



EUROPEAN  
COMMISSION

Community Research

# TMT Handbook

(Contract Number: **FP6 - 36497**)

## PROJECT PRESENTATION (PP)

Author(s):

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Reporting period: e.g. 01/09/06 – 01/03/07

Date of issue of this report : **09/03/07**

<b>Project co-funded by the European Commission under the Euratom Research and Training Programme on Nuclear Energy within the Sixth Framework Programme (2002-2006)</b>		
<b>Dissemination Level</b>		
<b>PU</b>	Public	X
<b>RE</b>	Restricted to a group specified by the partners of the [acronym] project	
<b>CO</b>	Confidential, only for partners of the [acronym] project	

Start date of project : **01/09/06**

Duration : **30 Months**

[TMT Handbook]





### **Introductory paragraph (3-5 lines)**

European national emergency response plans have long been focused on accidents at nuclear power plants. Recently, the possible threats by disaffected groups have shifted the focus to being prepared also for malevolent use of radiation that are aimed at creating disruption and panic in the society. The radiation exposure can range from very low to substantial, possibly combined with conventional injuries. There is a need to develop practicable tools for the adequate response to such acts and more specifically to address European guidelines for triage, monitoring and treatment of exposed people.

### **1 Nature and Scope of the project (5-10 lines)**

The main objective is to make a practicable handbook for the effective and timely triage, monitoring and treatment of people exposed to radiation following a malevolent act. In order to achieve this objective, the TMT consortium comprises 7 organisations which will be able to provide and integrate their key skills and knowledge in order to produce the TMT Handbook. The composition of the consortium guarantees the achievements of the objectives of the project. The consortium members are a representation of the main expertise and the end-users in this. They include research organisations, government bodies and international organisations. They provide a well balanced and complimentary team. This synergistic alignment of skills means the end product far exceeds any individual organisations ability to deliver all of the areas of work. The final product, the Handbook itself, will be available across a wide spectrum of end users enabling the maximum uptake and implementation of the knowledge acquired through this project.

### **2 Activities (10-15 lines)**

To achieve the project's objective, several tasks will be undertaken:

1. Evaluation of different scenarios to set the project's terms of reference
2. Guidelines will be drafted for:
  - monitoring and triage of exposed populations;
  - treatment, management and long term follow up of affected persons;
  - public information and risk communication.
3. These guidelines will be collated in a draft modularized handbook that will be distributed to a wide range of end users. They will be asked to comment on the content and encouraged to test it in national emergency response exercises.
4. A workshop will be arranged to enable the end users to provide feedback on the handbook and how it works in exercises.
5. A refined handbook will be produced on the basis of feedback. A wide distribution of the handbook to national emergency response institutions is envisaged as well as incorporation into training programmes.





From these tasks the European aptness to respond to emergencies concerning malevolent use of radiation or radioactive material will be greatly enhanced.

3. **Expected Results** (15-20 lines)

The expected result from this project is a handbook that will assist health care organisations on the triage, monitoring and treatment of people exposed to radiation after a malevolent act. It is expected that this handbook will be widely distributed among national emergency authorities/services, EU relevant institutions and international organizations dealing with nuclear and radiological matters or being responsible for public health issues.

4. **Societal Impact** (10-15 lines)

The TMT Handbook would strengthen the European ability to efficiently respond to malevolent acts in terms of protecting and treating exposed people. One part of the Handbook is also devoted to public information and communication issues which would contribute to public reassurance in emergency situations. The Handbook will harmonise the approaches to handling malevolent acts across Europe. This harmonisation will have an added value on the public trust in authorities since differing approaches in e.g. neighbouring countries could lead to public confusion and mistrust.

5. **Information about important public events** (0-5 lines)

A workshop will then be arranged to allow feedback from these end users on the content, structure and usefulness of the Handbook before a final version is produced.

6. **Project Website address & contact person** (2-5 lines)

URL <http://www.tmthandbook.org>

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**General Recommendation**

The issues dealt with in this project are very sensitive and therefore not suitable for a wide public participation; however, results will be exploited through the organisation of seminars and training

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[TMT Handbook]

PP -

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activities and synergies will be formed with local and national emergency response organisations and in particular with first responders and medical centres in charge of public health in case of a terrorist event. The development and delivery of the Handbook will be used to raise awareness of the need for adequate preparedness and training at national and international levels.

**Illustration**

The document should be illustrated with 2 photographs with a resolution of at least 300 dots/inch (dpi).

**Size of the document**

The document is limited to 2 pages A4, i.e. 80 lines.





## Triage, Monitoring and Treatment of the public after a malevolent use of radiation - Handbook

### List of partners

Belgian Nuclear Research Centre (SCK•CEN), BE  
Norwegian Radiation Protection Authority, NO  
Enviros Consulting, UK  
Radiation and Nuclear Safety Authority, FIN  
Health Protection Agency, UK  
World Health Organisation  
Central Laboratory for Radiation Protection, PO

### Coordination

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### EC Project Officer (Name, Address)

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EC contribution 699,999.00 (€)

