



NORTH ATLANTIC TREATY ORGANISATION  
NATO MARITIME INTERDICTION OPERATIONAL TRAINING  
CENTRE  
NMIOTC  
SOUDA BAY  
73200 CHANIA  
GREECE



5000 NSC-74/Ser.: NU 116

TO: See Distribution List

SUBJECT: **INVITATION LETTER FOR COURSE 19000 “CYBER SECURITY ASPECTS IN MARITIME OPERATIONS”, 08 - 12 Nov 21.**

DATE: 30 July 2021

REFERENCE: NMIOTC Program of Work (NPOW) 2021

1. The Alliance has recognized cyberspace as a domain of operations in which NATO must defend itself as effectively as it does for all the other warfare areas. This will improve NATO's ability to protect own forces and capabilities and conduct operations across these domains and maintain freedom of action and decision making, at all circumstances. The impact of cyber security issues on the conduct of future maritime operations is uprising dramatically. Maritime operations are conducted by technology-intensive platforms, which today rely heavily on information systems. How will this dependence on information technologies affect their ability to maintain security at sea?

2. As it is stated at SACEUR'S Annual Guidance on Education, Training, Exercises and Evaluation 2018, cyber threats can affect NATO's capabilities to effectively control Allied forces, impacting upon NATO's operational theatres and individual Allies. Consequently, cyber defence is considered as a critical component of Collective Defence. In addition, Cyber Defence in maritime environment is a new training requirement as it is depicted from the 2017 Cyber Defence Operations Discipline Alignment Plan.

3. Under this vein NMIOTC is going to launch the course 19000 “Cyber Aspects in Maritime Operations”, a 5 day course from **8<sup>th</sup> to 12<sup>th</sup> of November 2021**, in order to address adequately the cyber risk for the maritime environment and to provide the basic principles, knowledge and framework for the maritime staff officers (operational planners and current ops) in order to apply cyber resilience together with situational awareness, consequence management, business continuity plan and risk management into the maritime operational realm.

4. Aim: This course provides a comprehensive knowledge to facilitate the understanding of the maritime cyber aspects, designed for operational planners and staff officers from tactical, operational level, without sufficient cyber operational background. On completion of the Course students will be able to:

- a. Understand cyber security aspects of maritime operations.
- b. Identify cyber security threats in maritime operations.

c. Apply knowledge / skills / guidance in application of cyber resilience together with situational awareness, business continuity plan and risk management.

5. The target audience is the community of interest of maritime personnel functioning as Staff Officers /operational planners, from tactical, operational NCS/NFS HQs, individual NATO Naval Forces, members of NATO response Force (NRF), Enhanced NATO Response Force (eNRF) without dedicated (specialized) cyber security operational background. Personnel from Joint Commands and other related Agencies (Coast Guard, Port Police, etc.). Educational and training facilities and equivalent civilian personnel from relevant governments / agencies involved in Maritime Security Operations are also eligible to participate.

6. The course will be conducted in English. Attendees should have the following standards of proficiency in English (as described / coded in STANAG 6001), Listening – Good (3), Speaking – Good (3), Reading – Good (3) and Writing – Good (3).

7. This is a NATO ACT approved Course, classified as **“NATO Restricted”**. NMIOTC applies security arrangements and regulations according to NATO standards.

8. A draft agenda for this event is hereby attached as Enclosure 1. The final agenda will be included with the Joining Instructions in due time. Attendance of the participants is obligatory in order to be considered as “successful attendees”. Failure to follow at least 85% of the course will prevent a participant from acquiring the relevant certificate.

9. The Course will start on **Monday, 08 November 2021 and will end on Friday, 12 November 2021**. Training hours are from 08:30 to 15:00. Due to the fact that the Course will be run with the cooperation of external augmenters (SHAPE J6 CYBER/ CYOC/ MARCOM) and academia (University of Derby), the execution of the Course is subject to the achievement of the minimum number of participation. Comprehensive administrative instructions are provided at Enclosure 2.

10. With the current COVID-19 situation, due to the Greek preventive and protective measures that have been implemented, this course is considered as executable. The COVID-19 situation will be re-evaluated when the registration dead line is met and delegates who are registered will be updated by e-mail regarding any measures towards COVID-19 that must be undertaken, which may include cancellation of the course.

11. Registration should be made on NMIOTC's official web site dedicated registration area, <https://nmiotc.nato.int/join-us/individual-application-form/> no later than **(NLT) Monday 4<sup>th</sup> October 21**.

12. Event details can be found in the Education and Training On-line Catalogue (ETOC) at <https://e-itep.act.nato.int/Guest/ETOCindex.aspx> (COP-CD-22104) or through the NMIOTC official web site [www.nmiotc.nato.int](http://www.nmiotc.nato.int).

