Common Module
Interoperability
Module Description

Implementation Group	
Doc.:	
Date :	
Origin:	SP

Country	Institution	Common Module	ECTS
CZ	**University of Defence**	**Interoperability**	**6.0**

Service **ALL**	**Minimum Qualification for Lecturers**
	Officers or Civilian Lecturers:
Language **English**	• English: Common European Framework of Reference for Languages (CEFR) Level B2 or NATO STANAG Level 3.
	• Experience on a level of staff member in a multinational task force – or – multinational experience
	• Thorough knowledge of multinational operational environment.
	• Thorough knowledge of Command and Control.
	• Thorough knowledge of Small Unit and Formation Tactics.
SQF **MILOF**	**Competence area** - Military service member **Learning area** - Employment of forces - full spectrum operations **Organisation level** - single arm/ branch / single Service

Prerequisites for international participants:	**Goal of the Module**
• English: Common European Framework of Reference for Languages (CEFR) Level B1 or NATO STANAG Level 2. • Basic managerial and leadership competences. • Basic communication and presentation competences. • Awareness of respective national armed forces (organization, mission, C2 etc.) including basic knowledge of roles and capabilities of national military equipment and weapon systems.	• To explain the principles of employing single arm/ branch subunits at the tactical level in cooperation with various forces • To explain the tactics, techniques and procedures specific in support of interoperability of the Land forces within a multinational operational environment.

Learning outcomes	Know-ledge	• Explain specifics of national and multinational military operations and respective principles of troop leading procedure • Define aim and role of command and control according to the national and international requirements.
	Skills	• To apply common standards in troop leading procedures and in the processing of combat documents in the international environment. • Communicate effectively within an international task force team and solve problems at the tactical level.
	R&A	• Develop mutual understanding and trust confidence among international counterparts and their professional networking. • Act and cooperate with confidence in a framework of multinational task force teams.

Verification of learning outcomes
- **Observation**: Throughout the Module students are to discuss given topics within syndicates.
- **Exercise**: Active participation during Computer aided exercise and fulfilling all assigned tasks.

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•	**Evaluation:** Elaborate and defend seminar thesis.

<table>
<tr><td colspan="3" align="center">**Module Details**
(the content is as an example and depend on the course director decision)</td></tr>
<tr><td align="center">**Main Topic**</td><td align="center">**Recom-mended WH**</td><td align="center">**Details**</td></tr>
<tr>
<td>E-learning (IDL)</td>
<td align="center">10</td>
<td>
• In advance preparation before the study:
  o The nature and scope (division) of NATO, EU and UN Operations
  o Command and Control principles and the system
  o The TLP steps and their content
  o Form of orders and reports
  o Joint military symbols and Task verbs
</td>
</tr>
<tr>
<td>Test</td>
<td align="center">1</td>
<td>• If the e-learning does not include tests anyway, the determination of the entry level according to the e-learning outcomes is to be conducted. If this hour is not used it counts to the self-studies hours.</td>
</tr>
<tr>
<td>Military Operations</td>
<td align="center">8</td>
<td>
• The Operational Environment
• Spectrum of Conflict
• The Manoeuvrist Approach
• Land Tactical Activities:
  o Offensive, Defensive, Stability and Enabling
• Combat Power – War Fighting Functions
</td>
</tr>
<tr>
<td>Command and Control</td>
<td align="center">12</td>
<td>
• Command and Control at tactical Level
• Role of Command Authorities (Chain of Command)
• Role of Command Posts
• C2 Processes (detailed in DMP Topic see below)
• Role of Communication and Information Systems
</td>
</tr>
<tr>
<td>Decision Making Process (DMP)</td>
<td align="center">18</td>
<td>
• Battle Command (Understand, Visualize, Describe, Direct)
• Troop Leading Procedures
• Orders and Reports Production according to international standards
• Joint Military Symbols and Task Verbs
</td>
</tr>
<tr>
<td>Tactics</td>
<td align="center">10</td>
<td>
• Combat Unit Organisation
• Weapon Systems and Communication System Capabilities
• Small Unit Tactics in Examples:
  o Movement, Attack to Destroy ENY, Defend to Hold Position
</td>
</tr>
<tr>
<td>Commander´s exercises and SYNEX</td>
<td align="center">34</td>
<td>
• Introductory Briefing
• Receiving of Mission (Higher Commander OPORD)
• TLP – All Phases
• Battle Command – Execution of Tasks (Direct)
• After Action Review
</td>
</tr>
</table>

