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

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 2.1: Aerosol swatch test (leader: FR cM)
  - WP 2.2: Toxic chemical agents - qualitative liquid HD permeation through materials (SD liquid swatch test) (leader: BE cM)
  - WP 2.3: Toxic chemical agents - quantitative liquid HD permeation through materials (leader: ES cM)
  - WP 2.4: Toxic chemical agents - vapour permeation (leader: ES cM)
  - WP 2.5: Canister testing (Substances to be defined according to the testing capabilities of the laboratories, WE 1.2) (leader: BE cM)
  - WP 2.6: Whole system test (aerosol or vapour) (leader: FR cM)
- WP 3: Synthesis round robin tests edition 1 and recommendations (Leader: FR cM)
  - WP 3.1: Gasmask testing (leader: CH cM)
- WP 4: Preparation Round robin tests edition 2
- WP 5: Round robin tests edition 2
- WP 6: 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.

Objectives
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.

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
- GSRA TBB27: Personal Protective Equipment.