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CREATIF

Network of Testing Facilities for
CBRNE detection equipment



SEIBERSDORF
LABORATORIES



 **BAM**
Bundesanstalt für
Materialforschung
und -prüfung

COTECNA



TNO innovation
for life

Standards for Testing - CBRNE



- **Main Results**
- **Round Robin**
- **Conclusions**



Standards for Testing - CBRNE



- Biological detectors most recent – less time to have developed standards
- Complex situation
 - Biological substances - mix
 - Detector technologies – system

Standards for Testing - CBRNE



- 18 test facilities used by 10 organizations in 7 different countries were identified.
- Internal protocols used for testing of equipment
- No formal standards exist
 - Similarities exist

Round Robin- CBRNE



- Purpose:
 - Harmonize / certify test facility
 - Allow comparison of parameters (Limit of Detection, response time and specificity)
- Feedback to creation of standards

Round Robin- CBRNE



- **Concept:**
 - “EU Certification Body” (ECB) submits reference material and reference detector
 - Confidential
 - Time limits
 - ECB evaluation
 - Valid for certain type of facility (chamber, tunnel)

Conclusions- CBRNE



- Many Challenges
 - Reference material
 - Reference methods
 - Aerosol generation
 - Economy
 - ...

Standards for Testing - CBRNE



- Future work – “Creatif II”
- Cooperate with EDA and NATO activities
 - EDA Cat-B T&E BioDIM
 - NATO DIM SG activities