UNECE WP.6: Sector Initiative for Equipment in Explosive Environments – The global regulation approach

14th MARS Group meeting

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Intention of the Common Regulatory Objectives (CRO)

**Manufacturer**
- **Placing on the market**
  - EN/IEC 60079-ff
  - EN/IEC 80079-ff
- **Market Surveillance**
  - EN/IEC 60079-10
  - EN/IEC 60079-14

**Operator**
- **Repair**
  - EN/IEC 60079-19
- **Ex-Equipment (Installed basis)**
- **Inspection and Maintenance**
  - EN/IEC 60079-17
- **Installation**
  - Zone classification (“Risk Assessment”)

**Regulators Jurisdiction**

**Life cycle approach**
CRO 40 and 41

Common Regulatory Objectives – Part six
Market surveillance

40. To monitor proper compliance with the requirements of this model regulation in the marketplace, a network of market surveillance experts in explosion protection (UNECE-ExMARS) is to be formed and operated (see appendix F.1).

41. In case of critical non-conformance, an international alert system (ExAlertSystem) has to be used to inform all UNECE Members about recently detected risks or faulty products.

F.1 Guidelines for market surveillance

Guidelines for market surveillance are in preparation by this Sectoral Initiative in cooperation with the MARS group.
Procedure for Ex-market surveillance (Ex-GMSP)

Example: Possibly faulty product

- Operator
- Accident
- Competitor
- Inspection
- Independent Certification Body (Notified by Regulation)
- Support
- Certification Body
- Manufacturer

Result with Consequences

UNECE United Nations Economic Commission for Europe
Procedure for Ex-market surveillance (Ex-GMSP)
Example: Alert System, Arbitration board,...
Guideline for a national Market Surveillance for Equipment used in Explosive Environments

Content:

1 Introduction

2 Actions of the MS
   2.1 Pro Active
   2.2 Reactive

3 Cooperation and Exchange of Experience (with other stakeholder)
   3.1 Internet-Platform
   3.2 Arbitration Board
   3.3 Alert-System
Guideline for a national Market Surveillance for Equipment used in Explosive Environments

4 Definition of Ex-Products and the boundary conditions
4.1 Zone Concept (Essential Requirements)
4.2 Types of Protection (Applicable Standards)
Explanation of the content of the control (Compliance Criteria)
5.1 Labelling and Conformity Declaration
5.2 Manual
5.3 Technical Inspection
6 Further Input
Mobile Phone - EU Safeguard Clause
EN 60079-11: not fully applied

Ex II 2 G   Ex ib IIC T4

Front-battery pack

Ban from the market
Agenda

- To form an international Ex-MARS group of market surveillance authorities
  **Barrier**: international traveling necessary
  **Solution**: online meetings
- To open an office to manage daily correspondence
- To launch a website to draw attention on the Ex-MARS group
- To agree on procedures and fault classification
- To agree on an alert system for end users
4. Summary

Common Regulatory Objectives – Part 6

- UNECE WP.6 (UNECE-ExSC)
- European Commission
- Ex-Dienst
- Namur
- BG
- UNECE-MARS
- ADCO
- IECEx
- ExNB
- IEC/ISO TC 31
- TC 305
- CENELEC CEN
- ZVEI
- VDMA
- Orgalime

Regulation
Certification
Operator
Market-surveyance
Standardization
Manufacturer