



HRVATSKI CENTAR ZA RAZMINIRANJE

**TRAINING OF PERSONNEL PARTICIPATING
IN HUMANITARIAN DEMINING OPERATIONS
IN THE REPUBLIC OF CROATIA**

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TRAINING OF PERSONNEL PARTICIPATING IN HUMANITARIAN DEMINING OPERATIONS IN THE REPUBLIC OF CROATIA



- **The aim of deminer safety measures is to avoid, eliminate or reduce identified and unacceptable risks that can appear during the conduct of humanitarian demining**
- **Well-trained and educated staff represents the basis for the insurance of preventive deminer safety measures.**

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- The basic aim of training of personnel participating in humanitarian demining operations is to ensure quality education in order to obtain expert knowledge and skills needed for the independent, competent, efficient and prior to all, safe conduct of humanitarian demining.
- Therefore, we give a great importance to the training of personnel participating in humanitarian demining in the Republic of Croatia.

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✦ NORMATIVE REFERENCES

Training and education of personnel participating in humanitarian demining operations in the Republic of Croatia is conducted by the Ministry of Interior, Police Academy in accordance with:

- ✦ Law on Humanitarian Demining (“Official Gazette” no. 153/05, 63/07 and 152/08)
- ✦ Book of Rules and Regulations on Training and Professional Exam of Humanitarian Demining Personnel (2007)

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Education and training of personnel participating in humanitarian demining operations in the Republic of Croatia covers:

- ✦ BASIC TRAINING FOR DEMINERS
- ✦ ADDITIONAL TRAINING FOR DEMINERS
- ✦ BASIC TRAINING FOR AUXILIARY WORKERS
- ✦ BASIC TRAINING FOR WORKSITE LEADERS
- ✦ BASIC TRAINING FOR QA OFFICERS
- ✦ BASIC TRAINING FOR QC MONITORS

Training and education programs should be verified by the Ministry of Science, Education and Sports

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BASIC TRAINING FOR DEMINERS



Basic training for deminers consists of theoretical and practical part and lasts for 273 teaching hours out of which 137 hours for the theoretical part and 136 for the practical part.

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BASIC TRAINING FOR DEMINERS

Curriculum		No. of teaching hours
I THEORETICAL PART		
II Subject		137
1.	Explosive substances	10
2.	Means for ignition of explosive charges	5
3.	AP mines	5
4.	AT mines	5
5.	Special detonators	8
6.	Systems of placing minefields and groups of mines	3
7.	Systems of demining of minefields and groups of mines	4
8.	S&OH measures	4
9.	Ammunition	18
10.	Airborne projectiles	8
11.	Seaborne mines	4

BASIC TRAINING FOR DEMINERS

Curriculum		No. of teaching hours
I THEORETICAL PART		
II Subject		137
12.	Commando-terrorist devices	8
13.	Maintenance and storage of explosive ordinances	4
14.	Destruction of explosive ordinances	4
15.	Manual mine detection	8
16.	Use of demining machines	6
17.	Use of MDDs	3
18.	Method of conducting demining operations	5
19.	Worksite organization	6
20.	Law on Humanitarian Demining	3
21.	First Aid	8
22.	Stress prevention in humanitarian demining	8

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BASIC TRAINING FOR DEMINERS

Curriculum		No. of teaching hours
I PRACTICAL PART		136
II Subject		
1.	Individual ignition of explosive charge	8
2.	Preparation of ignition grids	8
3.	Demining of AP mines (mines used for training)	16
4.	Demining of AP mines (mines used for combat purposes)	8
5.	Demining of AT mines (mines used for training)	16
6.	Demining of AT mines (mines used for combat purposes)	8
7.	Removal of booby-traps and improvised mines	8
8.	Individual and group destruction of explosive ordinances and substances	8
9.	Organization of terrain search	30
10.	Airborne projectiles	8
11.	First aid	18
Ukupno:		273

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ADDITIONAL TRAINING FOR DEMINERS

Deminers who have not been conducting demining operations in the uninterrupted period of two years are obliged to attend the additional training. It consists of theoretical and practical part. The training lasts for 78 teaching hours out of which 48 hours cover the theoretical part and 30 hours cover the practical part.

