

NATO MARITIME INTERDICTION OPERATIONAL TRAINING CENTER



https://nmiotc.nato.int

Capacity Building in Maritime Security: The role of NMIOTC

Stellenbosch, South Africa, 6 Sep 2024







Commodore Efstathios (Stathis) KYRIAKIDIS GRC-N
Commandant NMIOTC

NATO UNCLASSIFIED



NATO 2022 Strategic Concept



(Madrid, June 2022)

- Deterrence and collective defence
- Crisis management
- Cooperative security: Outreach through partnerships, dialogue and cooperation





Maritime Security Challenges



Delineation of Borders Exploitation of Resources Resource management

Political

Conventional Asymmetric Terrorism

Environmental

Maritime Security Challenges

Military

Climate Changes (Tsunami, Hurricanes, new SLOCs)
Oil/chemical spillovers

Economic

Trade Routes
Smuggling
Trafficking

nmiotc.nato.int



NATO Defence Capacity Building Initiative



- Maritime Situational Awareness (MSA)
- Interdiction Capabilities
- Legal Frameworks
- Technological Advancements
- International Cooperation







nmiotc.nato.int



NATO Defence Capacity Building Initiative - Training



- NATO Education and Training Facilities NETFs
- NATO accredited Centers of Excellence CoEs
- Partnership Training and Education Centres PTECs





NATO Education and Training Facilities - NETFs



- Within NATO Command Structure subordinated to SACT
 - Joint Warfare Center JWC at Stavanger, Norway



- Joint Force Training Center JFTC, at Bydgoszcz, Poland
- Joint Analysis and Lessons Learned Center JALLC at Lisboa, Portugal



- **Coordination with SACT**
 - NATO Communications and Information Academy NCIA, at Oeiras, Portugal



- Defence College NDC, at Rome, Italy
- NATO School NSO, at Oberammergau, Germany
- NATO Special Operations University NSOU, at Chièvres, Belgium











NATO accredited Centers of Excellence - CoEs







Partnership Training and Education Centres - PTECs



CAIRO INTERNATIONAL CENTER FOR CONFLICT

RESOLUTION, PEACEKEEPING & PEACEBUILDING

- 34 Training Centers
 - 19 Centers in 14 NATO m-s
 - 15 Centers in 13 Partner Countries

