

# Module 1



## Module 1: Knowledge alignment and doctrines framework

### Module 1 at a Glance

#### Aim

The aim of this module is to ensure that all participants have the same baseline knowledge to pursue the course effectively by:

- Allowing time to participant to present their pre-course workbook tasks
- Conducting a baseline assessment

And to familiarize participants with the course itself and the different doctrines by:

- Introducing the course schedule and its objectives
- Explaining UN policies and guidelines on Weapon and Ammunition Management

#### Overview

Module 1 aligns the knowledge baseline of all participants, ensuring a smooth progression of the course. It provides an overview of the course schedule and objectives. Additionally, participants will explore UN policies, guidelines, and responsibilities related to weapon and ammunition management. They will delve into the key factors for managing ammunition and weapon and understand the roles essential for effective UN Weapon and Ammunition Management in operations. This module sets the stage for a comprehensive understanding of the subject matter, ensuring all participants are on the same page and ready for the detailed content that follows.

# Lesson 1.1

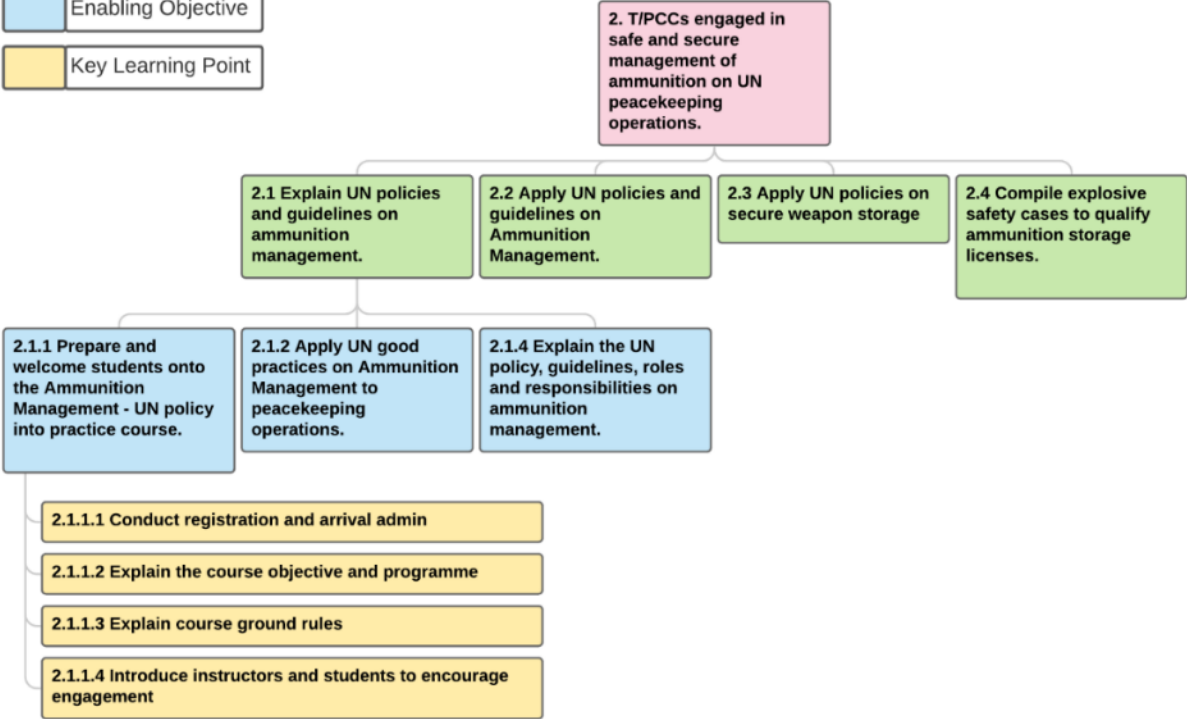


## Lesson 1.1 Course Administration and opening

### Weapons and Ammunition Management in UN Peace Operations

In-person course  
Lesson 01

- Course Objective
- Training Objective
- Enabling Objective
- Key Learning Point



## Section 1. Lesson Specification

### Course Details:

<b>Course Title:</b>	<b>Weapons and Ammunition Management in UN Peace Operations</b> In-person training
<b>Course Objective</b>	2. T/PCCs engaged in safe and secure management of ammunition on UN peacekeeping operations.
<b>Training Objective(s):</b>	2.1 Explain UN policies and guidelines on ammunition management. 2.2 Apply UN policies and guidelines on Ammunition Management. 2.3 Apply UN policies on secure weapon storage 2.4 Compile explosive safety cases to qualify ammunition storage licenses

### Lesson Details:

<b>Lesson Number and Title:</b>	L01. Course Admin and Opening
<b>Type of Lesson / Session:</b>	In-person
<b>Duration:</b>	90 mins

### Enabling Objectives, Key Learning Points & Training Outcomes:

<b>Enabling Objectives:</b>	<b>Key learning Points:</b>
2.1.1 Prepare and welcome participants onto the Ammunition Management - UN policy into practice course.	2.1.1.1 Conduct registration and arrival admin 2.1.1.2 Explain the course objective and programme 2.1.1.3 Explain course ground rules 2.1.1.4 Introduce instructors and participants to encourage engagement.
<b>Performance Statement:</b>	<i>By the end of the lessons the participants will...</i> Be prepared and welcomed onto the Ammunition Management - UN policy into practice course.
<b>Assessment Criteria:</b>	N/A

### Resource requirements:

<b>Instructor to participant ratio:</b>	Maximum class size 15.
<b>Interpreters:</b>	1 per instructor
<b>Training Facilities &amp; Equipment:</b>	Classroom
<b>Instructional tools &amp; materials</b>	Projector & Screen, Flipcharts
<b>Participant Resources:</b>	<ul style="list-style-type: none"> <li>• Course Timetable for both weeks</li> <li>• UN CARANA Scenario narrative</li> </ul>

<b>Training Safety Points:</b>	Trainer is to make participants aware of course risk assessment in relation to the specific training environment. An example of Health and Safety checklist for classrooms is available here for reference here: <a href="https://www.hse.gov.uk/health/safetychecklistforclassrooms/">Health and safety checklist for classrooms (hse.gov.uk)</a>
<b>Key Reference Documents:</b>	<ul style="list-style-type: none"> <li>• UN Manual on Ammunition Management</li> <li>• UN Weapons and Ammunition Management Policy (WAM)</li> <li>• International Ammunition Technical Guidelines (IATG)</li> </ul>

## **SECTION 2: LESSON PLAN**

### **Executive summary:**

This lesson will welcome participants onto the Weapons and Ammunition Management in UN Peace Operations in-person training course. It will provide time to conduct registration and arrival administration of the class. The objective and programme of the course will be explained to the participants, along with ground rules. Instructors and participants will be introduced in an open manner to encourage engagement.

### **Setup:**

This lesson will be conducted with the class as a single collective.

### **Conduct:**

#### **Phase 1. Introduction (Time allocation - 40 min)**

- Course Sign-in process
- Health & Safety Brief (Fire, Physical and COVID related matters)
- Welcoming Address from UN Senior Member
- Administrative address from UN Administrative staff
- Icebreaker - TBC
- Development of Course Rules – The rules are created by the class through discussion, agreed upon and written on a flipchart. These agreed course rules are posted on the wall.

#### **Phase 2. Development**

Stage 1 (Time allocation 20 mins) – Training Team and Participant Introductions

- The instructors introduce themselves to the course participants, providing their background and experience. They will highlight the value that their expertise will bring to the participants on the course.
- Ask participants to give a brief introduction of themselves to include.
  - Their names and rank.
  - Where they are from.
  - Their current military appointment.

- Give a brief overview of their experience in ammunition management to date.
- Outline what they hope to learn and develop from completing this course.
- Write the participant objectives on a flip chart and post it on the walls.

