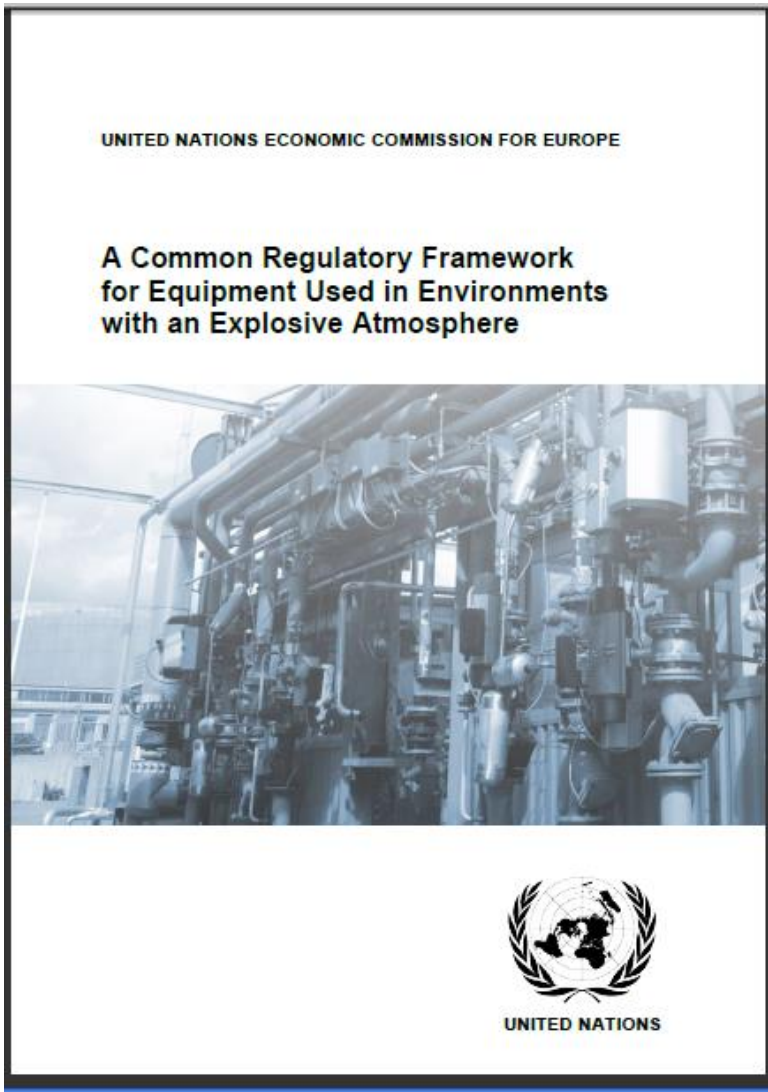
UNECE WP.6: Sector Initiative for Equipment in Explosive Environments – The global regulation approach