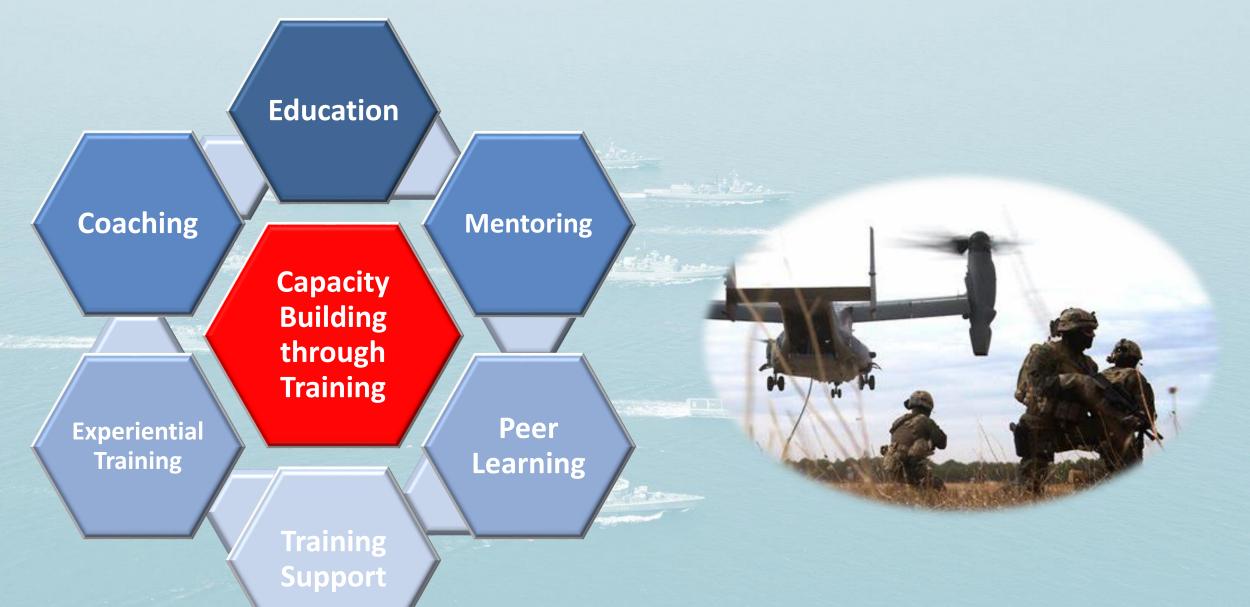




nmiotc.nato.int

Defence Capacity Building Through Training

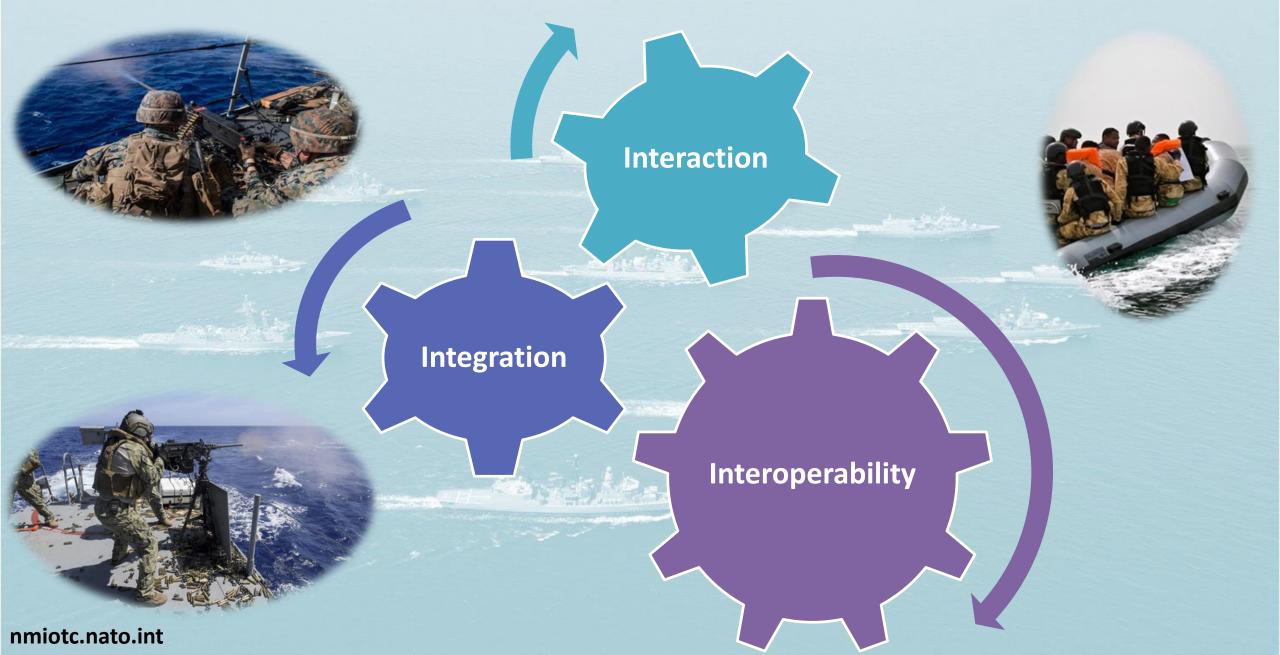






Implementation: NMIOTC





NMIOTC: 2008 – 2024: 16 years of Excellence!









- 2nd QA Unconditional Accreditation: 31 May 19 (in preparation for the 3rd QA review in April 2025)
- Funded by Greece (Framework Nation)

nmiotc.nato.int



Strategic Location







Mission and Tasks





- Combined Theoretical and Practical Training Provider in support of Maritime Interdiction Operations
 - NATO & Partners
 - Surface / Subsurface / Aerial Surveillance Special OPS

- Experimentation Modeling & Simulation
- Lessons Learned Process
- Development of MIO Tactical Doctrine Directives & manuals
- NATO Defence Capacity Building Initiatives



