

On the design and implementation of a specific Radiological/Nuclear training curriculum for police officers

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Police officers from regular patrol units are most frequently

the first-responders to the scenes of terrorist attacks.

- Lack of preparation, knowledge, skills and equipment
- Need to detect and identify threats, secure the scene and participate in subsequent rescue operations.
 - Few comprehensive training courses exists at this level
 - Specialized training material exist, but rather for specialized units



Project aim and objectives

ERASMUS + Project (coordinator: University of Lodz, Poland)

Aim

- Create a modern, multidisciplinary CBRN training curriculum and training materials
- Dedicated to (front line) police officers
- Universally applicable in all EU Member States

Objectives

- Exchange and spread good practice in CBRN threats
- Meet the demand for safe, responsible and effective behavior of police officers on the scene of intentionally induced incident
- Create a fit-for-purpose curriculum and pilot the training course



Project approach

- Five partners in 3 different countries (PL, BE, CY)
- Multidisciplinary team of experts in
 - CBRN
 - Educational methods





NEEDS ANALYSIS

- Study visits: Nuclear/chemical research centres; municipal crisis management and emergency center; mobile command post (police); police, fire/rescue and paramedic school, local police
- Sharing experience and good practice via discussion groups
- Creating an overview of actual level of knowledge, skills and awareness with regard to CBRN in PL, BE, CY

DESIGN AND DEVELOPMENT

- Learning outcomes for desired competences
- Training content shaped according to learning outcomes
- Training scheme developed including preferred training method, estimated time and resources



Systematic approach to training

IMPLEMENTATION

- Train-the-trainers
 - Focus on didactic and pedagogical skills
 - Applying the systematic approach to training
- CB+RN training programme
 - On different locations in PL and BE
 - Modular approach (knowledge, reporting, actions on scene, practical)
 - Theoretical lectures and practical exercises (table top, role play, scenario's,...)
 - Focus on learning by doing (experiential learning)
- Local dissemination of training courses
 - By trained trainers



EVALUATION

- Level 1 evaluation of the training format ('did they like it?')
 - 'happy sheets' evaluation forms & discussion after each pilot training
- Level 2 evaluation of the training content ('did they learn it?')
 - Summative assessment of knowledge via MP tests during and after the course (including interactive polling)
 - Formative assessment of skills and behavior via practical cases
- Level 3 evaluation of behavior ('did they use it?')
 - Local dissemination training courses under observation of project partners
- Level 4 evaluation of results ('did it impact job performance?')
 - Training has been put into practice during a real incident



CBRN training programme Modular approach

Module KNOWLEDGE

- Situational awareness
- Protection
- Lessons learnt from history

Module REPORTING

- Describing the hazards and the scene
- Model situation report
- Module DUTIES AT THE SCENE
- Risk identification
- Quick situation assessment
- Actions at a scene
- Interaction with emergency services

Module PRACTICAL







Concluding remarks

- Developed training programme is being fully implemented by the local police (of Antwerp)
- Challenge to find a balance between the time needed to train the basics, and the allocated available time slots for this audience
- During a real incident, those responding had received the training and acted accordingly
- A strong need exist to prepare all first responders (not only police officers) so that a common operational standard is shared



Towards a European approach with a harmonized curriculum...

MELODY (ISF-Police Action Grant)

(Coordinator: Carlos Rojas Palma, SCK•CEN)

Aim: A harmonised CBRN training curriculum for first responders and medical staff

Methods:

Consultation of existing training courses (including training material and facilities)

- Correct and modify according to the end-users needs
- Demonstration and dissemination activities (including full-scale exercises including all levels, from practitioner to policy maker)
- 10 key national institutes involved from BE, NL, FI, FR, HU, IT, PL, SE & SK

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- Belgian Nuclear Research Centre SCK•CEN
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- CARDET
- Antwerp Local Police
- Cyprus Police
- Polish Police





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