Stage 2 (Time allocation 10 mins) – Introduce the Course Programme

- Instructor to provide an overview of the course, outlining the course objectives.
- Hand out the course timetable and discuss the daily routine
- Instructor to give a brief synopsis of each lesson on the programme
- A brief description of how the practical exercises will be conducted and the course expectations.
- Emphasise that the UNs CARANA scenario will be used throughout the course. Give participants the UN CARANA Scenario narrative, to be used as a reference document throughout the remainder of the course and to read and familiarise themselves with it.

**Phase 3. Consolidation (Time allocation - 20 min)**

- A brief question and answer session to permit clarifications
- Look ahead to the next lesson of the course:
  - Project Presentations
- Class photograph

Slide 1

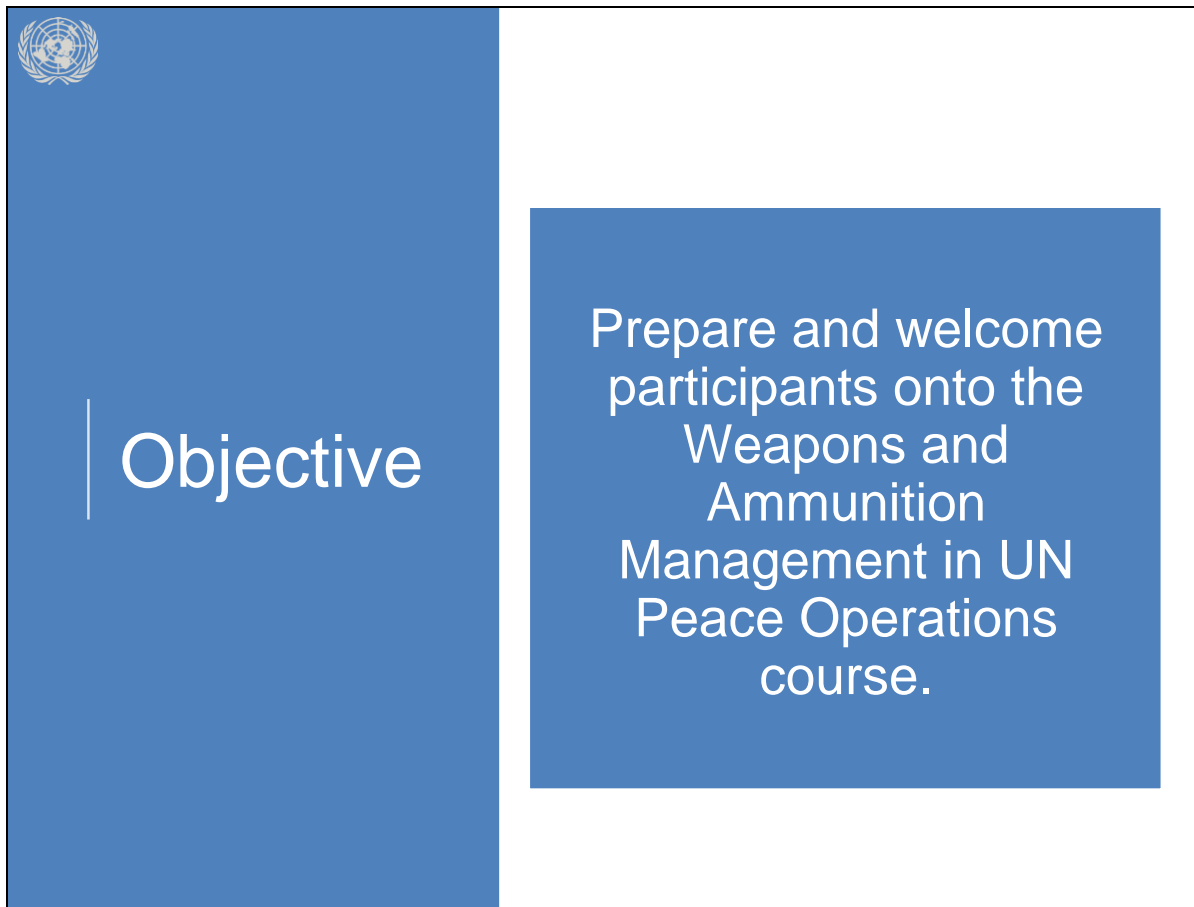


**Key Reference Documents for the course:**

UN Manual on Ammunition Management  
UN Weapons and Ammunition Management Policy (WAM)  
International Ammunition Technical Guidelines (IATG)

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Slide 2



The slide features a blue header bar on the left containing the United Nations logo and the word "Objective" in white text. To the right, a blue rectangular box contains the text: "Prepare and welcome participants onto the Weapons and Ammunition Management in UN Peace Operations course."

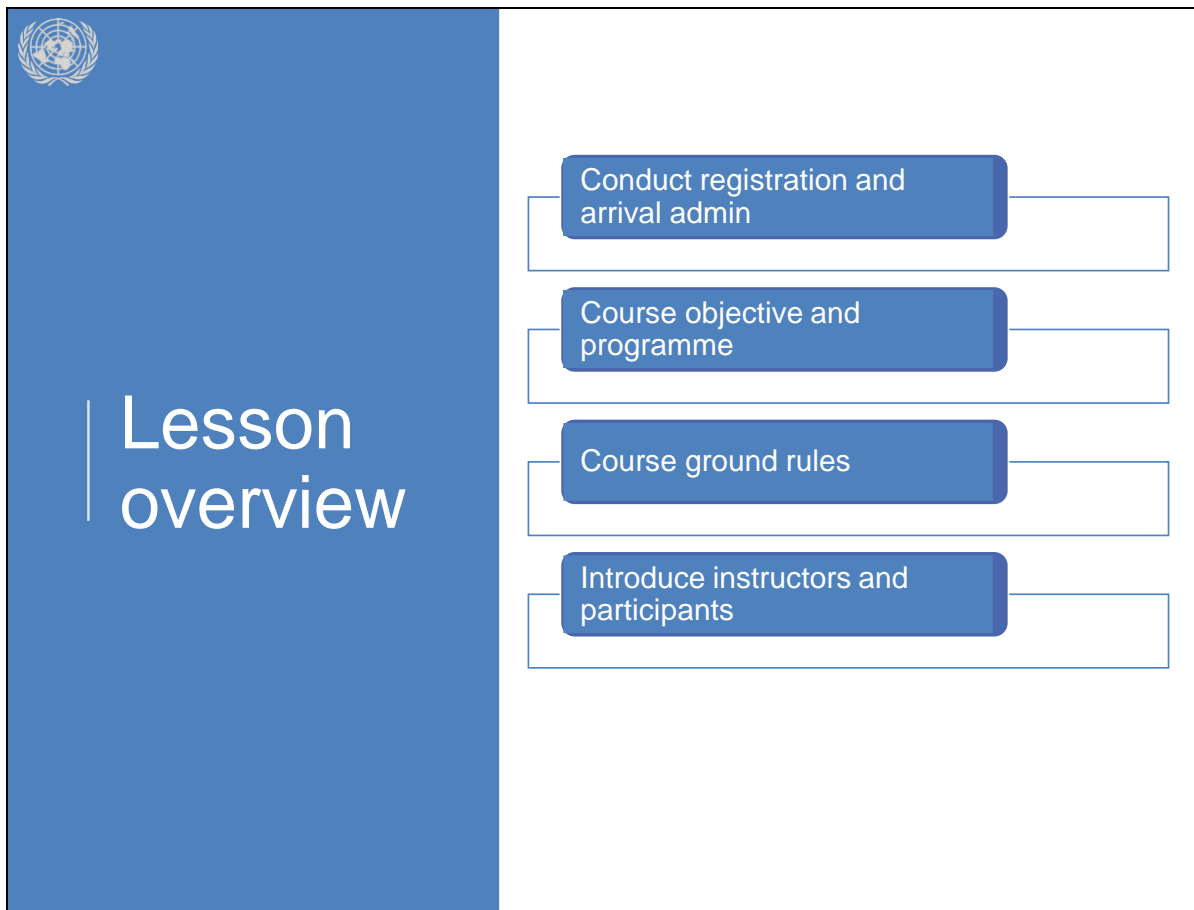
**Main idea/objective for slide:**

**Phase 1. Introduction - Introduce the objectives of the lesson.**

(Enabling Objective: 2.1.1 Prepare and welcome participants onto the course.)

