

# T&E PPE : COMPARISON OF TEST PROCEDURES & RESULTS IN TESTS AND EVALUATIONS OF INDIVIDUAL PROTECTIVE EQUIPMENT AGAINST CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR (CBRN) THREATS

## Participating Members



## Consortia/Organization

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Project Arrangement Management Group leader

The project will enable the identification of discrepancies in test procedures concerning test and evaluation of individual protective equipment, by comparing the tests performed and results obtained on identical samples at different laboratories.

The objectives of the project are:

- to identify discrepancies in test procedures performed by different laboratories for a same test;
- to identify discrepancies in results obtained for a same test and a same material tested;
- to aim at developing more stringent test procedures in order to get the same results wherever a test is performed.

The Project will provide more confidence in test results, wherever a test is performed. This will be fruitful for:

- the safety of soldiers who could face CBRN threats;
- the qualifying bodies of the different contributing members, who would gain confidence in test results;
- the European industry, because more stringent test procedures will allow to better discriminate individual protective equipment of good quality.

The contributing members are Austria, Belgium, France, Spain, and Switzerland. The participants are defence organisation laboratories.

## Objectives

The work schedule of the project is divided into 6 work packages (WPs). The total duration of the work is expected to be 36 months.

- » WP 0 : Management (Leader : FR cM)
- » WP 1 : Review of existing T&E protocols, lab facilities; identification of critical gaps (Leader : CH cM)
- » WP 2 : Round robin tests edition 1 (Leader : FR cM)
  - WE 2.1: Aerosol swatch test (leader: FR cM)
  - WE 2.2: Toxic chemical agents - qualitative liquid HD permeation through materials (SD liquid swatch test) (leader: BE cM)
  - WE 2.3: Toxic chemical agents - quantitative liquid HD permeation through materials (leader: ES cM)
  - WE 2.4: Toxic chemical agents - vapour permeation (leader: ES cM)
  - WE 2.5: Canister testing (Substances to be defined according to the testing capabilities of the laboratories, WE 1.2) (leader: BE cM)
  - WE 2.6: Whole system test (aerosol or vapour) (leader: FR cM)
  - WE 2.7: Gasmask testing (leader: CH cM)
- » WP 3: Synthesis round robin tests edition 1 and recommendations (Leader : FR cM)
- » WP 4: Preparation Round robin tests edition 2
- » WP 5: Round robin tests edition 2
- » WP6: Recommendations of improvements

## Work Strands

- » The project consists of performing the same CBRN protection tests on identical material samples (or system) in the different participating laboratories.
- » There are no other current or previous projects contributing.

## Way Ahead

» The parameters that will become crucial in the CBRN protection test procedures during the project could be shared with European partners to harmonise test procedures. Thus, the different European countries could trust the tests regardless of the European laboratory that performed the test.

For the forthcoming years, this information could also be shared with NATO partners to harmonize test procedures at the international level.

## Related TBBs

- OSRA TBB27: Personal Protective Equipment.



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**EDA Activities**  
[www.eda.europa.eu/what-we-do/all-activities](http://www.eda.europa.eu/what-we-do/all-activities)