Contemporary Maritime Interdiction: Overarching and Cross Domain





































26 active (15 NATO approved / 11 listed) + 4 under development



19000 **Cyber Security Aspects** in Maritime Operations

21000 **Medical Combat Care** in Maritime Ops

26000 Tactical Emergency Care For first responders in Maritime Ops

27000 **Unstable Platform Sniper Course** NMIOTC, ISTC

Emerging Security

Challenges

Adaptation

16000

Maritime Aspects

of Joint Ops

17000

Train the Trainers

Technical

Instruction

18000

Maritime Biometrics

Collection and

Tactical Forensic

Site Exploitation

Projecting Stability

20000 **Managing Perilous Security Incidents** on Coastal Critical Sites

25000 **Drafting, Production And Maintenance NATO Standards**

24000 **Building Up Interoperable Capabilities in support** of MIO

31000 **Harbor Protection and** its relation to MIO

33000 **Counter Terrorism** at Sea with MIO

22000 **Managing Insecurities** in the Maritime **Environment**

Countering Hybrid

Threats

23000 **WIT Supplement** In the Maritime **Environment**

28000 Radiological search in maritime environment

29000 **Detection** and identification of WMD in **Maritime Interdiction**

30000 **NATO Intelligence Analyst in a Complex Environment**

Energy Security

32000 **MIO in Maritime Oil** and Gas Assets

10000 **MIO in Support of Counter Illicit** Trafficking at Sea

Legal

9000 **Legal Issues in MIO**

11000 **Vessel Protection Detachments**

NATO Maritime Ops Law Seminar NMIOTC, NSO, CSW, NWC

Operational Training

1000 **Command Team MIO** Issues

> 4000 **Final Tactical Exercise**

7000 **MIO in Support** of Counter **Piracy Ops**

2000 **Boarding Team MIO Theoretical**

5000 Maritime **Operational Terminology**

8000 C-IED **Considerations** in MFP

3000 **Boarding Team MIO Practical**

> 6000 **WMD** in MIO

MIO in Support of Intl Efforts to Counter Human Trafficking Activities at Sea

Gender Perspective in Maritime Ops

14000

12000

MIO in C-IED (AtN)

Maritime

Environment

13000

MIO in Support of Intl

Efforts to Counter

Human Trafficking

Activities at Sea

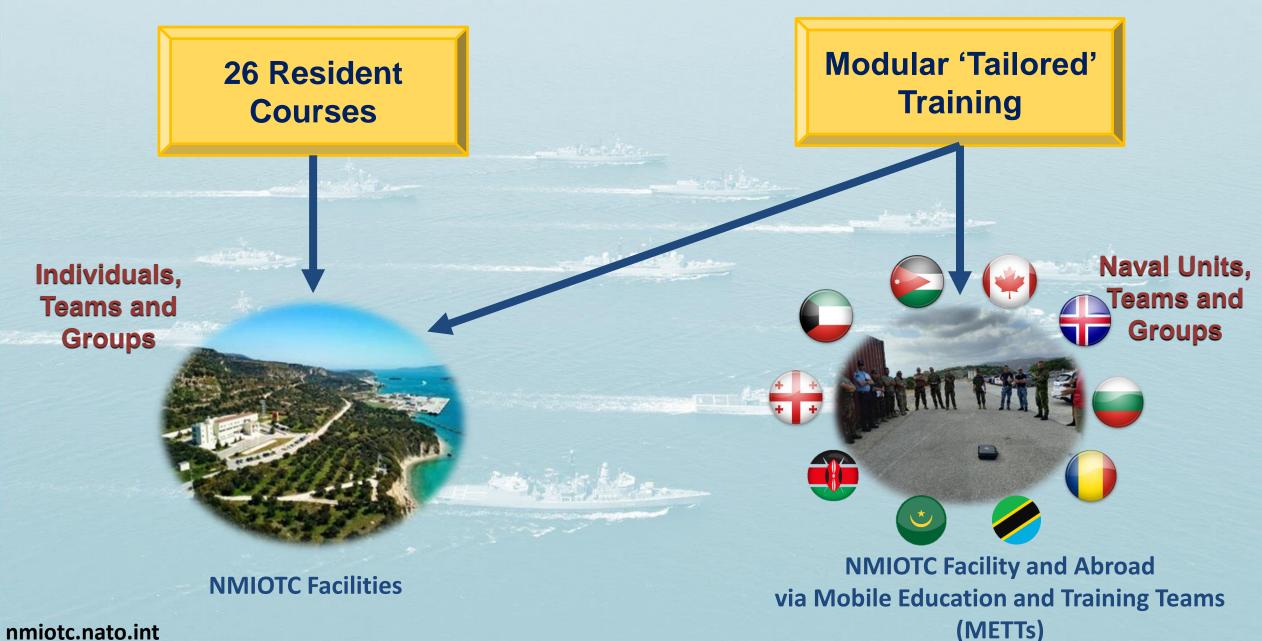
Maritime IED Disposal

15000



What: Education and Training







Who: Instructors



External Contributors:

NATO Allied Command Transformation (ACT)

NATO MARitime COMmmand (MARCOM)

INTERPOL

EUROPOL

Naval Criminal Investigative Service (NCIS)

US Natioanl Security Agency (NSA)

FRONTEX

FBI

US National Ground Intelligence Center (NGIC)

US Defense Threat Reduction Agency (DTRA)

Hellenic Police

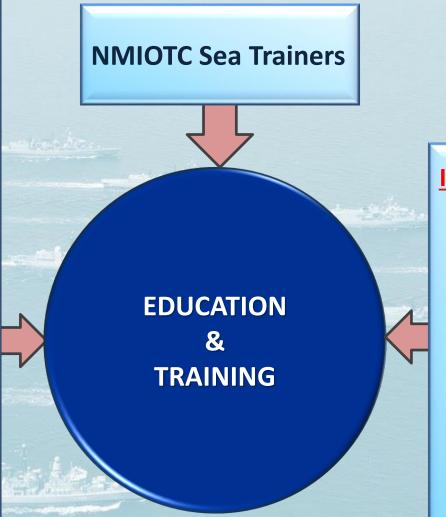
Hellenic Coast Guard

National Prosecutors

Private Sector (specialized contractors)

Academic Sector (lecturers)

Industry & Shipping (lecturers)



In House Expertise:

MIO

Counter Piracy

Maritime Security

CBRN

Gender

Legal Issues

Intelligence

C-IED

nmiotc.nato.int

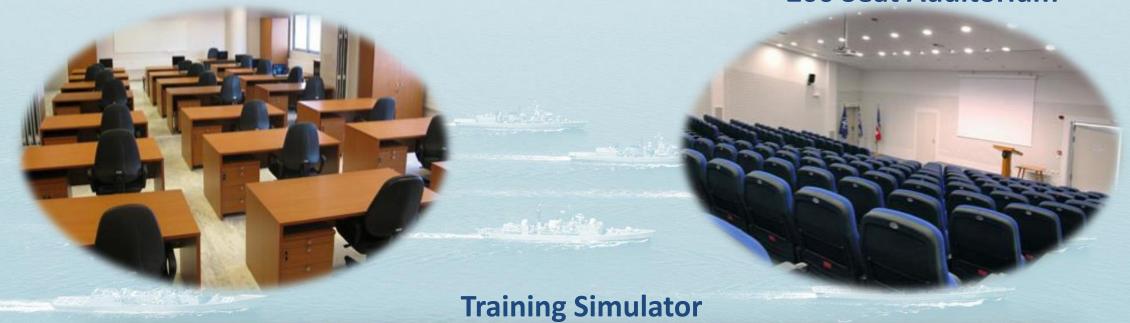


Where: Indoor Facilities













Where: Outdoor Facilities



Training Tower



Container Stack



Coastal Urban Training Area



Training Platform (TP) Aris



Primary Training Platform

TP Lykoudis



Secondary Training Platform

3 RHIBs



1 Whaler



nmiotc.nato.int



Bird's eye view: Ideal Littoral Training Environment







With whom: Synergies and Cooperation



18 signed MOUs & Cooperation Agreements – 2 Drafts (2024)

Academia

- World Maritime University / IMO
- Naval Postgraduate School (NPS) USA
- Plymouth University
- University of the Aegean
- Hellenic Naval Academy
- Nikola Vaptsarov Naval Academy of Bulgaria
- National & Kapodestrian University of Athens
- Panteion University of Athens
- Technological University of Crete
- Stellenbosch University South Africa
- University of Macedonia in Thessaloniki
- European Security & Defence College / ESDC
- Geneva Center for Security Policy (GCSP)
- American University in the Emirates (AUE)
- Queen Mary University Medical Dept, Malta

Research Institutes

- George C. Marshall Centre
- Greek Atomic Energy Research Centre
- Arab Institute for Security Studies
- Centro Studi Internazionali (Ce.SI)

Industry / IOs

- NAEMT Training Centre
- Maria Tsakos Foundation (Shipping Ind)
- US SOCOM (NAVSCIATTS)
- DELOITTE
- Hellenic Telecommunications Organization









NMIOTC in European Union



- ✓ In the framework of Joint NATO EU Declarations:
 - NMIOTC Joined the network of ESDC as Acceding Associated Network

Partner (ANP) - Course:

'Implementation of Cybersecurity Technical Controls'