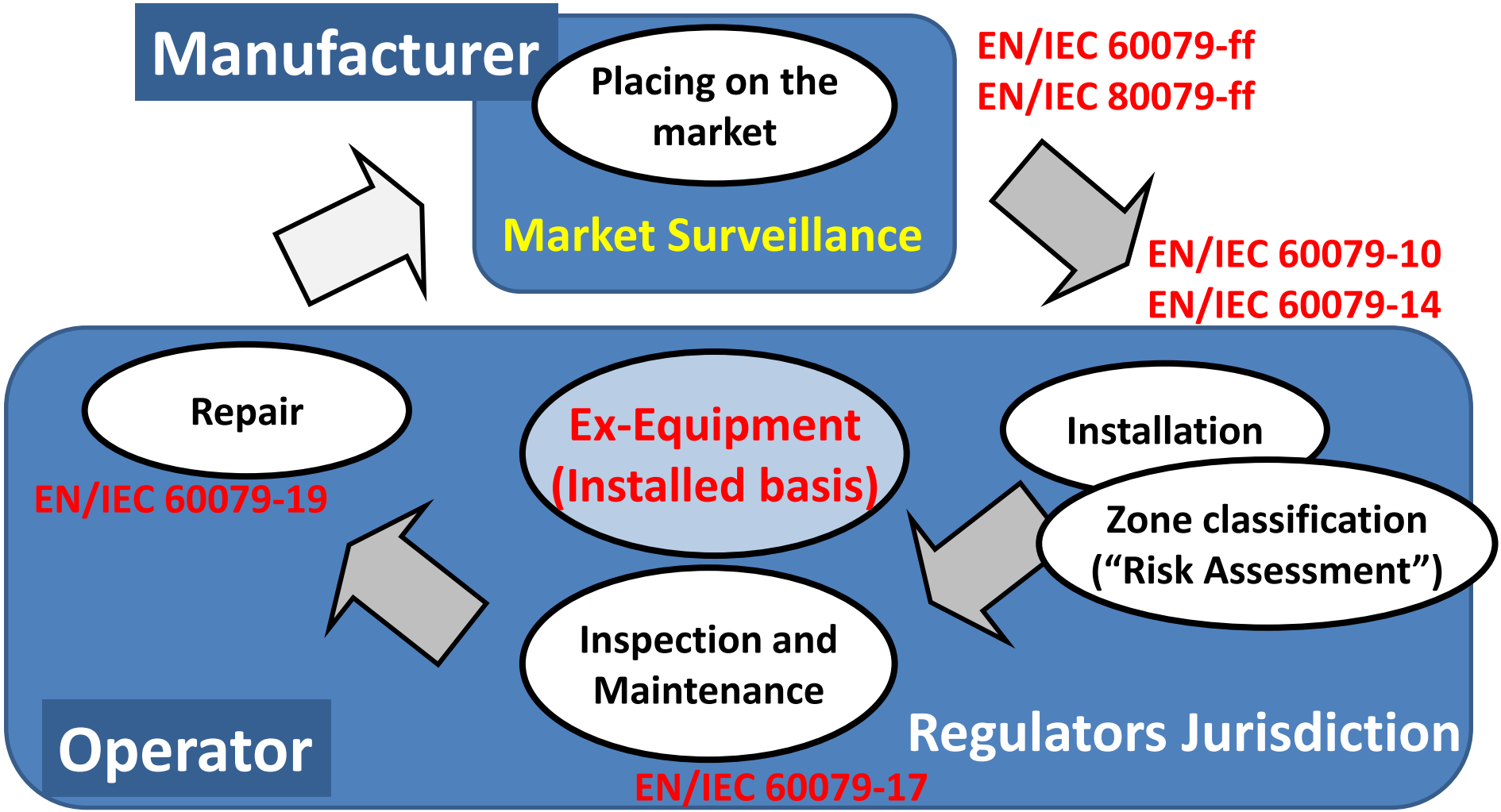


14th MARS Group meeting

26 - 27 September 2016

Frank Lienesch, Uwe Klausmeyer
Physikalisch-Technische Bundesanstalt

Intention of the Common Regulatory Objectives (CRO)



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).