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BASIC TRAINING FOR AUXILIARY WORKERS

Curriculum		No. of teaching hours
I THEORETICAL PART		40
II Subject		
1.	Explosive substances	2
2.	Substances for ignition	2
3.	AP mines	2
4.	AT mines	2
5.	Special detonators	2
6.	Ammunition	2
7.	Airborne projectiles	2
8.	Demining methods and techniques	10
9.	Organization of demining worksite	3
10.	Law on Humanitarian Demining	2
11.	Method of Conducting Humanitarian Demining	3
12.	First aid	8

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BASIC TRAINING FOR WORKSITE LEADERS

Curriculum		No. of teaching hours
I THEORETICAL PART		<u>26</u>
II Subject		
1.	Measures of deminer safety	2
2.	Law on Humanitarian Demining	2
3.	Mines and explosive ordinances	4
4.	Worksite organization	4
5.	Rules and Regulations on the Conduct of Humanitarian Demining and Record Keeping	5
6.	Basics of topography	6
7.	Equipment for humanitarian demining	3

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BASIC TRAINING FOR WORKSITE LEADERS

Curriculum		No. Of teaching hours
I PRACTICAL PART		14
II Subject		
1.	Practice – worksite organization	8
2.	Destruction and removal of mines and UXO (mines used for training)	6
Ukupno:		40

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BASIC TRAINING FOR QUALITY ASSURANCE OFFICER

Curriculum		No. of teaching hours
I THEORETICAL PART		32
II Subject		
1.	Measures of deminer safety	2
2.	Law on Humanitarian Demining	3
3.	Worksite organization	4
4.	Rules and Regulations on the Conduct of Humanitarian Demining and Record Keeping	4
5.	Basics of management and guidance	2
6.	Quality assurance	4
7.	Basics of topography and GIS	8
8.	Equipment for humanitarian demining	5
II PRACTICAL PART		8
1.	Practice – worksite organization	8
Total:		40

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BASIC TRAINING FOR QUALITY CONTROL MONITOR

Curriculum		No. of teaching hours
I THEORETICAL PART		32
II Subject		
1.	Measures of deminer safety	3
2.	Mines and explosive ordinances	8
3.	Worksite organization	5
4.	Rules and Regulations on the Conduct of Humanitarian Demining and Record Keeping	5
5.	Basics of topography and GIS	6
6.	Quality control	2
7.	Equipment for humanitarian demining	3
II PRACTICAL PART		8
1.	Practice – worksite organization	8
Total:		40

TRAINING OF PERSONNEL PARTICIPATING IN HUMANITARIAN DEMINING OPERATIONS IN THE REPUBLIC OF CROATIA

PROFESSIONAL EXAM

The candidate is free to take the professional exam after the completion of basic training. In some cases, the Croatian war veterans, personnel of the Ministry of Interior that passed at least six months working on demining operations i.e. as auxiliary workers and persons that successfully passed the anti-explosion course – part I (specialization) are allowed to take the professional exam for deminers i.e. auxiliary workers without having to pass the regular training.

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PROFESSIONAL EXAM

- Testing Committee for candidates "deminers" consists of the chairman and four members and deputy members. The chairman and his deputy are appointed among the Police academy personnel. Members and their deputies are appointed among training personnel.
- Testing Committee for candidates "auxiliary workers", "worksite managers", "QA Officer" and "QC Monitors" consists of the chairman, two members and their deputies. The chairman and deputy chairman are appointed among the Police academy personnel. Members and their deputies are appointed among training personnel.
- Decision on the appointment of Testing Committee members specifies which topics the chairman, Committee members and their deputies shall be tested.

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The results at the test are graded as "passed" or "did not pass". The candidate is awarded the grade "passed" if he/she showed the satisfying level of knowledge (results) at the theoretical part of the basic exam and if he/she did all the tasks required and showed the necessary level of independence during the individual work at the practical part of the exam. The candidate who does not meet the criteria at the practical part is obliged to take the entire basic test all over again.

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PROGRAMME OF BASIC TRAINING FOR AUXILIARY WORKERS



REPUBLIKA HRVATSKA
MINISTARSTVO UNUTARNJIH POSLOVA
RAVNATELJSTVO POLICIJE
POLICIJSKA AKADEMIJA

Na temelju članka 33. stavka 4. Zakona o humanitarnom razminiranju («Narodne novine» broj 153/05.) Policijska akademija Ministarstva unutarnjih poslova izdaje

UVJERENJE
O POLOŽENOM STRUČNOM ISPITU ZA
PIROTEHNIČARA

IME I PREZIME

rođen/a _____ godine, u _____,
država *Republika Hrvatska*, državljanin *Republike Hrvatske*, položio/la je _____ godine, stručni ispit za pirotehničara pred Ispitnim povjerenstvom Ministarstva unutarnjih poslova.

Broj: _____
Zagreb, _____

NAČELNIK

The candidate who passed the professional exam is issued the Certificate on the professional exam passed by the Ministry. The Certificate is issued for the following exams passed: for deminers, auxiliary workers, worksite leaders, QA Officers and QC Monitors. The Certificate is a public document and is entered into the employment book.

CONCLUSION

SAFETY

SAFETY

**EDUCATION –
TRAINING**





Croatian Mine Action Centre

THANK YOU FOR YOUR ATTENTION !

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