

MILENG COE KEY EVENTS 2016

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| 11th MILENG WG | 25 Jan – 28 Jan 16 |
| MILENG DPAG | 15 Feb – 18 Feb 16 |
| 17th MILENG COE SC | 12 Apr – 13 Apr 16 |
| MTT Italy | 13 Jun – 17 Jun 16 |
| 12th MILENG WG | 20 Jun – 24 Jun 16 |
| 18th MILENG COE SC | 24 Oct – 25 Oct 16 |
| NSJEC 2016 | 26 Oct – 27 Oct 16 |
| Information Exchange Seminar 2016 | 29 Nov – 01 Dec 16 |
| MILENG COE Industry Day | 30 Nov 16 |

MILENG COE COURSES 2016

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| NATO Operational Military Engineering Course (NOMEC) | 14 Mar – 18 Mar 16 19 Sep – 23 Sep 16 |
| NATO Tactical Military Engineering Course (NTMEC) | 09 May – 13 May 16 21 Nov – 25 Nov 16 |
| Military Engineering Multinational Advisory Course (MEMAC) | 22 Feb – 26 Feb 16 10 Oct – 14 Oct 16 |
| Military Engineering Multinational Basic Course (MEMBC) | 18 Apr – 22 Apr 16 27 Jun – 01 Jul 16 05 Dec – 09 Dec 16 |
| Military Environmental Protection Practices and Procedures Course (MEPPPC) | 30 May – 03 Jun 16 07 Nov – 11 Nov 16 |
| International Bridge Assessment Course (IBAC) | 11 Jul – 15 Jul 16 |

The complete Event and Course Calendar can be found on our Website and Knowledge Portal. Register to access the MILENG COE Knowledge Portal through the website at www.milengcoe.org. Registered users can get access to:

- The "Search engine" for searching documents, publications, whitepapers, manuals and other downloads from NATO bodies and nations.
- The "Work spaces" which allow collaboration in support of working groups, writing teams, specialist teams and other projects which require external contributions.
- The "Events" and "Courses" pages for information about MILENG COE Events and Courses: alendars, registration details, presentations, etc.
- The "Discussion Forum" which facilitates discussion about MILENG and other topics.
- The "Dropbox" for sharing large files with the MILENG COE Staff members.
- The "MILENG Downloads" to get access to engineer Software, timely and on a request base.

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MILENG COE MISSION

The MILENG COE mission is to enable the development of Sponsoring Nations and Alliance military engineering capability and interoperability, in order to enhance the effectiveness of military engineering support to NATO and other operations.

Military Engineering Centre of Excellence Courses Overview 2016



INTEROPERABILITY IS A QUESTION OF ATTITUDE

NATO Operational Military Engineering Course (NOMECE)

NOMECE is a course designed to provide working knowledge regarding the roles, responsibilities and staffing procedures of the MILENG staff elements in order to prepare participants for NATO assignments on Operational and Strategic level.

- Students will have the opportunity to work on MILENG subjects relevant to this level and must complete syndicate tasks designed to improve their knowledge in NATO Planning Procedures, Doctrine and Funding Mechanisms while also improving their skill at working in a multinational environment;
- Specific Topics include: NATO MILENG Documents and Publications, MILENG Tasks and Responsibilities at different levels of NATO HQ, NATO Operations, MILENG contribution to Operations Planning Process (OPP), NATO Investment Security Programme (NSIP), NATO Support and Procurement Agency (NSPA) roles and responsibilities, MILENG support to Environment Protection and NATO Lessons Identified / Learned process.

Target Population: Military Engineering Staff Officers and Senior Non-Commissioned Officers (OR-7 and up), which will be the incumbent of a military engineering related post in a static or deployed NATO HQ, including for exercises military engineering staff officers assigned to work in national Joint or Service HQ positions affiliated to NATO or NATO operations.

2 Courses per year | 24 Students per course

NATO Tactical Military Engineering Course (NTMEC)

NTMEC is a course designed to educate national MILENG staff within NATO Tactical Headquarters, (Component commands including the NATO NRDCs), to be able to fully function at the NATO Tactical Level.