- EU Officials participate in various events
- ✓ Maritime co-discipline Leader "Military Role in Maritime Security"
- ✓ Pre-deployment training to the units in CSDP Operations









NMIOTC 15 Years Anniversary





"Risks and Challenges in a Dynamic Maritime Domain:

Strategy Adaptations, Technology Innovations and the Operational Landscape of the Future"













nmiotc.nato.int



STATISTICS



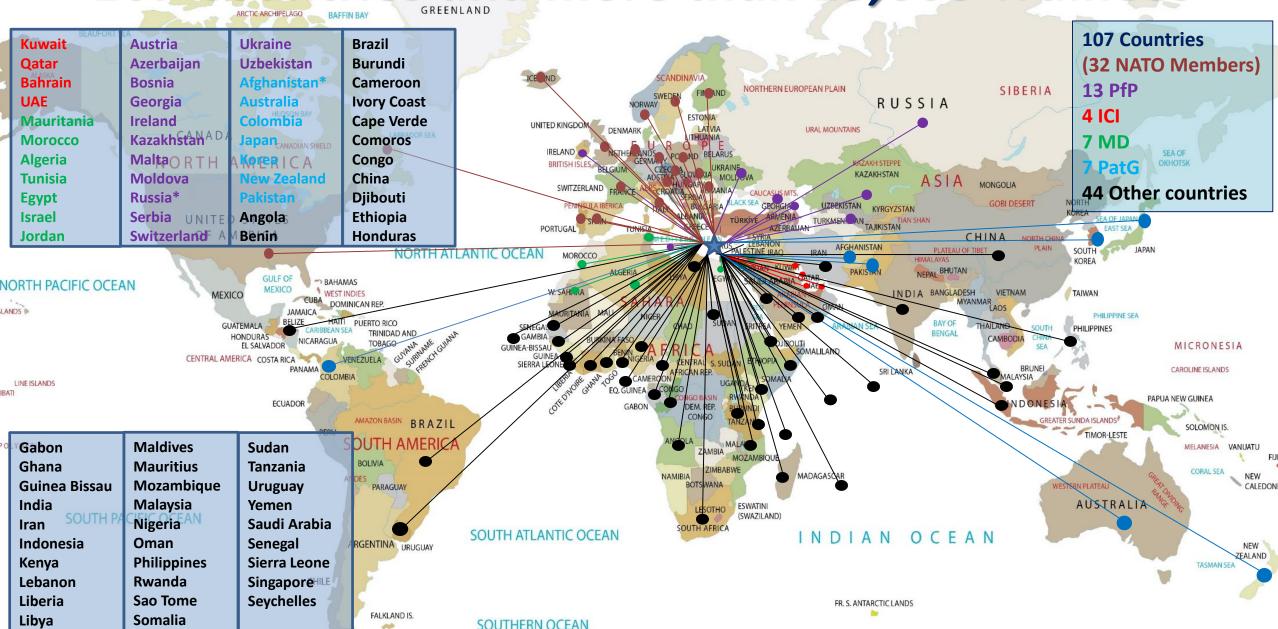
Trainees and Attendees by Numbers / Years



South Africa

Madagascar

107 Countries and more than 29,000 Trainees





Contribution to NATO Defence Capability Building Initiatives



- Jordan (Maritime Border Security)
- Mauritania (Maritime Interdiction Operations, Search and Rescue, Maritime Surveillance)
- Georgia (Maritime Security Initiative)
- Tunisia (Maritime Border Security)





NATO DCB in NMIOTC

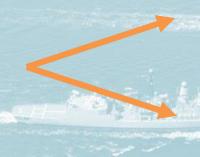


NMIOTC has supported NATO HQ, SHAPE and MARCOM with:

Resident courses

Reserved seats

Tailored training



NMIOTC premises

At Partner Nation's home bases, with METT



NATO DCB - MAURITANIA





MAURITANIA

NMIOTC identified as training authority in support to Mauritanian Navy, Coast Guard and Gendarmerie to enhance their capability in planning and conducting Maritime Interdiction Operations and related topics



Training Plan 2023-2025

for MRT Navy, Coast Guard and Gendarmerie

- a. 3 days seminar MIO MSA (Nouakchott, Sep 2023): 20 attendees
- b. 7 days training in MIO MSA (Nouakchott, Dec 2023): 15 trainees
- c. 19 days tailored training package (NMIOTC, Oct 2024): 20 trainees
- d. 7 days training in MIO MSA (Nouakchott, Dec 2024): 25 trainees
- e. 16 days train the trainers (T3) package (NMIOTC, Q2/2025): 15 trainees





