluation of the digital presentations prepared by each work group.  Indicators to be considered:   * correctness and appropriateness in the use of the English language (25%) * deepening and correctness of the contents (25%) * correct use of office automation suite (digital presentation editor and spreadsheet) (20%)   personal interpretations and considerations of collected data (30%) |
| **Recognition of credits** | According to actual rules, 1 ECVET credit can be recognised.  Other educational or training credits can be recognised according to national rules (e.g., in Italy the module can be recognised within the "school-work alternation" (work-related learning) system and within the educational credits for high school diploma examinations |

1. School, VET agency. ecc. [↑](#footnote-ref-1)
2. School, VET agency. ecc. [↑](#footnote-ref-2)