13. NMIOTC Point of Contacts (POCs):

- a. Course Director: Cdr Periklis Pantoleon GRC (N)  
Phone: +30 28210 85711, NCN: 498-5711, Fax: +30 28210 85702  
E-mail: [pantoleonp@nmiotc.nato.int](mailto:pantoleonp@nmiotc.nato.int)
  
- c. Registration POC: Lt Cdr Konstantinos Papanastasis GRC(N)  
Phone: +30 28210 85710, NCN: 498-5710, Fax: +30 28210 85702  
E-mail: [papanastasisk@nmiotc.nato.int](mailto:papanastasisk@nmiotc.nato.int); [studenadmin@nmiotc.nato.int](mailto:studenadmin@nmiotc.nato.int)



Charalampos Thymis  
Commodore GRC (N)  
Commandant NMIOTC

ENCLOSURES:

- 1. Draft Schedule of Events for Course 19000
- 2. Administrative Instructions

External:

Action:

SHAPE NMR – GRC (Please pass to NATO NMRs)  
SHAPE REG  
HQ SACT NLR GRC  
HQ NATO HEL MILREP (Please pass to NATO MILREPS)  
HQ NATO Military Representatives to the NATO Military Committee  
HQ NATO National Permanent Delegations to NATO  
HNDGS/E4 (Please pass to NATO /Naval Attaches in Athens)

Information:

HQ SACT DCOS JFD  
HQ SACT JFD ETEE  
SHAPE COS  
ACOS J6 Cyberspace  
Dir CyOC  
SHAPE CyOC - Plans  
MARCOM DCOS OPS  
MARCOM - ACOS N6  
HQ JFC Naples  
CSW COE  
CCD COE  
CJOS COE  
MARSEC COE

UNIVERSITY OF DERBY

HNDGS/B2  
HNDGS/D4  
HAGS/TRAINING  
HNGS/B2  
HNGS/A4IV

Internal:

Action:

DIR E&T  
SAA

Information:

DCOM  
COS  
DIR S (FOR B&F)  
DIR TS  
DOSO

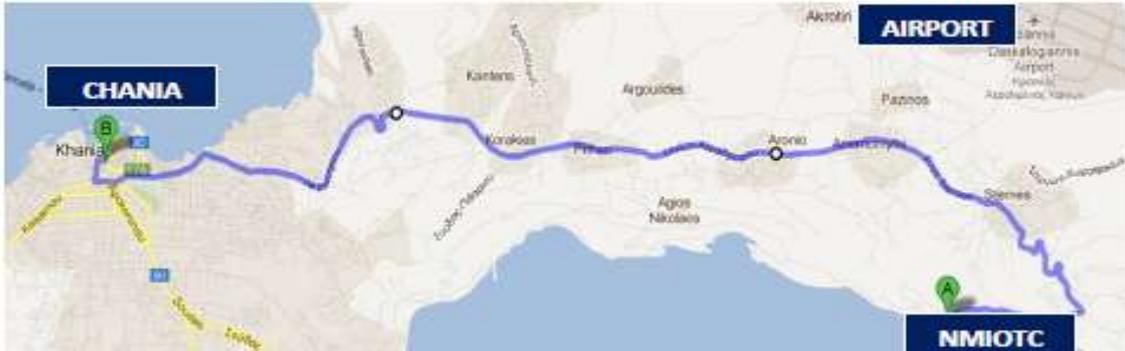
**DRAFT SCHEDULE OF EVENTS FOR COURSE 19000**

