



SAFETY SERVICES ORGANISATION



Session 2.5

Ammunition Storage Requirements

IATG Foundation Course: Reducing Risk in Storage Module



Lesson Objectives

At the end of this lesson you should be able to:

- Confirm your prior knowledge on the theory of explosives
- Understand these requirements in the context and background for the Infrastructure and Operations modules
- Reinforce the cross-linking of the IATG and emphasise the fundamentals of safety that link them
- Emphasise the requirement for fully trained personnel throughout the framework of ammunition management
- List the main ammunition storage requirements and describe which IATG covers the requirement



Introduction

- **Conventional ammunition stockpiles**
 - What is a stockpile?
- **Bulk ammunition storage depots and Unit ammunition storage**
- **Historical context – why do accidents/incidents occur?**

Macro Requirements – National Requirements

- **The threat that drives the volume of stock**
- **The equipment types that drive the natures being stockpiled**
- **The ‘readiness’ requirement for the stocks**
 - Large Scale
 - Specialist security requirement
 - Other nation specific requirements



Macro Requirements – Explosive Safety Requirements

- **Build on explosive theory and ammunition types**
- **Risk to life of the local population**
- **Risk to vital national infrastructure**
 - Drinking water
 - Oil production/Energy installations
 - Places of worship
 - Places of Government
 - etc.



Macro Requirements – Infrastructure Requirements

- **Size of the stockpile**
- **Protection from environmental impacts**
- **Access roads/routes**
- **Mitigation of the explosive safety requirements**
- **Ground – dispersion/expansion**
 - e.g. Historical example of Lagos 2002



Macro Requirements – Workforce Requirements

- **Safety at work**
- **Safety in their homes**
 - Proximity of workforce to work location

Macro Requirements – Security Requirements

- **Security from theft**
- **Security from destruction**
- **Communications**

Macro Requirements – Personnel Training Requirements

- **Personnel Education**

- Ammunition Accountants
- Ammunition Storage Handlers
- Ammunition Technical Specialists

- **Emergency reactions:**

- Fire-fighting
- Medical
- Evacuation

- **Personnel skills:**

- Use of Equipment
- Equipment and infrastructure maintenance



Discussion

- Relate the points from this lesson to your own *(students')* experience
- *Using a map of the nation, build a theoretical storage facility in order to confirm the student's understanding of Ammunition Storage Requirements*

Questions?

Lesson Objectives

You should now be able to:

- Confirm your prior knowledge on the theory of explosives
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