NATO DCB - JORDAN





JORDAN

Organization of a Workshop in Aqaba focused on border security under the counter-terrorism perspective (11-16 May). The successful activity involved different national international organizations and provided an initial gap analysis for JAF





NATO DCB - GEORGIA





GEORGIA

Under the auspices of the Hellenic Armed Forces, NMIOTC is fully committed to the Standing NATO Georgia Package, and initiative aimed to improve Georgian capabilities up to NATO standards and to integrate this key partner nation in NATO.





ALGERIA

ANGOLA

BURUNDI CAMEROON CAPE VERDE COMOROS

DJIBOUTI

ETHIOPIA GABON

GHANA

KENYA

LIBERIA LIBYA

EGYPT

CÔTE D'IVOIRE

GUINEA – BISSAU

MADAGASCAR

BENIN

African countries in NMIOTC



1254 trainees from 35 Countries

- IMO DCoC

123

2

24

29

271

2

26

62

37

30

- NATO Partnership Directorate (ie Med Dialogue)
- EU Training (Libyan Coast Guard)



MAURITANIA	27
MAURITIUS	23
MOROCO	256
MOZAMBIQUE	14
NIGERIA	6
REPUBLIC OF THE CONGO	3
RWANDA	1
SÃO TOMÉ AND PRÍNCIPE	2
SENEGAL	12
SEYCHELLES	23
SIERRA LEONE	1
SOMALIA	18
SOUTH AFRICA	51
SUDAN	11
TANZANIA	28
TUNISIA	149
ZIMBABWE	1

nmiotc.nato.int



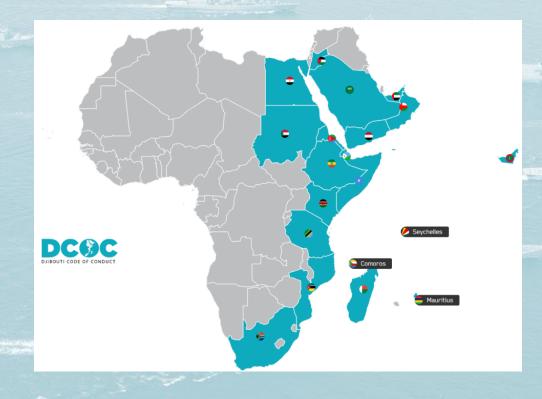
IMO - DCoC Trainings in 2012-2016



Training Sessions 3 sessions in 2012 4 sessions in 2013 5 sessions in 2014 5 sessions for 2015 2 sessions for 2016







Countries	Pax
COMOROS	21
DJIBOUTI	19
EGYPT	3
ETHIOPIA	1
JORDAN	10
KENYA	43
MADAGASCAR	28
MALDIVES	14
SOMALIA	9
SOUTH AFRICA	11
SUDAN	11
TANZANIA	25
UAE	1
YEMEN	20



NMIOTC 8th Cyber Security Conference 18-19 Sep 2024





Keynote Speakers (confirmed):

- Michail Bletsas, Director of Computing, MIT Media Lab, Director at the Hellenic National Cybersecurity Authority (NCSA)
- Despina Spanou, Head of the Cabinet of European Commission Vice-President Margaritis Schinas
- Maja Markovčić Kostelac, Executive Director European Maritime Safety Agency (EMSA)
- Mart Noorma, Director of the NATO Cooperative Cyber Defence Centre of Excellence (CCD CoE)

Important entities with speakers and distinguished representatives (confirmed):

- Groupe Navale
- Leonardo
- MSC Cruises
- France Cyber Maritime Center
- Nordic Maritime Cyber Resilience Centre (NORMA Cyber), Norway
- George Mason University, USA
- Naval Post Graduate School, USA
- Stellenbosch University, South Africa
- European Union Security Defence College (ESDC)



Website and Social Media Presence





NMIOTC WEBSITE

nmiotc.nato.int



FACEBOOK

facebook.com/nmiotc



INSTAGRAM

instagram.com/nmiotc



LINKEDIN

linkedin.com/company/nmiotc



X

https://twitter.com/nmiotc







NMIOTC: 'A day at the office'



"We have land and country, as long as we have ships sailing"

Themistocles 480 BC, Battle of Salamis <u>Video</u>