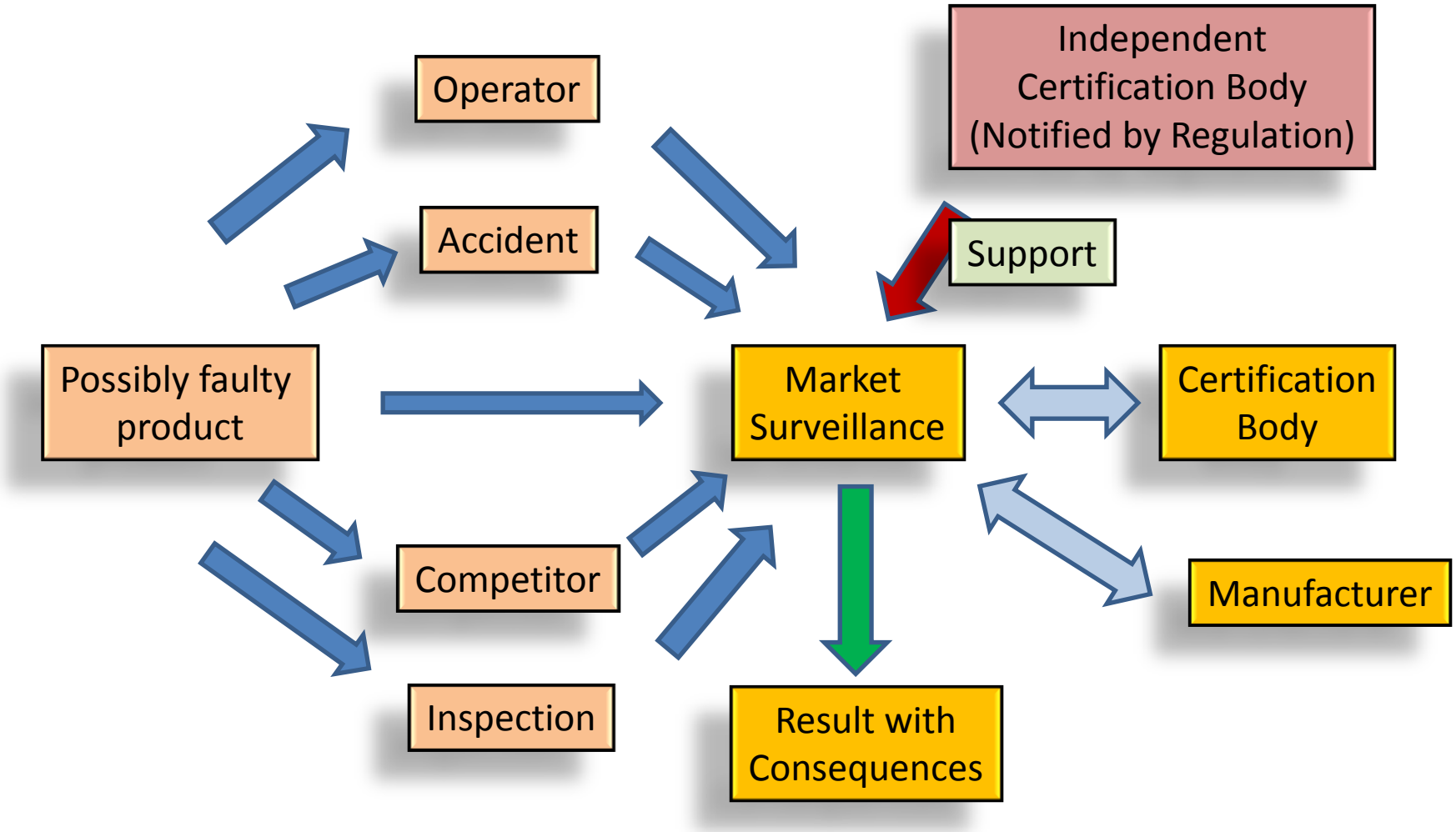
41. In case of critical non-conformance, an international alert system (ExAlertSystem) has to be used to inform all UNECE Members about recently detected risks or faulty products.

F.1 Guidelines for market surveillance

Guidelines for market surveillance are in preparation by this Sectoral Initiative in cooperation with the MARS group.