**What the instructor should cover (in addition to slide content)**

By the end of this training session the participant will be prepared and welcomed onto the course.



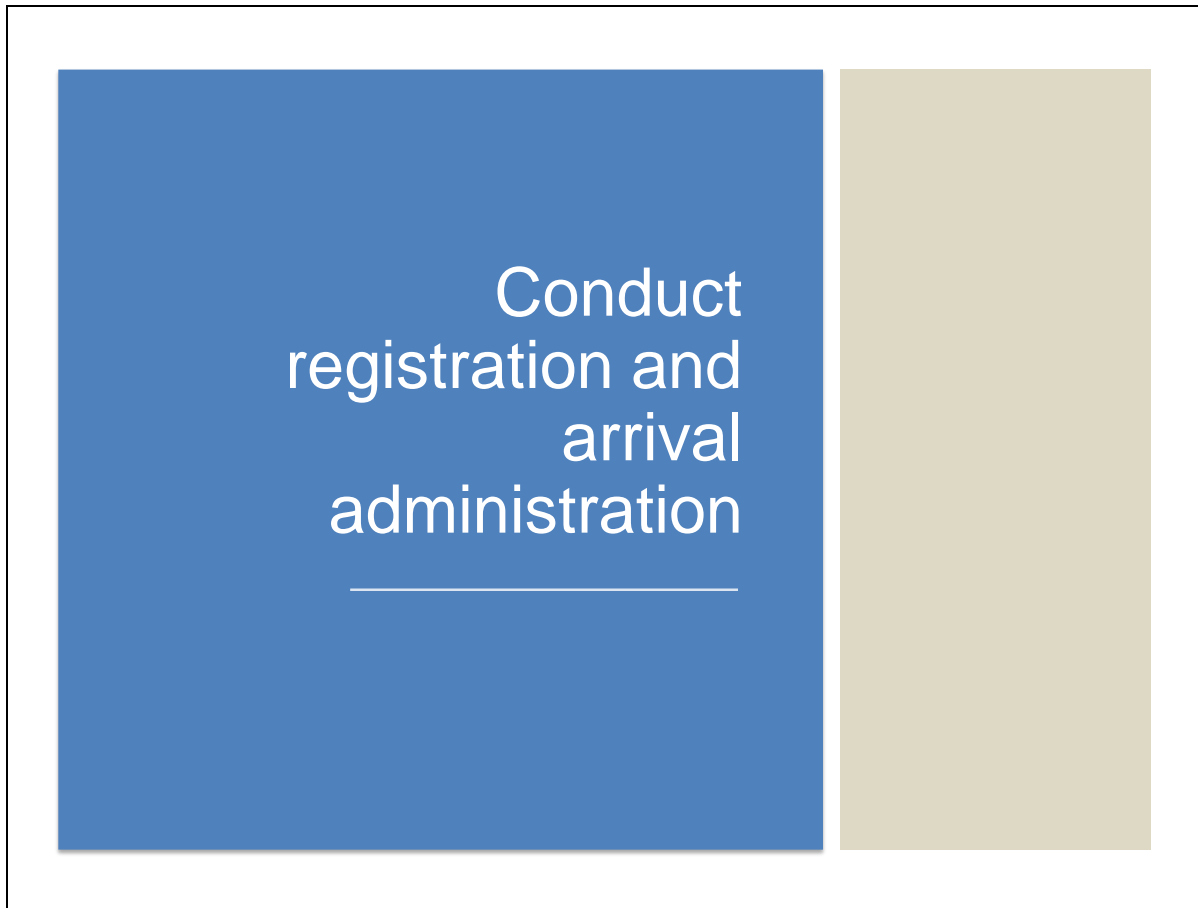
**Main idea/objective for slide:**  
**Introduce the Key Learning Points**

Key Learning Points

- 2.1.1.1 Conduct registration and arrival admin
- 2.1.1.2 Explain the course objective and programme
- 2.1.1.3 Explain course ground rules
- 2.1.1.4 Introduce instructors and participants to encourage engagement.



Slide 4



**Phase 1. Introduction** (Time allocation - 40 min)

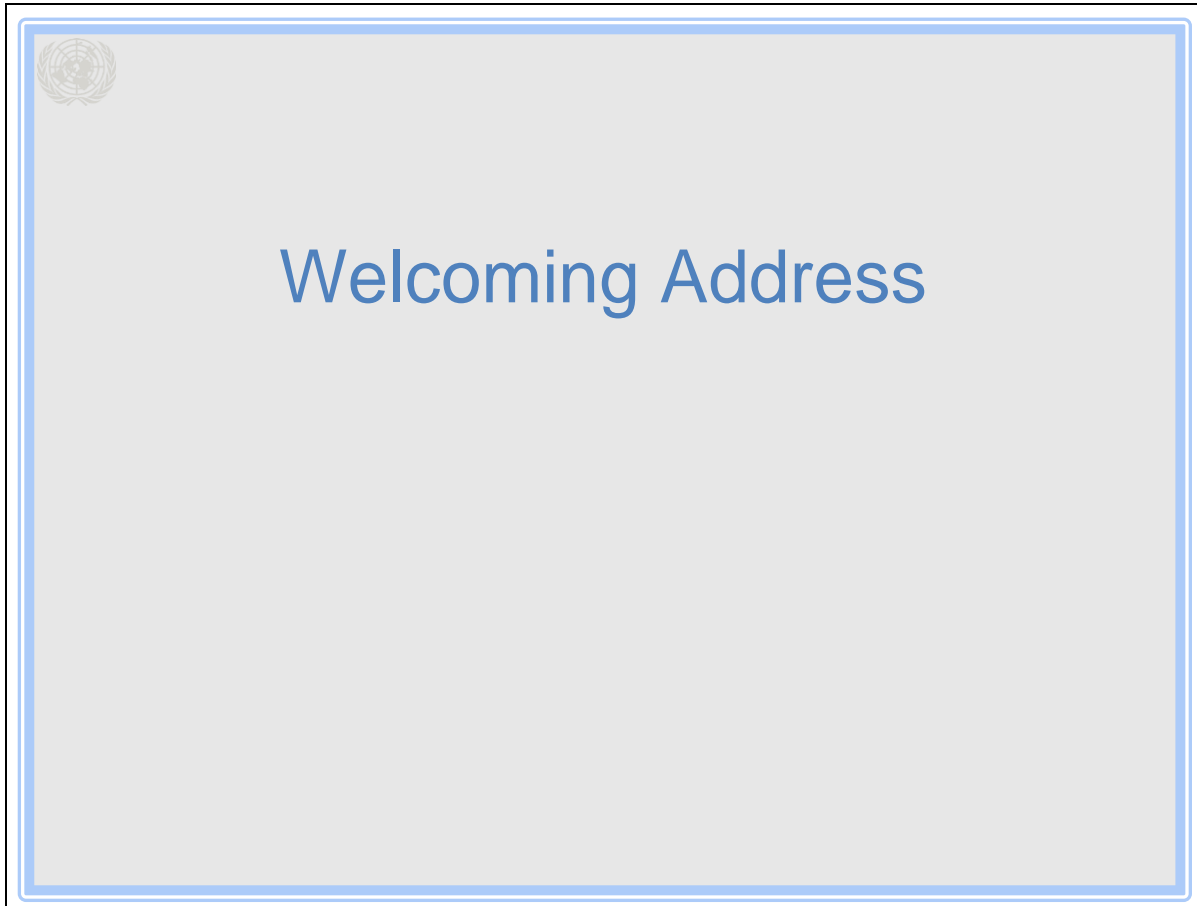
**Main idea/objective for slide:**

**Conduct registration and arrival admin (part 1)**

What the instructor should cover (in addition to slide content)

