

European initiative on the exchange of young officers inspired by Erasmus

Users' Guide

for

Workloads' Calculation

of

Non-Academic Basic Officer Education

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1. Introduction

- 1.1 This Users' Guide provides guidelines for implementation and use of workloads' calculation of non-academic basic officer education.
- 1.2 This Users' Guide was developed by the Implementation Group of the European initiative on the exchange of young officers inspired by Erasmus using the name Line of Development 1 (LoD1).
- 1.3 The guidelines were finalized under Swedish Presidency of the European Union in Stockholm in November 2009 and revised during an Implementation Group Meeting in Larnaca/Cyprus in September 2010.
- 1.4 This Users' Guide shall be used for modules during the basic or initial officer training outside existing academic systems (Annex 1).
- 1.5 This Users' Guide shall be used at least for those Modules outside existing academic systems which a Member State of the European Union offers for international participation (Annex 2).
- 1.6 If a Member State of the European Union includes military or vocational training in its academic system, this Users' Guide shall not be used. Existing academic systems remain untouched.
- 1.7 If a Member State of the European Union calculates all the military or vocational training according to this Users' Guide it is national responsibility.
- 1.8 If a Member State of the European Union calculates all the own military or vocational training which takes place after the basic or initial officer training according to this Users' Guide it is national responsibility.
- 1.9 The calculations shall express the workload of a certain Module. Additional to the workload there shall be expressed: Prerequisites, knowledge, skills and competences of a Module (definitions: Annex 3) using a certain form (Annex 4a and Annex 4b). Elaborations of Line of Development 2 (comparison of courses based on competences) will be included or will replace that form when LoD2work will be finalized.

2. Purpose

- 2.1 Following calculations of this Users' Guide it will give a better overview for comparison of workloads of military or vocational training held during basic or initial officer training outside of academic systems.
- 2.2 This Users' Guide shall facilitate the use as a tool for mutual recognition.
- 2.3 Recognition of workloads acquired abroad will remain home-institutions' responsibility. If a Member State of the European Union recognises workloads for its own vocational/ military training or for the academic education it is home-institutions' responsibility.
- 2.4 Member States of the European Union (sending institutions) shall avoid "double training" whenever possible. In principle trainees shall be sent abroad to those Modules only which can be recognised at the home-institution.

3. Calculation

- 3.1 Calculations shall be equal in each Member State of the European Union to be comparable.
- 3.2 Calculations shall follow the principle of ECTS-calculation with reference to the Bologna-Model.
- 3.3 Calculations shall include the real workflow of an estimated average for selfstudies.
- 3.4 If an exam takes place in an offered Module, the necessary working hours shall not be included into the calculation.
- 3.5 If there is a need for administration hours within a Module (e.g. transportation from airports, registration,) these hours shall not be included into the calculation.
- 3.6 1 (one) working hour (WH) equals 60 minutes.
- 3.7 Calculation:
 - All the necessary working hours for one Module should be added up. Necessary self-study working hours are to be included (see par. 3.3).
 - Institutions may multiply the calculated working hours with factors to express the echelon and the used language.
 - The result is the amount of working hours for one Module; or in other words: the "workload" (WL).
 - The workload shall be expressed with full working hours. If the calculation results in decimal places, it is to round up or to round down.
 - For the purpose of transparency all the calculations shall be described within the Module description (see Annex 4a page 2).

4. Factors

- 4.1 The amount of working hours can be multiplied with factors to take the level of training and the used language into account (examples see Annex 6).
- 4.2 Factors shall encourage Member States of the European Union to provide more education and training opportunities in another language than the mother tongue.
- 4.3 Factors shall favour the international and mobility dimension.
- 4.4 Factors can be integrated into the calculation by the host-institution in reference to the host-institution's overall training goal (e.g: host-institution's overall training goal is Platoon-level, the offered Module is on Platoon-level, and therefore working hours are to multiply with 1.00 which is no change).
- 4.5 The home-institution can include factors in reference to the own overall training goal after trainees will have returned. Including those factors is home-institution's responsibility (e.g.: Trainees return from a Module described in par. 4.4; the home-institution's training goal is Squad-level, and therefore the working-hours are to multiply with 1.25 because of being 1 level higher than the own overall training goal).
- 4.6 If using factors the following factors shall be used:
 - Training-level (listed for Army. Other Services are to use equivalent level).

