PROTOCOL V

PREVENTIVE MEASURES REGARDING EXPLOSIVE STORAGE DURING MANUFACTURING AND DISPOSAL

Genève, April the 10th 2013
1. Armed Forces VS Civilian Companies. How different is it?

2. Spanish case. Transportation

3. Spanish case. Storage authorization

4. Spanish case. Storage and disposal managing

5. How to reach safety
Spain. What’s new? Transport

**General Regulation**

- **ADR.** European Agreement concerning the International Carriage of Dangerous Goods by Road
- **IMDG.** International Maritime Dangerous Goods (Code)
- **IATA.** International Air Transportation Association (Only 1.4S & 1.4C)

**National Conditioning**

- Armed guards
- Monitored by Guardia Civil
- Specific Security Transportation Plan
Spain. What’s new? Storage authorization (I)

General Regulation

• RD 230/1998 Explosives Regulation
• Health & Safety Legislation

Authorization, Approval and Report

• Ministry of Industry
• Ministry of Interior
• Ministry of Defence

Evidences

• Project
• Structural resistance calculation
• Safety distance calculation
• Security and safety measures
• Local Council approval
• Public announcement
Additional Regulation

• RD 137/1993 Weapons Regulation

National Conditioning

• Armed guards
• Specific security measures established by
  • Guardia Civil (Public Security)
  • Weapons & Materials General Directorate –MoD- (National Security)
• Alarm System connected to Guardia Civil

Complementary Tools

• Explosives and Ammunition Storage Handbook for the Armed Forces. MoD
• AASTP-1. NATO
• IATG. UN Safeguard
• OHSAS 18001:2007
• Company Policy, Manual, Procedures & Standards
Spain. What's new? Storage and disposal managing (I)

General Regulation

• RD 230/1998 Explosives Regulation
• RD 137/1993 Weapons Regulation
• Health & Safety Legislation
• Customer Requirements (Contract)

National Conditioning

• Government Quality Assurance Representative (MoD)
• Weapons & Explosives Inspection (Guardia Civil)

Complementary Tools

• OHSAS 18001:2007
• Company Policy, Manual, Procedures & Standards
Operative Managing

- Incoming Goods Certify
- Magazine control (input/output)
- Working Instruction
  - Hazard Identification
  - Risk Assessment
  - Preventive Measure
- Training
Operative Managing

- Operational Control
- Quality Assurance Control
- Quality Control. Government Quality Assurance Representative
- Waste Managing
- Demilitarization Certify
  - Demil Evidence (particular cases)
- Incoming – Outgoing Materials Control
Is it always so good?

- Bad storage condition incoming ammo
  - Awareness
  - Detection
  - Isolation
  - Special treatment

- Unexploded Ordnance coming from UXO Clearance Projects
  - EOD operations for safe transportation and handling
How to reach SAFETY? (I)

- Protection
- Distance
- Classification

Table 1C HD LI QD Matrix for Non-Earth Covered Storage

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How to reach SAFETY? (II)

- Competence
  - Hazard Identification
  - Risk Assessment
  - Training
  - Awareness

- Operational Control
  - Preventive Measures
  - Safety Inspection
  - Task Observation

CORRECTIVE, PREVENTIVE & IMPROVEMENT
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Demilitarization

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