- Course Sign-in process
- Health & Safety Brief (Fire, Physical and COVID related matters)
- Welcoming Address from UN Senior Member
- Administrative address from UN Administrative staff
- Icebreaker

Slide 5




**Main idea/objective for slide:**

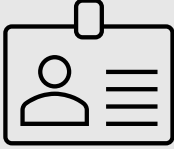
**Conduct registration and arrival admin (part 2)**

What the instructor should cover (in addition to slide content)

- Welcoming Address from UN Senior Member
- Administrative address from UN Administrative staff
- Icebreaker



# Introductions



- ✓ Name and rank
- ✓ Where you are from
- ✓ Current military appointment
- ✓ Brief overview of your experience in Ammunition Management to date
- ✓ What you hope to learn and develop from completing this course

**Main idea/objective for slide:**

**Training Team and Participant Introductions (Time allocation 20 mins)**

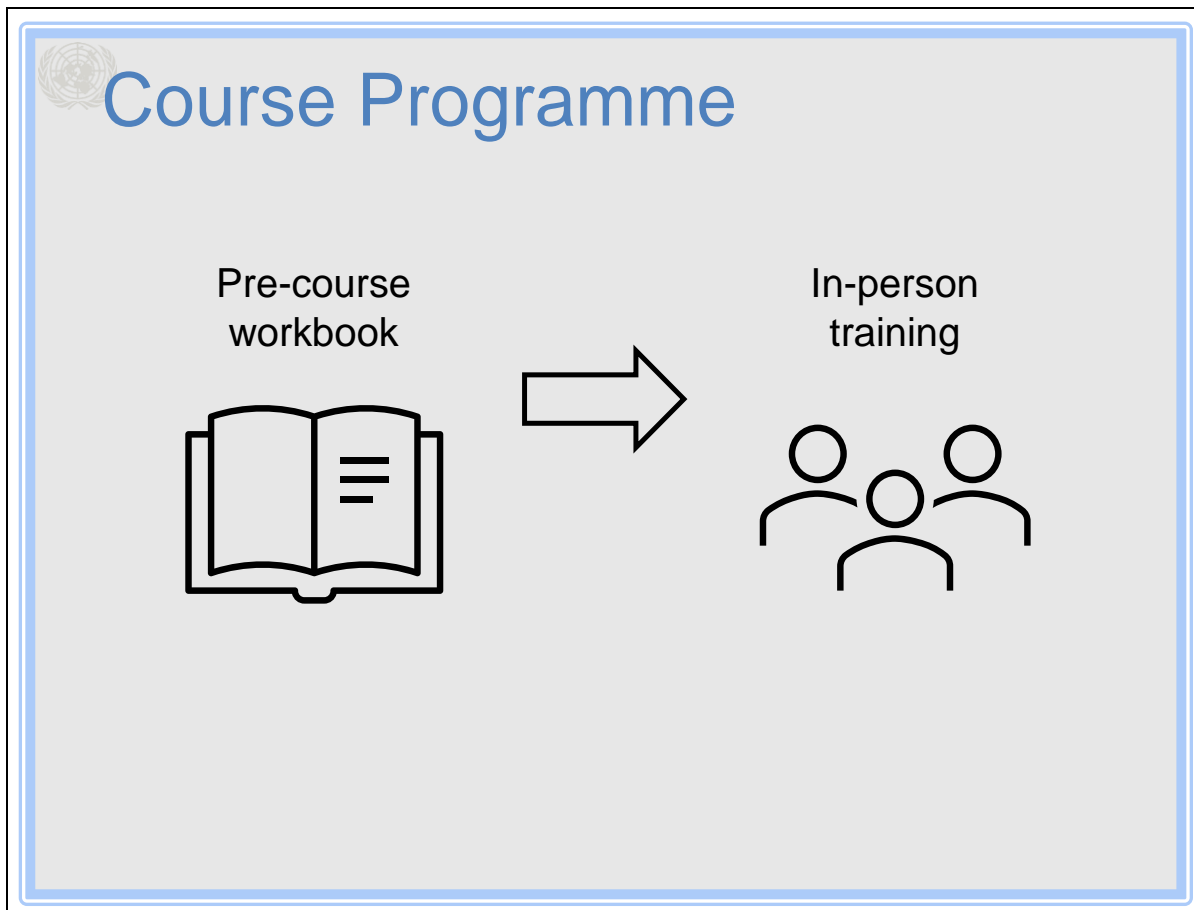
**What the instructor should cover (in addition to slide content)**

- The instructors introduce themselves to the course participants, providing their background and experience. They will highlight the value that their expertise will bring to the participants on the course.
- Ask participants to give a brief introduction of themselves to include:
  - Their names and rank.
  - Where they are from.
  - Their current military appointment.
  - Give a brief overview of their experience in ammunition management to date.

- Outline what they hope to learn and develop from completing this course.
- Write the participant objectives on a flip chart and post it on the walls.



**Introduce the Course Objective and Programme (Time allocation 10 mins)**




**Main idea/objective for slide:**  
**Introduce the Course Objective and Programme**

**What the instructor should cover (in addition to slide content)**

- Instructor to provide an overview of the course, outlining the course objectives.
- (Course Objective = T/PCCs engaged in safe and secure management of ammunition on UN peacekeeping operations)
- The pre-course workbook was the first component of the Weapons and Ammunition Management in UN Peace Operations training. The workbook is intended to prepare participants for the in-person course.

- Participants should submit their completed workbooks for review after the project presentations have been delivered. Workbooks should be returned to participants for use as reference documents from lesson 4 onwards.

Slide 9



# Timetable

## Week 1

Time	Monday	Tuesday	Wednesday	Thursday	Friday
0830 - 0845	Daily Recap / Assessment				
0850 - 0935	L01. Course Opening & Admin (2 x 45min)	L04. UN Policy, Roles & Procedures (2 x 45min)	L07. Ammunition Safe Storage (4 x 45min)	L09. Understanding Ammunition Management (4 x 45min)	L10. (2) Explosive Risk Assessment (2 x 45min)
0940 - 1025	L02. Project Presentation (3 x 45min)	L05. Contingent Level of Operational Ammunition (2 x 45min)			L11. Transporting ammunition on UN Operations (2 x 45min)
Break			L06. NEQ Calculation (2 x 45min)	L08. UN HCC Mixing Rules (2 x 45min)	L10. (1) Explosive Risk Assessment (2 x 45min)
1040 - 1125		L03. Pre-Assessment (1 x 45min)	L12. (1) Ammunition Inspection (2 x 45min)		
1130 - 1215	Daily Summary, Evaluation & Look Forward				
Lunch	Individual coaching - Informal Questions & Answers				
1400 - 1445					
Break					
1510 - 1555					
1600 - 1630					
1630 - 1730					

**Main idea/objective for slide:**


**Introduce the Course Programme (Time allocation 10 mins)**

**What the instructor should cover (in addition to slide content)**

- Hand out the course timetable and discuss the daily routine
- Instructor to give a brief synopsis of each lesson on the programme
- A brief description of how the practical exercises will be conducted and the course expectations.
- Emphasise that the UNs CARANA scenario will be used throughout the course. Give participants the UN CARANA Scenario narrative, to be used as a reference document throughout the remainder of the course and to read and familiarise themselves with it.