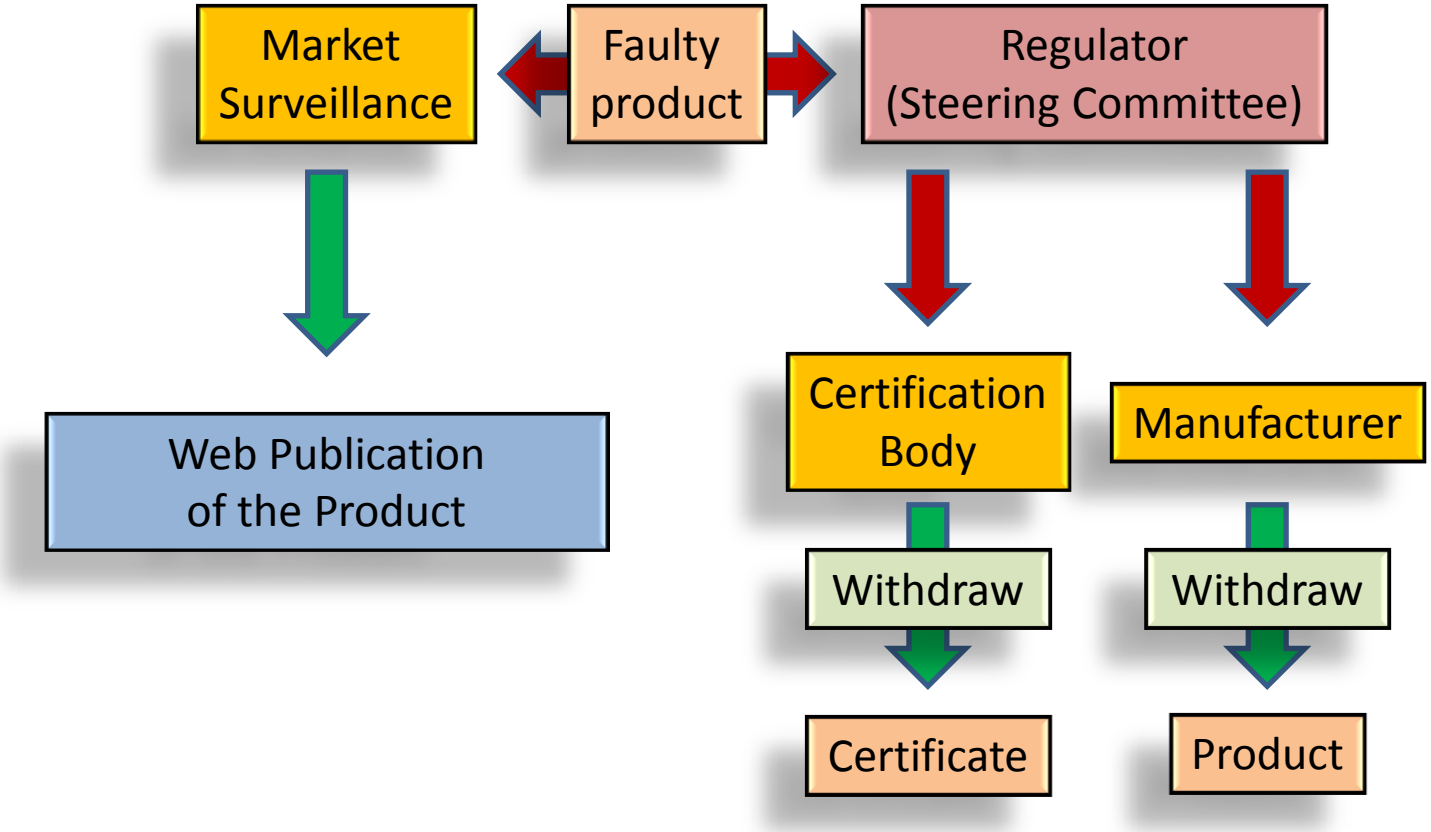
Procedure for Ex-market surveillance (Ex-GMSP)

