



# Standardisation : current and future work at CEN

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# background

- EU Commission Lead Market Initiative  
Protective Textiles

Some conclusions :

- Public procurement
- Standardisation



# Programming mandate

- M/509 (protective textiles and personal protective clothing and equipment)
- Accepted on 9/11/2012 + installation of CEN-CLC BT WG 8
- Final report submitted to EU Commission 02/2014

# Elements in the programming mandate

- Integration
  - Technology
  - Different parts of the system
- Comfort and ergonomics
- Sustainability – total cost of ownership

**User focus** (skin to outer layer / head to toe)

# BTWG 8 Proposals for standardisation projects

- All proposals ordered based on 3 criteria
- Highest priority : definitions and terms (set the framework)
- Several proposals will need validation of test methods



# BTWG 8 Proposals related to standardisation work

- Current structure of PPE standardisation is not adequate anymore for all the work needed
  - User (system) focus versus product focus
- Cooperation experts from CEN, CENELEC and ETSI is essential

# BTWG 8 Proposals related to standardisation work

- IPR issue for smart PPE/PPS
- Input from R&D projects into standardisation beyond the project time frame + education/guidance for researchers and standardisation experts
- Validation of test methods – funding needs
- ‘smart’ standardisation for PPE and PPS

# Challenges 'smart' PPE/PPS

- Comfort / Ergonomics
- Human factor
- Reliability in all foreseeable use conditions
- Privacy
- Security
- Additional risks for the user



# Challenges 'smart' PPE/PPS

- Correct selection and use
- Care and maintenance
- Total cost of ownership
- Fit for use
- Not only product – also services (bv software)
- Impact on environment
- Legal framework
- Certification – testing – market surveillance
- ...

# Follow up BTWG 8

- CEN – CENELEC
  - allocation of standardisation proposals to existing TCs
  - creation new TC 122 WG 14 : Ergonomics design and evaluation of integrated PPE systems
  - Proposal for creation new CEN-CENELEC TC : Personal Protective Ensembles and Systems

# Follow up BTWG 8

- EU Commission
  - Preparation specific standardisation request (non-textile elements in heat and flame protective equipment/clothing)
  - funding for validation ?
  - Pre-standardisation research e.g. Horizon 2020 calls (in collaboration with European Technology Platforms) ?

# Research&Developent and Innovation needs Standardisation (and other way around)





Thank you for your attention

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