<b>E&amp;T Director :</b> <b>Cdr Ioannis Rogdakis GRC (N)</b>		<b>Course Director:</b> <b>Cdr Periklis Pantoleon GRC (N)</b>		<b>Assistant Course Director / Admin Officer:</b> <b>Lt Cdr Konstantinos Papanastasis GRC (N)</b>					
<b>Monday</b> <b>(Nov 08 - Day 1)</b>		<b>Tuesday</b> <b>(Nov 09- Day 2)</b>		<b>Wednesday</b> <b>(Nov 10 - Day 3)</b>		<b>Thursday</b> <b>(Nov 11 - Day 4)</b>		<b>Friday</b> <b>(Nov 12 - Day 5)</b>	
0830 0850	NMIOTC Welcome / Safety brief	0830 0920	Cryptology and virology MARCOM	0830 0920	Cyber Incident handling Guidelines for staffs at Operational and Tactical level (CyOC)	0830 0930	Hacking Demo TBD	0830 0930	Table Top Exercise ALL
0850 0930	Course administration and Introduction Group Photo	0920 0930	Break	0920 0930	Break	0930 0940	Break	0930 0940	Break
0930 0945	Introduction (NMIOTC)	0930 1000	Social Engineering (University of Derby)	0930 1030	Cyberspace Considerations in Maritime Operations (MARCOM)	0940 1050	Hacking Demo TBD	0940 1050	Table Top Exercise ALL
0945 1000	Break	1000 1015	Break	1030 1040	Break	1050 1100	Break	1050 1100	Break
1000 1045	Cyber Threats (University of Derby)	1015 1100	Cyber Risk Management TBD	1040 1200	Cyberspace Considerations in Maritime Operations (MARCOM)	1100 1200	Cyber threats actors and TTPs. (MARCOM)	1100 1200	Table Top Exercise ALL
1045 1115	Break	1100 1115	Break	1200 1300	Lunch Break	1200 1300	Lunch Break	1200 1300	Lunch Break
1115 1200	Maritime Cyber Threats (University of Derby)	1115 1200	Cyber Defence Operational Requirements (CyOC)	1300 1400	Cyberspace Considerations in Maritime Operations (MARCOM)	1300 1400	Maritime Cyber Security Evaluation (MARCOM)	1230 1345	Table Top Exercise ALL
1200 1300	Lunch Break	1200 1300	Lunch Break	1400 1410	Break	1400 1410	Break	1400 1410	Break
1300 1400	Ethical Hacking Phases / Concepts Password Cracking Demo (University of Derby)	1300 1400	Cyber Situational Awareness – Cyber Common Operational Picture  (CyOC)	1400 1500	Cyber organization in BACO / CRISIS MARCOM/ CyOC	1410 1500	Managing a cyber exercise (MARCOM)	1400 1415 1415 1500	Exercise De-brief and Course Feedback  Course dispersal
1400 1410	Break	1400 1410	Break	1410 1500	Latest NATO cyber incidents (CyOC)				
1410 1500	Security Policy University of Derby	1410 1500							
1900	Icebreaker (Hosted by NMIOTC)								



## **ADMINISTRATIVE INSTRUCTIONS**

1. **Location:** NMIOTC is located in the Akrotiri peninsula, near the city of Chania, in the north-western part of Crete. The destination airport is Chania International airport “Ioannis Daskalogiannis” (airport code: CHQ). Distance from the city of Chania to NMIOTC is 20 km and from the airport to NMIOTC is 9 Km. Chania is a picturesque, unique medieval city bearing a rich and long history and culture. The following map provides orientation and driving directions from the city of Chania to NMIOTC.



2. **Registration:** You are kindly requested to submit your Application Form in accordance to paragraph 11 of the main body within the given deadline. Applications submitted after the specified deadlines may not be accepted. All applicants will receive an instant confirmation message. However the final confirmation will be provided after the process and acceptance of the application. It is advised not to proceed to travel arrangements before the final confirmation.

**Note:** A maximum number of twenty four (24) trainees will be accepted on a first come first served basis.

3. **Visa Requirement:** Participants or their national authorities are responsible for visa arrangements, if needed. Participants are advised to contact well in advance, proper diplomatic agencies for up-to-date information. It is an individual’s responsibility to apply and obtain their visa and to have the proper travel / medical documentation. Hellenic Ministry of foreign Affairs website ([www.mfa.gr](http://www.mfa.gr)) provides relevant VISA information requirements.

4. **Tuition Fee:** The tuition fee for the course is **480,00€**. The fee includes daily transportation from Chania city centre to NMIOTC and vice versa during the course days. Full payment for tuition must be made to NMIOTC’s Financial Officer on the first day of the course in cash or by credit card (American express excluded) or by bank deposit to the NMIOTC bank account:

IBAN Number: GR 38 0110 4940 0000 4945 4001 048

Swift BIC: ETHN GRAA

Bank Name: National Bank of Greece

**Note:** A direct link for credit card payment can be sent to participant’s email address to complete payment procedure before event’s start date. Bank deposit must be

completed no later than **3 working days before the start date of the event**. The relevant document with proper justification must be e-mailed to NMIOTC Budget & Finance Officer at [kladosa@nmiotc.nato.int](mailto:kladosa@nmiotc.nato.int). NMIOTC will cover only the expense that the National Bank of Greece may charge for transactions and not potential charges of other banks.

5. **Dress Code:** Participants are strongly recommended to wear Winter Daily Uniform for the whole training, as well as for the Graduation Ceremony.

6. **Meals:** Participants will have their meals outside NMIOTC, on their own responsibility and at their own discretion. A canteen is available within the NMIOTC main building that can provide snacks and refreshments for a nominal cost.

