

LoD 11 - Naval Education and Training



European Security
and Defence College



71st IG Meeting, Brussels, Belgium

LoD 11 – participant BOEI

- Romanian Naval Academy, **Romania (2)**;
- Polish Naval Academy, **Poland (1)**
- Norwegian Naval Academy, **Norway (1)**
- Hellenic Naval Academy, **Greece (3)**;
- Italian Naval Academy, **Italy (1)**;
- Portuguese Naval Academy, **Portugal (1)**
- Ministry of Defence, **Portugal (1)**
- Spanish Naval Academy, **Spain (2)**
- French Naval Academy, **France (1)**;
- Latvian National Defence Academy, **Latvia (2)**;
- Lithuanian Maritime Academy, **Lithuania (1)**;
- Royal Military Academy, **Belgium (1)**;
- Joint Training and Education Centre, **Ireland (1)**;

- 13 partner institutions
- 18 participants



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LoD 11 – discussions/topics/debates

➤ EUMACS conclusions on NET – way ahead, proposals;

➤ The modules conducted in summer **2025-2026**;

➤ The partners' offer for the upcoming modules in fall **2026-2027**;

➤ The INS curriculum updates – discussions on Marines program

➤ Future projects/initiatives for 2026-2027 – NAVY-TRAIN initiative

➤ Other proposal

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EUMACS - Tasks and prospect ideas for NET in 2027!

- **Develop a curriculum frame for Marines** (integrated with INS)
- **Develop a new project – Strategic partnership for Navy training**
- **Develop new common modules: USVs in maritime operations;**
- **AI applications in Naval Operations – decision making platforms;**
- **Naval warfare update – New doctrines/technologies;**
- **Preparing the new leaders: Augmented Leadership - HMI impact;**
- **Develop join events –scientific events, research fairs.**



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Tasks and prospect ideas for Naval Education and Training in 2027!

New common modules to be considered under NET framework:

- USV in Naval Operations;
- AI applications in Naval Operations (AI decision making platforms);
- Augmented Leadership in Naval Operations (incl. HMI);
- Modern Naval Warfare Technologies;
- Wargaming Simulators – War Algorithms.



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Training modules/events conducted during Summer 2025-2026:

- **Cybersecurity (Summer Camp)** – Bulgarian Naval Academy (Bulgaria, 29.06-03.07.2026) - *BIP*;
- **Seamanship (Summer Camp)** – Romanian Naval Academy (Romania, 22.06-26.06.2026) - *BIP*;
- **Seamanship (Summer Camp)** – Bulgarian Naval Academy (Bulgaria, 05.07-12.07.2026);
- **Training Stage at Sea** – Portuguese Naval Academy (10.05-15.08.2026);
- **Training Stage at Sea** – Hellenic Naval Academy (15.07-31.08.2026);
- **Training Stage at Sea** – Romanian Naval Academy (15.04-16.09.2026) – **20 international students, standardized syllabuses/seafarers booklet, certificates, seaservice;**



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Training modules/events planned to be conducted during fall 2026-2027:

- **International Naval Semester** – INA/RNA/NVNA (fall semester 2026-2027);
- **Maritime Security** – Dr. Franjo Tuđman Defense and Security University (Croatia, 20-26.09.26) - *BIP*;
- **Human-Centered Design for Critical Environments** – Bulgarian Naval Academy (Varna, 12-16.10.26) - *BIP*;
- **AI in the Sky** – Bulgarian Naval Academy (Varna, 19-23.10.26) - *BIP*;
- **Power Plants** – Romanian Naval Academy (Constanta, 02-06.11.26) - *BIP*;
- **Ship Handling (Simulators)** – Romanian Naval Academy (Constanta, 16-20.11.26) - *BIP*;
- **International Marine Training Week** – Spanish Naval Academy (Marin, 04-16.11.26);
- **International Naval Training Week** – Spanish Naval Academy (Marin, 08-16.11.26);
- **Naval Leadership** – Hellenic Naval Academy (Piraeus, 08-14.11.26) – *BIP*;
- **CSDP** – Polish Naval Academy (Gdynia, 16-20.11.26) – *BIP*;
- **RIO 26** – Portuguese Naval Academy (Portugal, 16-20.11.26);
- **Counter- Terrorism and Prevention of Violent Extremism** – Polish Naval Academy (Gdynia, 23-27.11.26) – *BIP*;
- **CSDP** – Spanish Naval Academy (Marin, 14-18.12.26);
- **CSDP** – French Naval Academy (Brest, 24-29.01.27).



