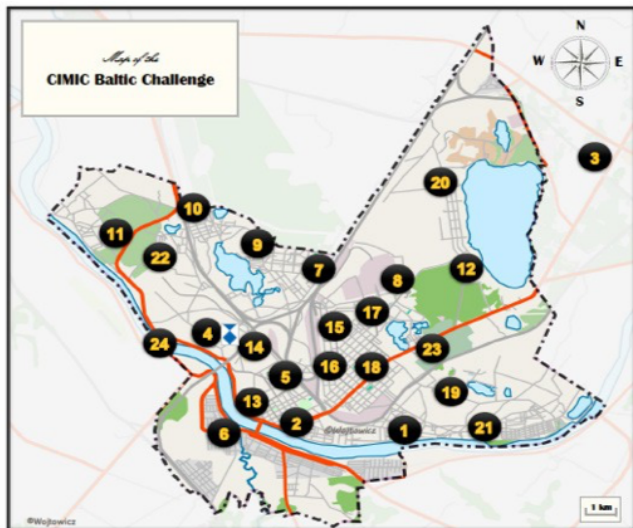


## CIMIC Wargaming, Modelling and Simulation

*Concepts, Interoperability and Capability Branch  
2019*

### INTRODUCTION

CIMIC Wargaming, Modelling and Simulation (WMS) has been established in 2017 with the aim of introducing new training solutions into CCOE course landscape and exercises in NATO. All of the solutions are interoperable with NATO systems and responding to the Global Programming requirements. The introduction of WMS has raised the quality of the training solutions by 25%<sup>1</sup> and upgraded the level of outcomes to 300<sup>2</sup> (apply) from 100 (remember).



Graph 1. Example of CIMIC Baltic Challenge map.



Graph 2. Interactive simulation during CCOE NFSWC in Poland

### PRINCIPLES

- **ADAPTABILITY** Institutional adaptation underpins NATO's political and military adaptation. The objective is an Alliance adaptable by design, where the capacity to anticipate, and react to, change is integral to how we operate. (Warsaw Summit, p.137)
- **RESPONSIVENESS** Training gaps were identified (TRA Report), which can be addressed through adaptation of existing courses and potential development of new training solutions. A modular approach enables use of simulations for different purposes as needed.
- **RELEVANCE** WMS addresses the most urgent requirements: CIMIC in Collective Defense, Urban Warfare, Resilience through Civil Preparedness, NATO Enhanced Forward Presence and Projecting Stability. Training solutions are based on real-life data and situations.

<sup>1</sup> Measured with Quality Assurance Questionnaires filled by students.

<sup>2</sup> Bloom's taxonomy.



Name	Topic	Purpose	Level
<b>CIMIC Baltic Challenge</b>	Deterrence, Host Nation, Communication	NATO CIMIC Field and Staff Worker Course	Tactical 300
<b>CIMIC Baltic Challenge</b>	Deterrence, Host Nation, Communication	MTT CA	Tactical 200
<b>Peacekeepers</b>	Frozen conflict, border incident	NATO CIMIC Liaison Course	Tactical 300
<b>Dam in Distress</b>	Comprehensive approach, combat, critical infrastructure	NATO CIMIC Functional Specialist Course	Tactical 300
<b>Resilience Module 2019</b>	Resilience through Civil Preparedness, Host Nation Support	NATO CIMIC Higher Command Course	Operational 300-400
<b>Escape Room</b>	Introduction, team-building	NATO CIMIC Higher Command Course	(modern training technique)
<b>CIMIC Mosaic</b>	Urban Warfare, CIMIC in high intensity combat,	NATO CIMIC Functional Specialist Course	(modern training technique)
<b>Urban CIMIC: Mosul Case Study</b>	CBRN, Host Nation Support, CA-NATO Synchronization, Eastern Flank	Demonstration during conferences, workshops, external events	Operational 200-300
<b>CIMIC Core functions: Skripal Case Study</b>	Introduction, team-build- ing, country book familiarization	Civil Affairs familiarization course, MNCNE Szczecin Wargaming	All levels 300-400
<b>Exercise introduction game</b>	Introduction, team-build- ing, country book familiarization	Joint Cooperation 2019	(modern training technique)
<b>Collective Defence: Faroe Islands Case Study</b>	Introduction, team-build- ing, country book familiarization	NATO CIMIC Liaison Course, Denmark satellite iteration	Tactical 400
<b>SPO M&amp;S</b>	Collective Defence, Liaison, Host Nation, Maritime CIMIC	SPO (MTT)	200-300
<b>CIMIC Game 2020</b>	Resilience in a pandemic scenario based upon the Ebola pandemic in Sierra Leone.	Joint Cooperation via VTC (Academics)	200
<b>Wise Aegis</b>	Resilience in the Baltic States with Strategic implications	NCHCC, functional specialist course	Operational 300
<b>CIMIC in an Art 5 situation</b>	CIMIC in Article 5. Analysis, Combat Communication and KLE, host nation support	NATO CIMIC Field and Staff Worker Course	All levels 300-400
<b>CIMIC in the Polish-Ukrainian border areas</b>	Host nation support, critical infrastructure, inter-agency collaboration	NATO CIMIC Field and Staff Worker Course	All levels 300-400



## OUTCOME

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- New modules responding to evolving requirements;
- Capacity to design and implement courses within global programming cycle;
- Leveraging strengths of experienced personnel to produce practice-oriented content;
- Repository allowing knowledge transfer from residing as well as external experts;
- Tailor-made solutions;

## IMPLEMENTATION

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All CCOE courses have integrated one or two simulations. Depending on the training audience and specific purpose, the Course Director may choose from alternative modules presenting different topics.

## STATUS

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CIMIC Wargaming, Modelling and Simulation project has been finished in 2020. After that, the simulations have been adapted to cater the individual needs of the target audience as well as new simulations have been developed to assist in training – in house and as MTT.

At end of 2022, a dedicated person was tasked to review and further develop Modelling and Simulation and provide SME support to ensure relevancy and delivery in courses.

Further information can be found at: [Modelling and Simulation \(M&S\) - CIMIC-COE](#).

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