7. **Accommodation:** There are no accommodation facilities at NMIOTC. Therefore, participants are responsible to arrange their own accommodation. NMIOTC can provide guidance / assistance if requested. Hotels near the Chania city centre are highly recommended for transportation purposes. The list of recommended hotels in Chania offering special prices (for participants who book directly with each hotel by e-mail using the code “**NMIOTC Guest**”) and including breakfast and internet connection, is as follows:

AKALI 4\* hotel [www.akali-hotel.gr](http://www.akali-hotel.gr) (promotional code “NMIOTC 21”)  
E-mail: [info@akali-hotel.gr](mailto:info@akali-hotel.gr) Tel.: (+30) 28210 92872.

KYDON 4\* hotel [www.kydon-hotel.com](http://www.kydon-hotel.com) (promotional code “NMIOTC 21”)  
E-mail: [info@kydon-hotel.gr](mailto:info@kydon-hotel.gr) Tel.: (+30) 28210 52280.

SAMARIA 4\* hotel [www.samariahhotel.gr](http://www.samariahhotel.gr) (promotional code “NMIOTC 21”)  
E-mail: [reservations@samariahhotel.gr](mailto:reservations@samariahhotel.gr) Tel.: (+30) 28210 38600.

ARKADI 3\* hotel [www.arkadi-hotel.gr](http://www.arkadi-hotel.gr)  
E-mail: [info@arkadi-hotel.gr](mailto:info@arkadi-hotel.gr) Tel: (+30) 28210 90181.

KRITI 3\* hotel, [www.kriti-hotel.gr](http://www.kriti-hotel.gr) ,  
E-mail: [info@kriti-hotel.gr](mailto:info@kriti-hotel.gr), Tel.: +302821051881

PORTO VENEZIANO 3\* hotel [www.portoveneziano.gr](http://www.portoveneziano.gr).  
E-mail: [hotel@portoveneziano.gr](mailto:hotel@portoveneziano.gr) Tel: +30 28210 27100.

ROYAL SUN 3\* hotel [www.royalsunhotel.com](http://www.royalsunhotel.com).  
E-mail: [hotelroyalsun@gmail.com](mailto:hotelroyalsun@gmail.com) Tel: (+30) 28210 46363.

8. **Transportation:** Transportation will be provided during the days of the course from Chania city centre pick-up points (1<sup>st</sup> pickup point AKALI at 07:40, 2<sup>nd</sup> pickup point SAMARIA at 07:50, 3<sup>rd</sup> pickup point KYDON at 07:55, 4<sup>th</sup> pickup point KRITI at 08:00 and 5<sup>th</sup> pickup point Royal Sun hotel (at Akrotiriou str) at 08:05. Participants are responsible for their transportation from the airport to their hotel and vice versa. The available transportation options from Chania airport to Chania city centre are as follows:

- a. By Bus: The bus stop is outside the terminal and the ticket cost 2,50€. For further information and detailed timetables check [www.e-ktel.com/en/services/dromologia](http://www.e-ktel.com/en/services/dromologia)
- b. By taxi from the airport directly to Chania city centre, 24 hours/day and the cost is 25,00 € (approx).

9. **Medical service:** Trainees are required to have a valid health insurance according to their respective national standards. Trainees from the EU Member States are required to possess a valid European Health Insurance Card. NMIOTC ensures first aid during training, providing emergency transportation to the Naval Hospital of Crete if needed. The Naval Hospital of Crete can provide diagnosis, first aid and treatment, while the Prefectural Hospital of Chania can provide further diagnosis or specialist treatment if required. NMIOTC do not cover trainees' expenses for additional medical treatments and the settlement of medical bills is a patient/national responsibility.

10. **COVID 19 awareness:** Please take under consideration that due to the current COVID-19 situation and the undertaken preventive and protective measures, the conduct of the course is considered feasible. Furthermore NMIOTC is ready to welcome participants to NMIOTC's events according to the travel rules as described in detail on the web page: <https://travel.gov.gr/#/> (protocol for arrivals in Greece) as well as the latest instructions uploaded to the NMIOTC site <https://nmiotc.nato.int/general-information-on-coronavirus-covid-19/> which are to be followed according to the latest update.

**Note:** The COVID 19 is a highly dynamic and fluctuating situation and all relevant measures are under continuous review. It is advised that participants take into account any further travel restrictions and rules from intermediate countries through which they will travel. Under such circumstances it is recommended to ensure refundability of any travel bookings.

11. **Security:** NMIOTC applies security issues according to NATO standards. There is a strict access control procedure for entrance into the Marathi main gate and NMIOTC main building. You will be required to provide your passport or your national identification card during in-processing and whenever you enter these areas.