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LoD 11 – curriculum updates to support the Marines study program

AMPHIBIOUS WARFARE

Content: Introduction in amphibious warfare; Evolution of a amphibious vectors; Ground and amphibious vehicles for marines operations;

2 ECTS, 50 Hours: 20 teaching hrs, 10 training hrs, 20 self-study

MARITIME FORCE PROTECTION

Content: Maritime force protection (definitions, legal framework, operations); Force protection and Rules of Engagement; Maritime Interdiction Operations (MIO)

2 ECTS, 50 Hours: 20 teaching hrs, 10 training hrs, 20 self-study

SEAMANSHIP IN SEASHORE OPERATIONS

Content: Rules and regulations; COLREG; Seamanship basics; Small boats manoeuvring; Rowing boats; RIBs manoeuvring; Sailing boats manoeuvring; Tugboats;

3 ECTS, 75 Hours: 25 teaching hrs, 25 training hrs, 25 self-study

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LoD 11 – Future projects for NET to be applied in **2027**

LoD 11 – Joint project to be reviewed and re-submitted (proposal under RNA guidance) :

- KA226 – ” European Navy Training Network for Improving the Training Curriculum valuing the Work-based Learning Tools and Smart Training Technologies” – ”NAVY- TRAIN”

Major foreseen results: *the curriculum for Navy training programs to be harmonized, 8 training modules to be harmonized, 5 training programs to be jointly conducted in simulating environment and onboard the ships.*



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LoD 11 – Future projects for NET to be applied in 2027

Partners (TBD – max. 6 partners):

Romanian Naval Academy (RO), Nikola Vaptsarov Naval Academy (BG), Portuguese Naval Academy (PT), Polish Naval Academy (PL),

TBC: Italian Naval Academy (IT), Hellenic Naval Academy (GR), Spanish Naval Academy (ESP) – TBD UKR Naval Institute, Odessa (UKR) (<https://ivms.mil.gov.ua>)

WP1: Project management and dissemination (RNA).

WP2. Joint harmonized training curriculum, for vocational abilities and basic hard skills in European Navy using the Hi-Tech training capabilities and coaching models from professional field.

WP3. Joint harmonized training curriculum, for soft skills development in European Navy toward an integrated European Security and Defence culture.

WP4. Developing a training network for European Navy using the joint training facilities and simulating environment.

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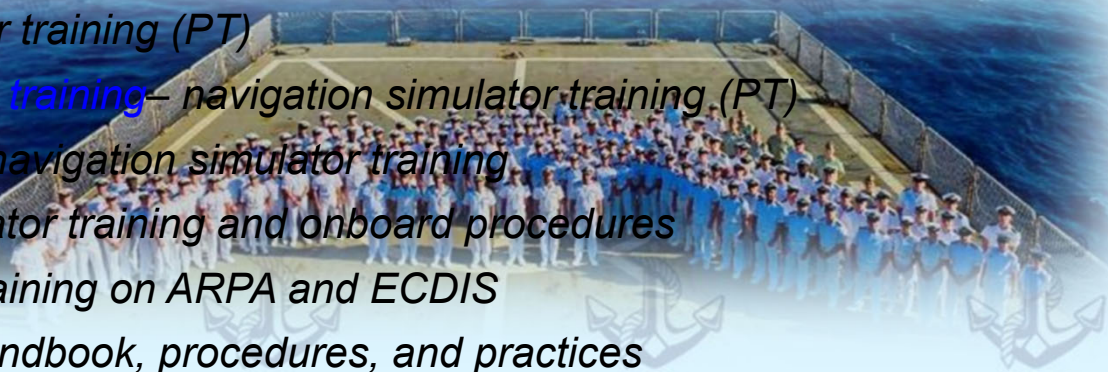


LoD 11 – Future projects for NET to be applied in 2027

Results (TBC):

→ **1 joint Navy joint training curriculum** to be developed and implemented by the project partners

- *Basics of Navigation* – COLREG and bridge simulator training
- *Celestial Navigation* – planetarium training
- *Meteorology and Oceanography* – laboratory, tools, and equipment
- *Navy Warfare Tactics*– simulator training (PT)
- *Ship handling and manoeuvring training*– navigation simulator training (PT)
- *Engine Room Watchkeeping* – navigation simulator training
- *Naval Communications* – simulator training and onboard procedures
- *Radar Navigation* – simulator training on ARPA and ECDIS
- *Logistics for Navy* – onboard handbook, procedures, and practices



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LoD 11 – Future projects for NET to be applied in 2027

Results (TBC):

→ **5 training material packages to be developed** – training booklet, harmonized assessment strategies, network of instructors

- Seamanship;
- Ship handling & Navigation Watchkeeping;
- Engine Room Watchkeeping;
- Navy Warfare Tactics and Naval Communications;
- Naval Drones Operations (USV).



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LoD 11 – Future projects for NET to be applied in 2027

Results (TBC):

→ Implement joint training programs for cadets in Navy Education – to value the modern facilities within the network

- Training in **Seamanship** (the seamanship training bases, small boats maneuvering/sailing boats/RIBs) – 1st year cadets;
- Training in Watchkeeping and **Ship Maneuvring** (navigation simulators, METOC and ECDIS equipment) – 2nd year cadets;
- Training in **Engine Room Watchkeeping** (engine room simulators) – 2nd year cadets;
- **Training at Sea** (training ships) – 2nd-3rd year midshipmen;
- Training in **Navy Warfare Tactics** (tactical simulator, naval warfare gaming, naval sensors) – 4th year midshipmen;



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QUESTIONS?



Thank you!