Sector Initiative on Equipment for Explosive Environments (SIEEEE)

Status Report:
1. Kick off meeting 2007 in Geneva,
   Presentations of the various systems, Questionnaire
2. 2008 in Paris
   Discussions of the answers of the Questionnaire
3. 2008 in Geneva
   Preparation of the Terms of Reference
4. 2009 in Stockholm
   Preparation of CRO (Working Paper)

Further Steps:
- Today, Melbourne 2009, parallel to IECEx, elaborate the CRO
- Next UNECE WP.6 Presentation of the Results

Melbourne 02. September 2009
Principal Elements of the CRO: Scope Statement

- Mining
- Refinery
- Chemical Plants
- Mills

Equipment

- Gas-explosion Hazard Risk assessment
- Dust-explosion Hazard Risk assessment

- Electrical Equipment
- Mechanical Equipment
Principal Elements of the CRO: Scope Statement

- Placing on the market
- Installation
- Inspection and Maintenance
- Repair

Life cycle approach
Principal Elements of the CRO: Scope Statement

Installation, Inspection, Maintenance, Repair

- Installation company
- Inspection company
- Maintenance company
- Repair shops
- Ignition Risk Assessment company

Service
Principal Elements of the CRO: Product Requirements

- Electrical sparks
- Mechanical sparks
- Hot surfaces
- Electrostatic

Elimination of Ignition Sources

EN 1127-1
13 Ignition sources
Principal Elements of the CRO: Reference to Standards Clauses

IEC 60079-0
ISO/IEC 80079-0
IEC 60079-10
IEC 60079-14
IEC 60079-17
IEC 60079-19
Principal Elements of the CRO: Compliance Clauses

- **Testing**
  - ISO/IEC 17025
  - IECEx 02

- **Production**
  - ISO/IEC 17021

- **Certification**
  - ISO Guide 65
  - [ISO/IEC 17065]
  - IECEx 02

- **IEC**
  - ISO
  - IECEx

- **Personnel Competency**
  - ISO/IEC 17024
  - IECEx 05

- **Service**
  - IECEx 03
Principal Elements of the CRO: Market surveillance

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