Level	Multiplier
Personal or Team	0.50
Squad	0.75
Platoon	1.00
Company	1.25
Battalion	1.50

• Language:

Language	Multiplier
Mother tongue	1.00
Other language than mother tongue	1.25

5. Quality Assurance

- 5.1 Calculations of workloads are to be implemented by national institutions (Military Universities, Military-, Naval-, Air Force Academies or equivalent, Applications Schools) of Member States of the European Union by themselves.
- 5.2 For the purpose of implementing calculations of workloads in time, EQF, NQF or any accreditation system shall not be used yet.
- 5.3 So far the following quality assurance methods shall be used:
 - Each module offered for international participation shall be described with prerequisites, knowledge, skills and competences using the same form (Annex 4a and Annex 4b). Including the work of LoD2 see par. 1.9.
 - The qualification of instructors / teachers for the respective Module shall be described.
 - How to carefully examine the learning outcome shall be described.
 - It is up to national institutions to send observers or instructors to Modules abroad.
 - Trainees may place an evaluation report onto the EMILYO-homepage.
 - On a regular basis a report is to hand over to ESDC, as proposed by LoD5 (develop supporting mechanisms). This report can be seen as a Moduleevaluation.
- 5.4 If any other quality assurance methods shall be integrated in a further stage it requires the consensus of the Implementation Group.

Frame for the use of workloads' calculation (in general)

Examples for different officer education systems



Frame for the use of workloads' calculation (in detail)

1st step of implementing workloads' calculation



Definitions¹

Learning outcomes	"Learning outcomes" means statements of what a learner knows, understands and is able to do on completion of a learning process,
oucomes	which are defined in terms of knowledge, skills and competences.
	"Prerequisites" means what a trainee should know before the Module starts. Prerequisites will be different from Module to Module and from Nation to Nation,
Prerequisites ²	prerequisites shall be described with a number of years how long trainees have been educated in the own system at least. Describing additional prerequisites is responsibility of the host- institution which offers Modules for international participation.
Knowledge	"Knowledge" means the outcome of the assimilation of information through learning. Knowledge is the body of facts, principles, theories and practices that is related to a field of work or study. In the context of the European Qualifications Framework,
	knowledge is described as theoretical and/or factual.
	"Skills" means the ability to apply knowledge and use know-how to complete tasks and solve problems. In the context of the European Qualifications Framework,
Skills	skills are described as cognitive (involving the use of logical, intuitive and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments).
Competence	"Competence" means the proven ability to use knowledge, skills and personal, social and/or methodological abilities, in work or study situations and in professional and personal development. In the context of the European Qualifications Framework,
	competence is described in terms of responsibility and autonomy.
	"Level" means the military echelon,
Level ³	level is described with a hierarchic classification of military leadership following organizational point of views (e.g: Team, Squad, Platoon, Company, Battalion or equivalent echelons in other services).

 ¹ According to: The European Qualifications Framework for Lifelong Learning (EQF); Annex I.
 ² Own definition, it is not defined in EQF.
 ³ Own definition, it is not defined in EQF.

Annex 4a

Goal of the Module Learning basic branch-independent

leadership skills for Peace Support

Operations (PSO) on Platoon Level. To reach that goal the model of a

Platoon within the frame of a

Company is used.

motorised and/or mechanized Infantry

Form for a Module description (page 1) Example (important parts are highlighted in blue)

Country	Institution	Module	Workload
Austria	Theresan Military Academy	Course for PSO (Module D)	119 WH

Level	Minimum Qualification of Instructors
Platoon	Officers:
	 English: Common European Framework of Reference for Languages (CEFR) Level B2 or NATO STANAG Level 3,
	 Company Commander of Infantry, mechanized Infantry or Reconnaissance branch,
Language	 at least 1 PSO-mission abroad.
English	Non-Commissioned Officers:
	 English: Common European Framework of Reference for Languages (CEFR) Level B1 or NATO STANAG Level 2,
	 Platoon Leader or Company Sergeant Major of Infantry, mechanized Infantry or Reconnaissance branch,
	 at least 1 PSO-mission abroad.

Prerequisites for	international	participants	

 English: Common European Framework of Reference for Languages (CEFR) Level B2 or NATO STANAG Level 2,

• at least 2 years of national military education,

• <u>basic</u> knowledge of PSO-TTP (Tactics, Techniques and Procedures) such as checkpoints, patrolling, convoy, ...,

basic knowledge of radio communication in English

outcomes	Know- ledge	• Detailed knowledge about leadership principles, tactics and techniques and use of force in PSO within an international environment.
_	Skills	 Train and supervise trainees on Squad- and Platoon-level
Learning	Compe- tences	Act as a platoon leader in PSO

Form for a Module description (page 2)

Example

- Verification of learning outcomes
- Mid course exam:
 - At the end of the first week or at the beginning of the second week.
 - Course director is to test trainees about the content of the first week.
 - The type of the exam is up to the course director.
- Observation:
 - During the whole course trainees are to observe and are to be evaluated during practical execution of in advance theoretical learned topics.
- Final exam:
 - On the last day of the course trainees have to absolve a final oral exam in front of a commission (Commander Cadets' Corps, 2 Officers who are responsible for the course)