		Implementation Group
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Total	**93**	

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Additional hours to increase the learning outcomes		
Syndicate work (SW)	12	• To increase the understanding of the context of areas of Interoperability.
Seminar Thesis Elaboration	20	• Elaborate a seminar thesis focused on assigned topic and defend it.
Self-study	25	• Preparation for the upcoming lessons and for exam(s). • Reflection of the topics issued.
Total	**57**	
Total WH	**150**	The amount of hours for the use of the developed e-learning is up to the module director. He/she may replace the e-learning hours/topics with residential phases. The detailed amount of hours for the respective main topic is up to the course director according to national law or home institution's rules.

List of Abbreviations:

AAP .... Allied Administrative Publication

APP .... Allied Procedural Publication

B1, B2 .... Common Reference Levels

C2 .... Command and Control

CEFR .... Common European Framework of Reference for Languages

CZ .... Czech Republic

DMP .... Decision Making Process

ECTS .... European Credit Transfer and Accumulation System

ENY .... Enemy

EU .... European Union

IDL .... Independent Distance Learning

IG .... Implementation group

LU .... Lecture Unit

NATO .... North Atlantic Treaty Organisation

OPORD .... The Operation Order Opord

SP .... The Strategic Partnership

STANAG .... Standardization Agreement

SW .... Syndicate Work

SYNEX .... Synthetic Exercise

TLP .... Troop Leading Procedures

UN .... United Nations

WH .... Working Hour

Annex

to the Common Module Interoperability

The list of literature is not necessarily for students to read it. More likely, it is foreseen for the future Module Directors if they will conduct the semester (or parts of it) to get familiar with the topics.

Literature:

1. NATO Glossary of Terms and Definitions. [AAP-06]. Brussels: NSA, Belgium, 2014.

2. NATO Glossary of Abbreviations Used in NATO Documents. [AAP-15]. Brussels: NSA, Belgium, 2013.

3. NATO Handbook of Land Operations Terminology. [AAP-39]. Brussels: NSA, Belgium, 2012.

4. STANAG 2019 Joint Symbology. [APP-6(C)]. Brussels: NSA, Belgium, 2012.

5. STANAG 2014 Formats for Orders and Designation of Timing, Location and Boundaries. Brussels: MAS, Belgium 2000.

6. STANAG 2287 Task Verbs for Use in Planning and the Dissemination of Orders. Brussels: NSA, Belgium, 2006.

7. Allied Joint Doctrine for The Conduct of Operations. [AJP-3(B)]. Brussels: NSA, 2011.

8. Allied Joint Doctrine for Land Operations. [AJP-3.2]. Brussels: NSA 2009.

9. Operations. [FM-3.0]. Washington: HQ department of the Army,

10. The Operations Process. [FM 5-0]. Washington: HQ department of the Army, 2012.

11. Commander and Staff Organization and Operations. [FM 6-0]. Washington: HQ department of the Army, 2014.

12. Unified Land Operations. [ADRP 3-0]. Washington: HQ department of the Army, 2012.

13. The Operations Process. [ADRP 5-0]. Washington: HQ department of the Army, 2012.

14. Mission Command. [ADRP 6-0]. Washington: HQ department of the Army, 2012.

15. Allied Land Tactics. [ATP 3.2.1]. Brussels: NSA, 2009.

16. Command and Control of Allied Land. [ATP 3.2.2]. Brussels: NSA, 2009.

17. Commander and Staff Officer Guide. [ATTP 5.0.1]. Washington: HQ department of the Army, 2011.

18. Mechanized Infantry Platoon and Squad [FM 3-21.71]. Washington: HQ department of the Army,

19. The SBCT Infantry Rifle Platon and Squad [FM 3-21.9]. Washington: HQ department of the Army, 2002.

20. The SBCT Infantry Company [FM 3-21.11]. Washington: HQ Department of the Army, 2003.

21. Small Unit Tactics. [SMARTBOOK]. The Lighting Press. 2013. ISBN:978-1-935886-0

22. Urban Operations Tactical Handbook [Vol. I]. NATO Urban Working Group, 2008.