

Tactics for the Field Artillery

Introduction to the subject study



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Introduction to the subject study

Basic and recommended reading:

Basic

Pub-31-10-01. *Pozemní síly v operacích*. Odbor doktrín Vyškov: VeV-VA, 2011. 294 s. – kapitola 7.

Pub-35-14-01. *Bojové použití dělostřelectva*. Vyškov: Odbor doktrín VeV-VA, 2013. 203 s. – kapitola 1.1 a 2.

AArtyP-5(A). *NATO Indirect Fire System Tactical Doctrine (STANAG 2484)*. NSA, 2011. – Chapter 2

Recommended

Bílá kniha o obraně. 1. vydání. Praha: MO ČR-OKP, 2011. 168 s. ISBN 978-80-7278-564-3

Introduction to the subject study

Educational objective:

To define place of the subject within the module program study, its content, importance, course organization, basic learning materials and learning outcomes validation methods. Basic information on the ACR artillery organization, equipment and perspectives

Introduction to the subject study

Content:

- 1) Place, the meaning, and content of the Tactics for the Field Artillery course
- 2) Organization of teaching and validation of learning outcomes
- 3) Basic study literature
- 4) Field artillery characteristics, its place and role

1) Place, the meaning, and content of the Tactics for the Field Artillery course

T FA - Tactics for the Field Artillery

- is focused on principles of combat use of the field artillery and implementation of C2 over FA units in the framework of fire support
- platoon, battery, and up to artillery battalion staff level
- provides principal guidance on effective combat employment of the field artillery units in different tactical situation, ranging from an attack, defence to non-combat operations
- requires solid and consolidated knowledge of gunnery principles, target acquisition, topography ect., and the combined arms combat tactics on the at least battalion level

2) Organization of teaching and validation of learning outcomes

The course is to be run in two terms, no. 7 and 8;

- validation of learning outcomes:
 - **7th term** – credit (2 ECTS) – individual, based on written examination and hand over incl. follow on presentation of paper study on the history of artillery;
 - **8th term** – exam (4 ECTS) – individual, oral, at the end of the term.

3) Basic study literature

ACR provisions and doctrinal publications (in Czech only)

- *Doktrína Armády České republiky*. 3. vydání. Praha: MO, 2013. 158 s.
- Pub-31-10-01. *Pozemní síly v operacích*. Vyškov: O.doktrín VeV-VA, 2011. 294 s.
- Pub-31-10-02. *Taktika pozemních sil*. Vyškov: O.doktrín VeV-VA, 2011. 337 s.
- Pub-35-11-01/02/03 *Taktika družstva/čety/roty*. Vyškov: Správa doktrín ŘeVD, 2008.
- Pub-35-14-01. *Bojové použití dělostřelectva*. Vyškov: O.doktrín VeV-VA, 2013. 203s.
- Pub-74-14-01. *Pravidla střelby a řízení palby*. Vyškov: Sp.doktrín ŘeVD, 2007. 256 s.

3) Basic study literature

NATO STANAG publications

- AArtyP-5(A). *NATO Indirect Fire System Tactical Doctrine (STANAG 2484)*. NSA, 2011.
- AArtyP-1(A). *Artillery Procedures (STANAG 2934)*. NSA, 2004.
- APP 6(C). *NATO Joint Military Symbolology (STANAG 2019)*. NSA, 2011.
- AAP-6, *NATO Glossary of Terms and Definitions (STANAG 3680)*, NSA, 2007.
- STANAG 2014. *Formats for Orders and Designation of Timings, Locations and Boundaries*, NSA, 2000.

4) Field artillery characteristics, its place and role - field artillery

- Field artillery (FA) belongs to Land forces, namely to its **Combat Service (CS)** element.
- FA principal role is to provide **Fire Support** for combat units and formations in the conduct of all types of military operations.
- FA main task is to engage (eliminate) enemy targets by **indirect fire**.

4) Field artillery characteristics, its place and role - field artillery

FA presents **Indirect Fire System (IFS)** of several components (sub-systems):

- Surveillance, Target Acquisition, STA,
- Command, Control and Information System, C2IS,
- Delivery Platforms,
- Munitions,
- Ammunition Resupply System.

4) Field artillery characteristics, its place and role - place and role of the ACR Artillery

- it is an **Army branch** of arms, belongs to **CS element** of Land Forces,
- **tube** artillery and **mortar** units,
- **fire support** to combat units – lethal as well as non-lethal fires,
 - direct support tasks mainly,
 - counter-battery fires and general support tasks,
 - C-RAM (connectivity).

4) Field artillery characteristics, its place and role - commanding and organization structures

- ACR Artillery directing and fire support officers
 - General Staff, maneuver brigades and battalions, schools
- 13th Artillery regiment
 - organization structure
- mortar units
 - emplacement and organization structure

4) Field artillery characteristics, its place and role - armament

Effectors

- 152mm SpGH mod. 77
- 120mm M mod. 82 PRAM-L
- 120mm M mod. 85 PRAM-S

4) Field artillery characteristics, its place and role - armament

Sensors

- IPzS LOS (Light observation system – TA tracked)
- PzPK SNEZKA (Battlefield surveillance and radar system – TA tracked)
- LOV-Pz (Light observation vehicle – TA wheeled)
- PzPK (Combined recce and observation system – TA for dismounted ops)
- ARTHUR (Artillery Hunting Radar – TA CBT or C-RAM)

Introduction to the subject study

Tasks for individual work:

- 1) Define FA as the Indirect Fire System
- 2) Characterize ACR artillery, its place, role and division
- 3) Discuss directing a FSO place and role within the Army structures
- 4) Discuss the organization structure of 13th AR and mortar units
- 5) Explain meaning of “effector” and “sensor”
- 6) Introduce basic characteristics and TTD of sensors and effectors ACR artillery
- 7) Discuss the FA trends of development in terms of the ACR artillery needs and perspectives.