Example: Possibly faulty product



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

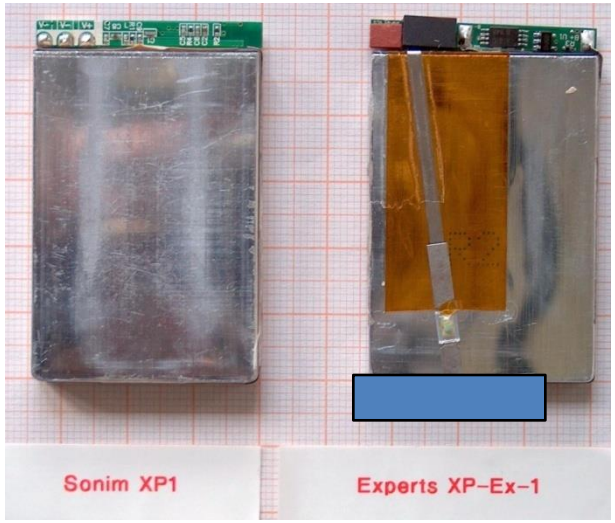
3.3 Alert-System

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



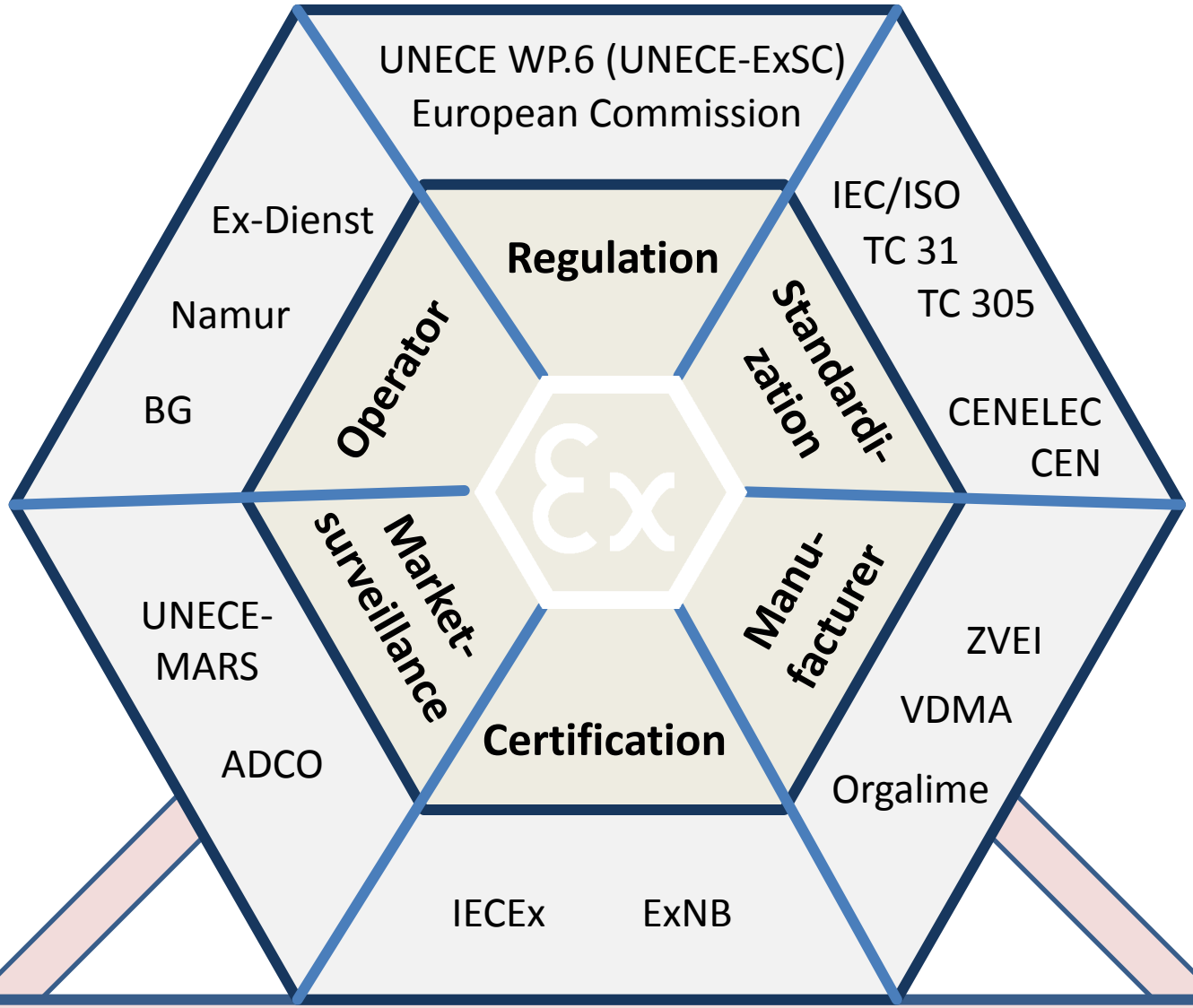
Front-battery pack

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