Slide 10

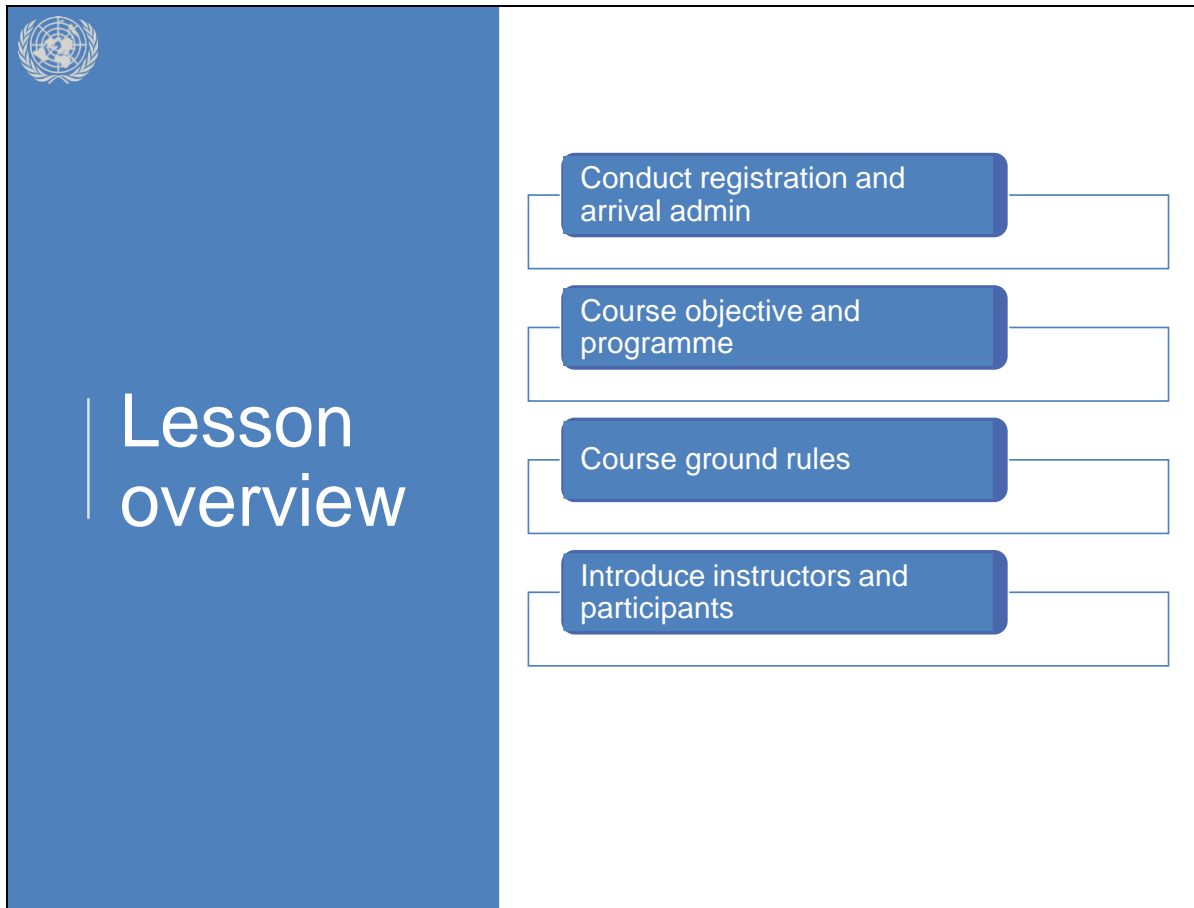
 <h1>Timetable</h1>					
Week 2					
Time	Monday	Tuesday	Wednesday	Thursday	Friday
0830 - 0845	Daily Recap / Assessment				
0850 - 0935	<b>L12. (2)</b> Ammunition Inspection	<b>L14.(2)</b> Safeguarding (4 x 45min)	<b>L16.</b> STX: Camp Takeover (6 x 45min)	<b>L17.</b> CPX: Ammunition Storage Site Design in a UN Field Mission (6 x 45min)	<b>L18. End Assessment</b>
0940 - 1025					<b>L13.</b> Range Management (2 x 45min)
Break					
1040 - 1125					
1130 - 1215					
Lunch					
1400 - 1445					
Break					
1510 - 1555					
1600 - 1630	Daily Summary, Evaluation & Look Forward				
1630 - 1730	Individual coaching - Informal Questions & Answers				

**Main idea/objective for slide:**

**Introduce the Course Programme (Time allocation 10 mins)**

**What the instructor should cover (in addition to slide content)**

- **Hand out the course timetable and discuss the daily routine**
- Instructor to give a brief synopsis of each lesson on the programme
- A brief description of how the practical exercises will be conducted and the course expectations.
- Emphasise that the UNs CARANA scenario will be used throughout the course. Give participants the UN CARANA Scenario narrative, to be used as a reference document throughout the remainder of the course and to read and familiarise themselves with it.

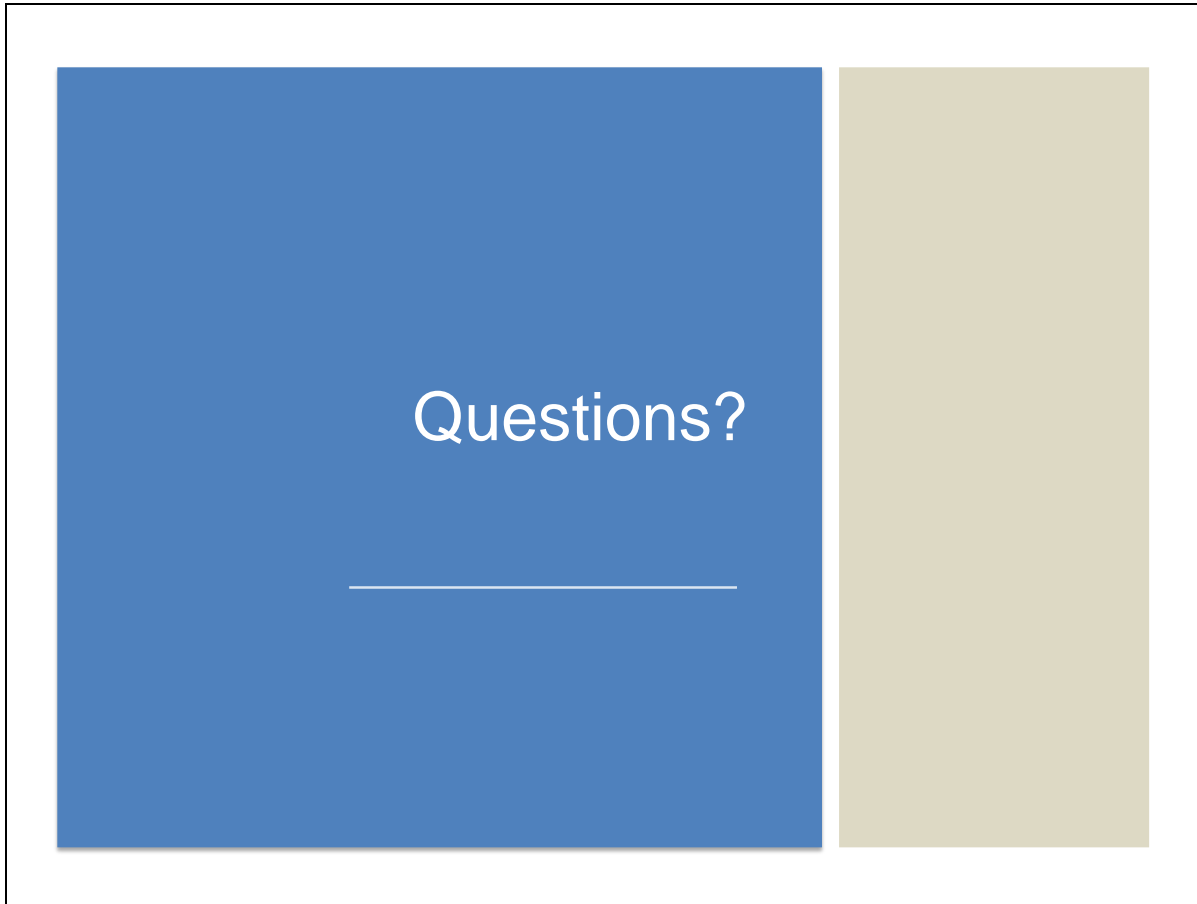


## Summary

This lesson focused on:

- Manage the registration process and complete necessary administrative tasks upon participants' arrival.
- Outline the course objectives and provide an overview of the programme to set clear expectations.
- Facilitate introductions between instructors and participants to foster engagement and create a collaborative atmosphere.