- Students will have the opportunity to work on MILENG subjects relevant to this level and must complete syndicate tasks designed to improve their knowledge in NATO Planning Procedures, Targeting, MILENG contribution to CIED WG and Funding Mechanisms while also improving their skill at working in a multinational environment;
- Specific Topics include: NATO Doctrine relevant to MILENG, NATO Organizational Structure, MILENG support to NATO Operations, MILENG support to Environment Protection, MILENG input to Force Protection, MILENG contribution to Operations Planning Process (OPP), MILENG support to CIED, targeting, Route Clearance concept and planning considerations, MILENG input to CIED WG, NATO Investment Security Programme (NSIP) – manage Crisis Response Operations Urgent Requirements (CUR) process and NATO Lessons Identified/ Learned process.

Target audience: MILENG staff from the NATO Tactical Level of NATO Command Structure and NATO Force Structure (NRDCs) - (OF-2 and above) and Senior NCOs (OR-7 and above).

2 Courses per year | 24 Students per course

Military Engineering Multinational Advisory Course (MEMAC)

MEMAC is a course designed to educate MILENG staff, from Battalion up to Brigade, on how to advise on operating in a NATO/Multinational environment, the NATO MILENG Doctrine relevant to this level and on Military Engineering (MILENG) interoperability.

- Students will have the opportunity to work on MILENG subjects relevant to this level and must complete syndicate tasks designed to improve their knowledge in NATO Doctrine while also improving their skill at working in a multinational environment;
- Specific Topics include: NATO Structure and Doctrine overview, Gap Crossing, NATO Orders, support to Force Protection, support to C-IED, Route Clearance, Military Search, Environmental Protection, Military Load Classification, Area/ Route Denial, and Airfield Damage Repair;
- Students must also be prepared to deliver a briefing to their fellow students on their national engineer structure and capabilities.

Target audience: Engineering Staff Officers and Senior Non-Commissioned Officers (OR-8 thru OF-3) working at the Battalion and Brigade level.

2 Courses per year | 24 Students per course

Military Engineering Multinational Basic Course (MEMBC)

MEMBC is an awareness course designed to educate engineers up to coy level leaders on Military Engineering (MILENG) interoperability, operating in a NATO/ Multinational environment, and NATO MILENG Doctrine relevant to this level.

- Identify relevant NATO doctrine to MILENG related topics.
- This topics include: NATO Structure and Doctrine overview, NATO Order, Base Camp Planning, Environmental Protection, Military Load Classification, Area/ Route Denial, and Airfield Damage Repair, support to Force Protection, C-IED and Route Clearance.
- Students must complete Syndicate tasks on Base Camp Planning, Military Load Classification and must also be prepared to deliver a briefing to their fellow students on their national engineer structure and capabilities.

Target audience: Engineering Staff Officers and Senior Non-Commissioned Officers (OR-6 thru OF-2) working working on Platoon and up to Company level.

3 Courses per year | 24 Students per course

Military Environmental Protection, Practices and Procedures Course (MEPPPC)

The aim of the course is to familiarize the student with the knowledge and skills to integrate NATO-led military operations with NATO Environmental Protection (EP) requirements in accordance with NATO STANAGs and policies.

- Explain NATO and international EP laws, doctrine, and responsibilities.
- Demonstrate EP standards, compliance and risk assessment requirements for NATO forces during operations.
- Explain best practices and demonstrate competence in conducting environmental studies for NATO-led forces in order to manage environmental factors.
- Describe the EP compliance and improvement process

Target audience: Military Officer (OF-1 thru OF-4), NCO (OR-6 thru OR-9), civilian equivalent who is assigned, or selected for assignment, to a NATO or PFP Headquarters or Agency, assigned to, or earmarked for assignment, to NATO/PFP, or a Ministry of Defense, Foreign Affairs Department or subordinate military headquarters, unit or agency of any NATO or PFP country which fulfils responsibilities in support of environmental protection.

2 Courses per year | 24 Students per course

International Bridge Assessment Course (IBAC)

The aim of the course is to inform the attendees on the different existing assessment methods from STANAG 2021.

- Learn about design, construction, materials and internal forces of military and civilian bridges.
- Learn about the BEL, DEU, DNK, FRA, GBR and USA load rating methodologies for fixed bridges (according to STANAG 2021).
- Learn how to use the different Bridge Reconnaissance Reports and the BEL and DEU Bridge Classification Equipment.
- Execute Bridge Reconnaissances in the field (supervised by experts).
- Calculate MLC of bridges (supervised by experts).

Target Audience: Engineer NCO (OR-7 and OR-8), and Junior Engineer Officers (OF-1 and OF-2), preferably involved in construction and/or instructing on military bridging. The course is also totally understandable for combat engineers, with the same rank as the above mentioned ranks.

1 Course per year | 24 Students per course