Course details				
Торіс	Working Hours	Details		
		 Lead of a Platoon as Platoon Leader / Deputy Platoon Leader in a PSO-scenario using principles of war. 		
Leadership in	6.5	 Execution of Military Decision Making Process (MDMP) on Platoon level. 		
general	010	Execution of terrain orientation.		
		Issuing and implementation of orders.		
		• Faculty to write reports (patrol report, incident report,)		
Rules of Engagement	4.0	Use of ROE for PSO on Platoon level.		
TTP / PSO	50.0	Execution of TTP in PSO on Platoon level (field exercise)		
Negotiations	7.0	Intended use of negotiation norms.		
Media awareness	3.0	Specific use in dealing with media.		
Mine awareness	7.0	 Realization of the danger of mines and IEDs in mission areas and take correct actions. 		
Supply and	olv and	 Issue of orders and actions taken referring to supply on Platoon level 		
communication	12.5	 Issue of orders and actions taken referring to communication on Platoon level. 		
Total	90			

Workload's calculation

- Total amount = **90 WH**.
- Estimated average of self-studies = **5 WH**.
- 90 WH + 5 WH = **95 WH**.
- Course is on Platoon level → factor 1.00 → 95 WH x 1.00 = 95 WH (no change).
- Course is in English (not native language) → factor 1.25 → 95 WH x 1.25 = 118.75 WL.
- The result is to round up: $118.75 \rightarrow 119$.
- Workload (WL) for the Module is 119 working hours (WH).

Annex 4b

Empty form for a Module description (page 1) Example (important parts are highlighted in blue)

Country	Institution	Module	Workload
			??? WH

Level	Minimum Qualification of Instructors
	•
Language	

Prerequisites for international participants	Goal of the Module
•	

outcomes	Know- ledge	•
	Skills	•
Learning	Compe- tences	•

Empty form for a Module description (page 2)

Example

Verification of learning outcomes

Working Hours	
Hours	Details
	•
	•
	•
	•
	•
	•
	•

•

Workload's calculation

Calculating working hours

Examples



Total: 24 WH (working hours)



Calculating Factors

Examples

Factors (Training level is listed for Army-echelons; other services are to use equivalent level):

Training Level	Multiplier
Personal or Team	0.50
Squad	0.75
Platoon	1.00
Company	1.25
Battalion	1.50

Language	Multiplier
Mother tongue	1.00
Other language than mother tongue	1.25

Host-institution:

- 1. The **host**-institution calculates the working hours for a Module.
- 2. The **host**-institution multiplies the working hours with a training level factor according to the own (national) training goal for the overall basic officer education.
 - a. Example 1: The own training goal is Platoon level; the offered Module is on Platoon level → use factor 1.00 (no change).
 - b. Example 2: The own training goal is Squad level; the offered Module is on
 Platoon level → use factor 1.25 (1 step higher).
 - c. Example 3: The own training goal is Squad level; the offered Module is on
 Company level → use factor 1.5 (2 steps higher).
 - d. Example 4: The own training goal is Company level; the offered Module is on Squad level → use factor 0.5 (2 steps lower).
- 3. The result of the training level calculation can be multiplied with the language factor by the **host**-institution.
 - a. Example 1: The Module is offered in native language → use factor 1.00 (no change).

- b. Example 2: The guest trainee has to talk in a foreign language (not a native language for him/her) → use factor 1.25 (only for guest trainees!)
- c. Example 3: All the trainees have to talk in a foreign language → use factor 1.25.
- d. Example 4: Most of the trainees have to talk in a foreign language (e.g.: in English) → use factor 1.25 for them. For some of the guest trainees English is their native language → use only for them factor 1.00.

Home-institution:

- 4. The **home**-institution compares the level of the own overall training goal for basic officer education with the level written in the form for a Module description (see Annex 4a).
- 5. The **home**-institution can include again the **training level factor**.
 - a. Example 1: The Module offered abroad is on Platoon level; the own training goal is on Platoon level → use factor **1.00** (no change).
 - b. Example 2: The Module offered abroad is on Platoon level; the own training goal is on Squad level → use factor 1.25 (because the value is 1 step higher than the own training goal).
 - c. Example 3: The Module offered abroad is on Platoon level; the own training goal is on Company level → use factor 0.75 (because the value is 1 step lower than the own training goal).
 - d. Example 4: The Module offered abroad is on Team level; the own training goal is on Company level → use factor 0.25 (because the value is 3 steps lower than the own training goal).