Slide 12



**Phase 3. Consolidation (Time allocation - 20 min)**

**Main idea/objective for slide:**

**A brief question and answer session to permit clarifications (Time allocation 5 mins)**

Slide 13



### Phase 3. Consolidation (Time allocation - 20 min)

#### Main idea/objective for slide:

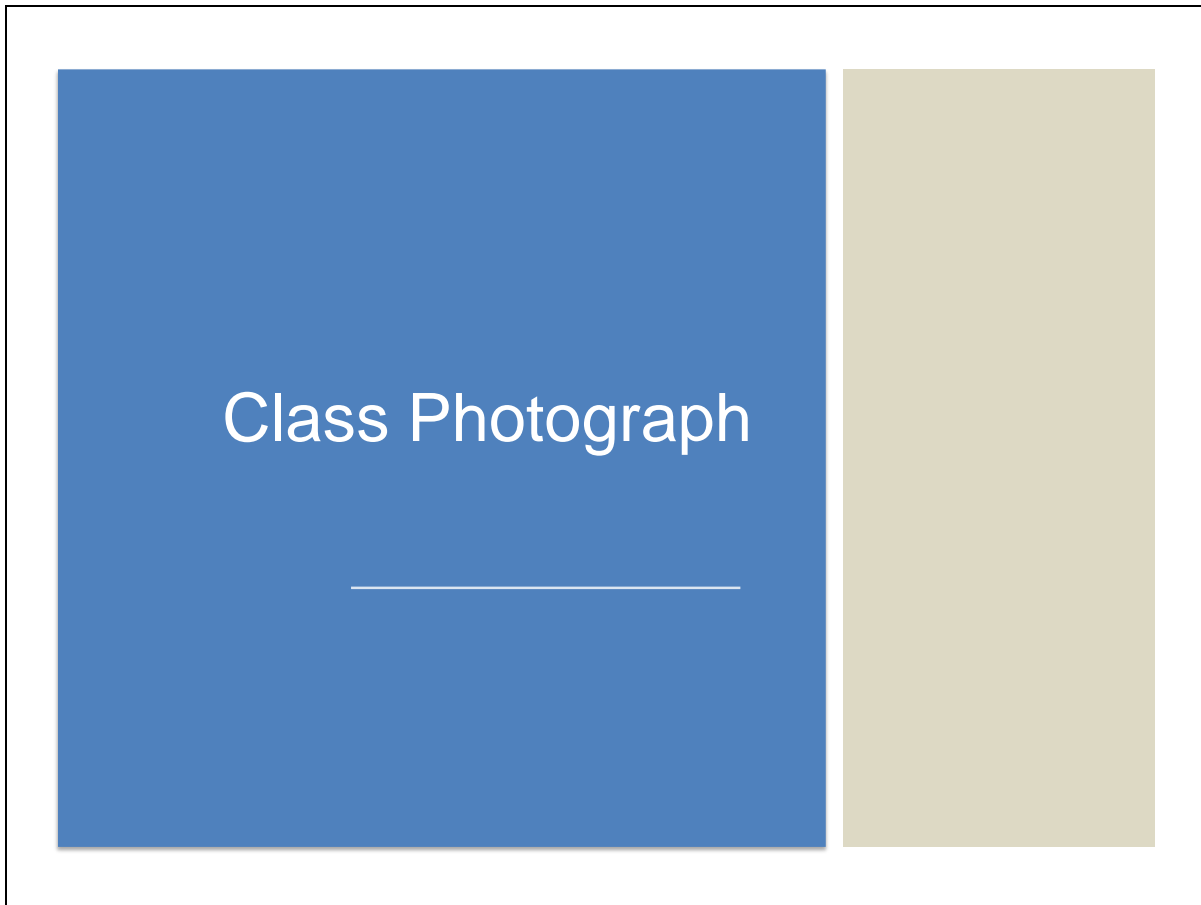
Look ahead to the next lesson of the course: **Project Presentations**

#### What the instructor should cover (in addition to slide content)

Remind participants of requirements/expectations for their project presentations (10 min presentations, plus time for questions)

If Instructor doesn't already have a list of which topic each participant is presenting on, ask participants to confirm these now so groups can be planned for next lesson

Slide 14



**Phase 3. Consolidation (Time allocation - 20 min)**

**Main idea/objective for slide:**

**Class photograph (Time allocation 10 mins)**

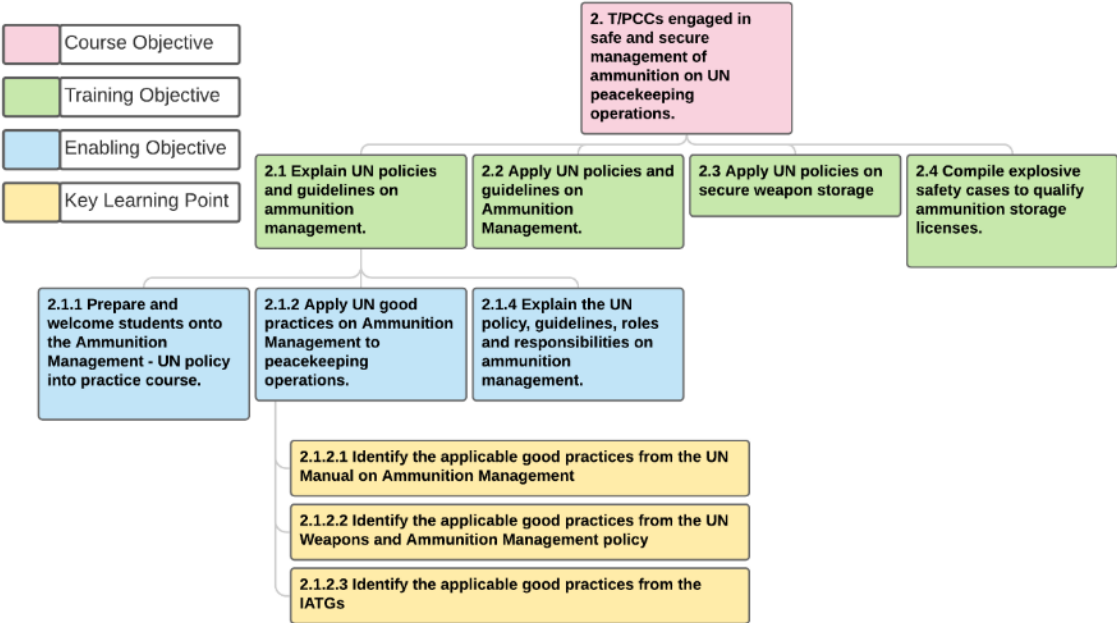
# Lesson 1.2



## Lesson 1.2: Project Presentation

### Weapons and Ammunition Management in UN Peace Operations

In-person course  
Lesson 02



**Section 1. Lesson Specification****Course Details:**

<b>Course Title:</b>	<b>Weapons and Ammunition Management in UN Peace Operations</b> In-person training
<b>Course Objective</b>	2. T/PCCs engaged in safe and secure management of ammunition on UN peacekeeping operations.
<b>Training Objective(s):</b>	2.1 Explain UN policies and guidelines on ammunition management. 2.2 Apply UN policies and guidelines on Ammunition Management. 2.3 Apply UN policies on secure weapon storage 2.4 Compile explosive safety cases to qualify ammunition storage licenses

**Lesson Details:**

<b>Lesson Number and Title:</b>	L02. Project Presentation
<b>Type of Lesson / Session:</b>	In-person, Participant presentation
<b>Duration:</b>	135 mins

**Enabling Objectives, Key Learning Points & Training Outcomes:**

<b>Enabling Objectives:</b>	<b>Key learning Points:</b>
2.1.2 Apply UN good practices on Ammunition Management to peacekeeping operations.	2.1.2.1 Identify the applicable good practices from the UN Manual on Ammunition Management 2.1.2.2 Identify the applicable good practices from the UN Weapons and Ammunition Management Policy 2.1.2.3 Identify the applicable good practices from the IATGs
<b>Performance Statement:</b>	<i>By the end of the lessons the participants will...</i> Apply good practices on Ammunition Management to peacekeeping operations.
<b>Assessment Criteria:</b>	Participants will present a 10-minute brief on their pre-learning project to an instructor and a cohort of peer participants. The brief will be assessed for extent of knowledge and understanding from the Pre-Learning course, and existing experience. Timings to be adjusted depending on number of participants.

**Resource requirements:**

<b>Instructor to participant ratio:</b>	Maximum class size 15.
<b>Interpreters:</b>	1 per instructor
<b>Training Facilities &amp; Equipment:</b>	Classroom, projector and screen, flipcharts
<b>Instructional tools &amp; materials</b>	As required by the participants
<b>Participant Resources:</b>	As required by the participants
<b>Training Safety Points:</b>	Trainer is to make participants aware of course risk assessment in relation to the specific training environment. An example of Health and Safety checklist for classrooms is available here for reference here: <a href="https://www.hse.gov.uk/healthandsafetychecklistforclassrooms/">Health and safety checklist for classrooms (hse.gov.uk)</a>
<b>Key Reference Documents:</b>	<ul style="list-style-type: none"> <li>• UN Manual on Ammunition Management</li> <li>• UN Weapons and Ammunition Management Policy (WAM)</li> <li>• International Ammunition Technical Guidelines (IATG)</li> </ul>

## **SECTION 2: LESSON PLAN**

### **Executive summary:**

During this lesson participants will give individual presentations on a topic selected by them from a list of options in the pre course workbook and prepared by them prior to joining the face-to-face course.

The topics will be varied, but with an overall focus on identifying good practices for ammunition management on peacekeeping operations and the application of the 3 key reference documents (the UN Manual on Ammunition Management, UN Weapons and Ammunition Management Policy and applicable IATGs). This lesson will allow participants to showcase their existing knowledge as well as their learning from the pre-learning course and allow instructors to assess the baseline level of existing participant knowledge, skills and experience.

### **Setup:**

Participants will present to the course participants and facilitators. Timings to be adjusted depending on number of participants.

### **Conduct:**

#### **Phase 1. Introduction (Time allocation - 10 min)**

- Introduce the presentation programme.
- Highlight the expectations of the facilitators.
- Explain timings – Total time (20min per participant); time for presentations (10min), time for questions (5min), time to change over participant (5min).
- Give participants the opportunity to ask questions about the lesson.



**Phase 2. Development**

Stage 1 (Time allocation - 115 mins) – Participant presentations to instructor and group

- The participants take turns presenting their project to the group.
- Question and answer session to be held after each participant has finished.
- Ensure equal time is given to all participants.
- A brief summary session led by the instructor of each group, once all presentations are complete.

**Phase 3. Consolidation (Time allocation - 10 min)**

- Review Enabling objective and Key Learning Points (see Section 1), drawing out any common themes in the participant presentations
- Look ahead to the next lesson of the course:
  - Pre-Assessment Exam – Mult-Choice Questions

**Diagrams / Notes:**

**The titles for the project presentations specified in the pre-course workbook were:**

1. *Describe examples of poor practice and good practice that you have observed, and provide suggestions as to how good practice can be implemented more widely.*
2. *Explain the advantage of good ammunition management practices in relation to UN Peace operations.*
3. *Explain why mixing incompatible ammunition natures (Compatibility Mixing Rules) in storage or during transport can be deadly!*
4. *How do T/PCC Nations determine the right amount of ammunition needed for a UN Mission?*
5. *How can failing to implement a suitable Ammunition Inspection program lead to ammunition incidents and accidents?*
6. *Is weapon storage as critical to the safety of T/PCC personnel as ammunition storage? Explain your answer*
7. *What is the importance of the different quantity distances (Yellow, purple and green lines)?*
8. *Describe your personal experience of ammunition management in your home country. How do your national standards compare to the IATG?*

Slide 1

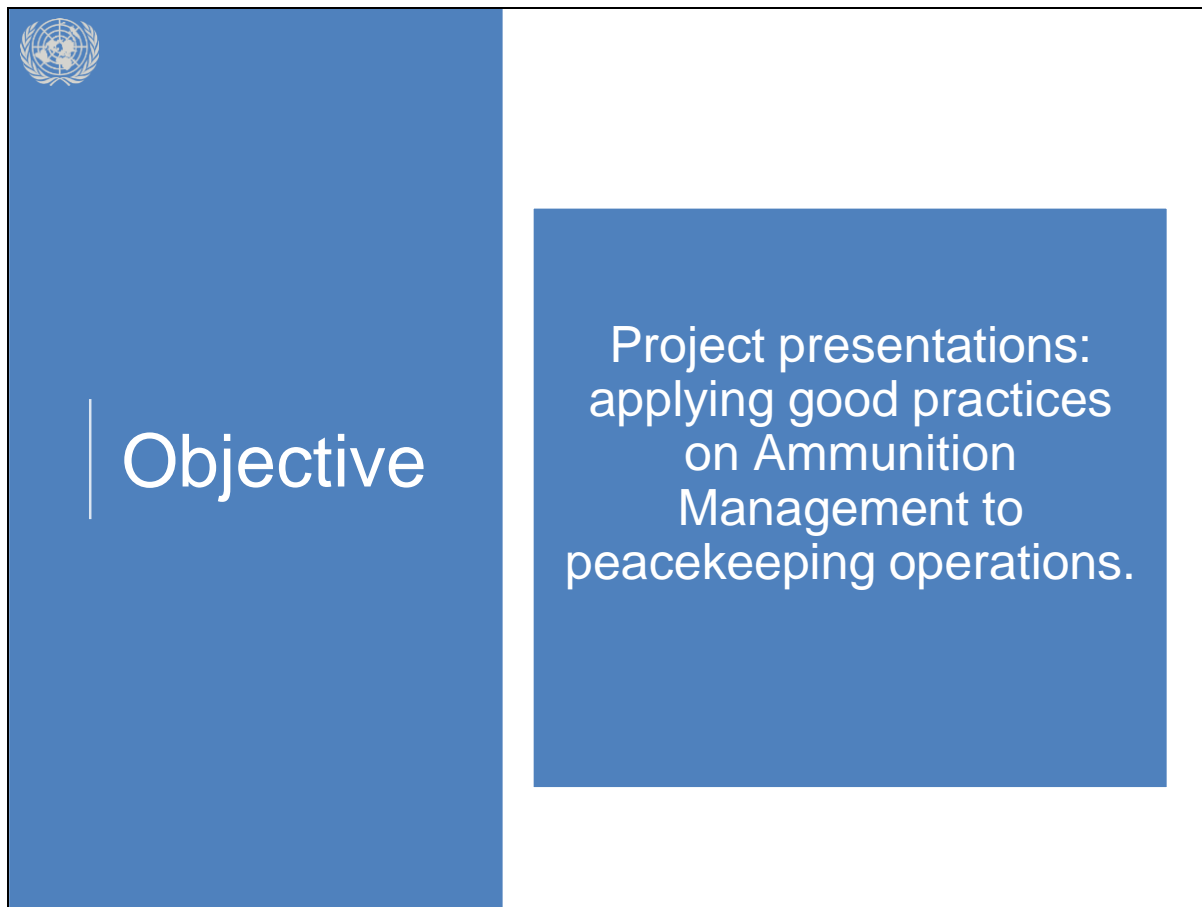


**Key Reference Documents:**

UN Manual on Ammunition Management  
UN Weapons and Ammunition Management Policy (WAM)  
International Ammunition Technical Guidelines (IATG)

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## Slide 2



The slide features a blue background on the left side with the United Nations logo in the top left corner. The word "Objective" is written in white text on this blue background. To the right, a white rectangular area contains a blue box with white text that reads: "Project presentations: applying good practices on Ammunition Management to peacekeeping operations."