For better transparency of calculations the different steps of calculations for a respective Module **are to be described in the form for a Module description** (see Annex 4a – page 2).

Annex 7a

Proposal for an application form

Example for the purpose of easier administration of incoming trainees

Remarks: - Please fill in yellow fields only					I want to participate Module (please fill in name of the Module below)					
 Fill in 1 form for 1 person When ready, send this application form to:<u>abcdefg@eu.com</u> 					Course for PSO (Module D)					
Arrival at Arrival at <i>"name"</i> Airport <i>"name"</i> location		n Oth	Other		Dn (arrival da	ate)		rrival vailab	time [if le])	
	X				1	4 Mar, 20	10	1	500 I	hrs
	ure from "Airport	Departure fror "name" locatio		ər	On	(departure	date)		oartur vailab	e time [if le])
			X	,	2	28 Mar, 20	10	0	900 I	hrs
Male	Female	Rank			Family name		First name		ame	
Χ		Cadet (Cdt)			ABECIDOF		Guhaj		aj	
	Date of birth Nationality 01 Mar, 1987 UNITED KING					Passport validity until 24 Dec, 2018				
	Branch of Service (if available) Ser Army – Infantry Royal M			Milit	g institu ary A dhur	cademy	l v Studen X	vant to pai		ite as Observer
N	My phone number (if available) +44-123-456789						/ e-mail a abecid	address of@co.	uk	
	Special dietary or food requirements due to medical or religious reasons No Yes Du			If yes, please specify food you cannot eat ue to religious reasons I am not allowed to eat pork						
X										

Additional remarks (need for special equipment, special travel arrangements,) I would need rain protection, departure from *"name"* I will arrange on my own.

	If you are not the point of contact (POC) or if more than one person will participate from your country please fill in POC's data below (if you are the POC please fill in your data again)					
Male Female Rank Family name First name					First name	
	Χ	Мај	KELIMON Puqaresi			
	Р	OC's phone r	number	POC's e	e-mail address	
+44-987-654321						

Annex 7b

Proposal for an empty application form

Example for the purpose of easier administration of incoming trainees

	yellow fields only		I want to participate Module (please fill in name of the Module below)		
	for 1 person , send this applica	tion			
Arrival at Arrival at Other		Other	On (arrival date)	At (arrival time [if available])	
Departure from	Departure from	Other	On (departure date)	At (departure time [if available])	

Male Femal	e Rank	Family name	First name

Date of birth	Nationality	Passport number	Passport validity until

Branch of Service (if available)	Sending institution	l wa	nt to participa	ate as
		Student	Instructor	Observer

My phone number (if available)	My e-mail address

	food requirements religious reasons	If yes, please specify food you cannot eat
No	Yes	

Additional remarks (need for special equipment, special travel arrangements,)

If you are not the point of contact (POC) or if more than one person will participate from your country please fill in POC's data below (if you are the POC please fill in your data again)							
Male	Female	Rank	Family name		First name		
POC's phone number				POC's e-mail address			

Annex 8a Annex 8b

The next 2 pages are proposals for

a certificate which trainees are handed over after having participated

in an event within the exchange programme



Theresan Military Academy

AUSTRIA



European initiative on the exchange of young officers inspired by Erasmus

Certificate of Achievement

valid for 119 Working Hours

Cadet ABECIDOF Guhaj

passed the

Officer Cadets' Course for Peace Support Operations (Module D)

Wiener Neustadt, the 30th of March, 2010

Course Director:

Head of Institute:

(LAMPL, Maj)

(Mag. PICHLKASTNER, BrigGen)

Name of Host-Institution

COUNTRY



European initiative on the exchange of young officers inspired by Erasmus

Certificate of Achievement

valid for ??? Working Hours

Rank SURNAME First Name

passed the

Name of Event Name of Event Name of Event (other Name of Event)

City, the DD of MMMM, YYYY

Course Director:

Head of Name:

(SURNAME, Rank)

(SURNAME, Rank)

List of abbreviations

ECTS	European Credit Transfer and Accumulation System
EQF	European Qualifications Framework
EMILYO	Exchange of MILitary Young Officers
ESDC	European Security and Defence College
EU	European Union
IED	Improvised Explosive Device
IG	Implementation Group
LoD	Line of Development
MDMP	Military Decision Making Process
NCO	Non Commissioned Officer
NQF	National Qualifications Framework
000	Officer Cadet Course
PSO	Peace Support Operation
ROE	Rules of Engagement
STANAG	Standardization Agreement
TTP	Tactics, Techniques and Procedures
WH	Working Hours (1 WH = 60 Minutes)
WL	Workload

EOT