**Main idea/objective for slide:****Phase 1. Introduction - Introduce the objectives of the lesson.**

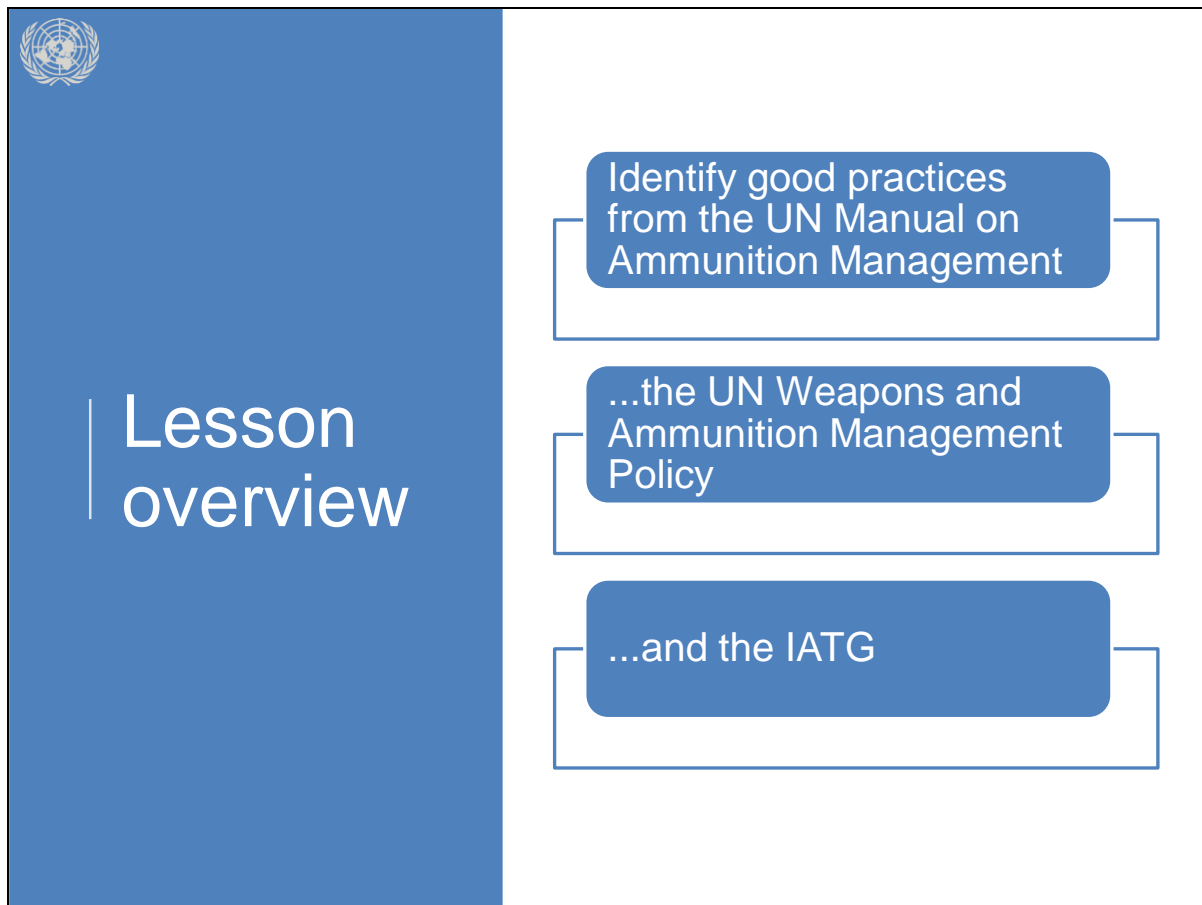
(Enabling Objective: 2.1.2 Apply UN good practices on Ammunition Management to peacekeeping operations.)

**What the instructor should cover (in addition to slide content)**

- By the end of this training session the participant will present on applying UN good practices on Ammunition Management to peacekeeping operations.
- During this lesson participants will give individual presentations on the topics prepared prior to joining the face-to-face course. This lesson will allow participants to showcase their existing knowledge as well as their learning from the pre-course workbook and allow instructors to

assess the baseline level of existing participant knowledge, skills and experience.

Slide 3

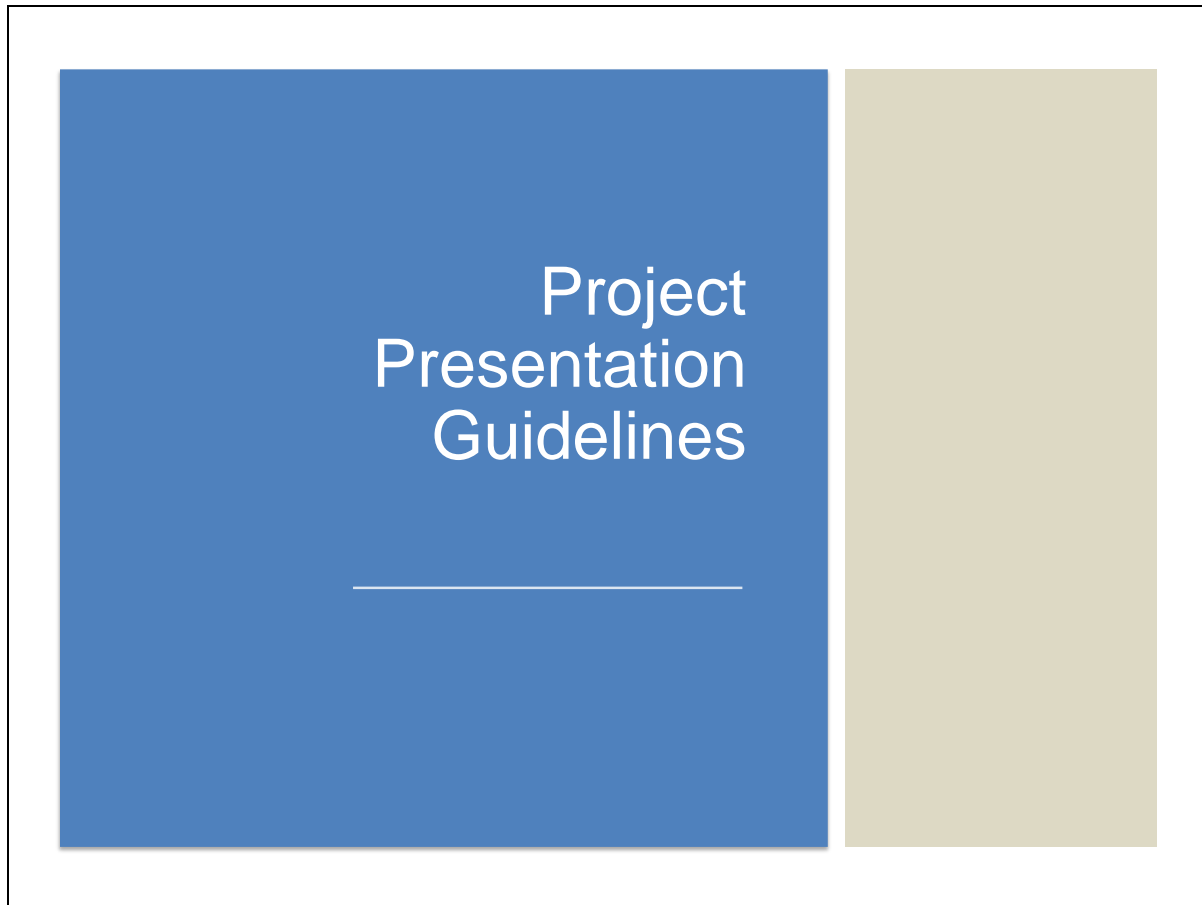


**Main idea/objective for slide:**  
**Introduce the Key Learning Points**

Key Learning Points

- 2.1.2.1 Identify the applicable good practices from the UN Manual on Ammunition Management
- 2.1.2.2 Identify the applicable good practices from the UN Weapons and Ammunition Management policy
- 2.1.2.3 Identify the applicable good practices from the IATG

Slide 4



**Phase 1. Introduction** (Time allocation - 10 min)

**Main idea/objective for slide:**

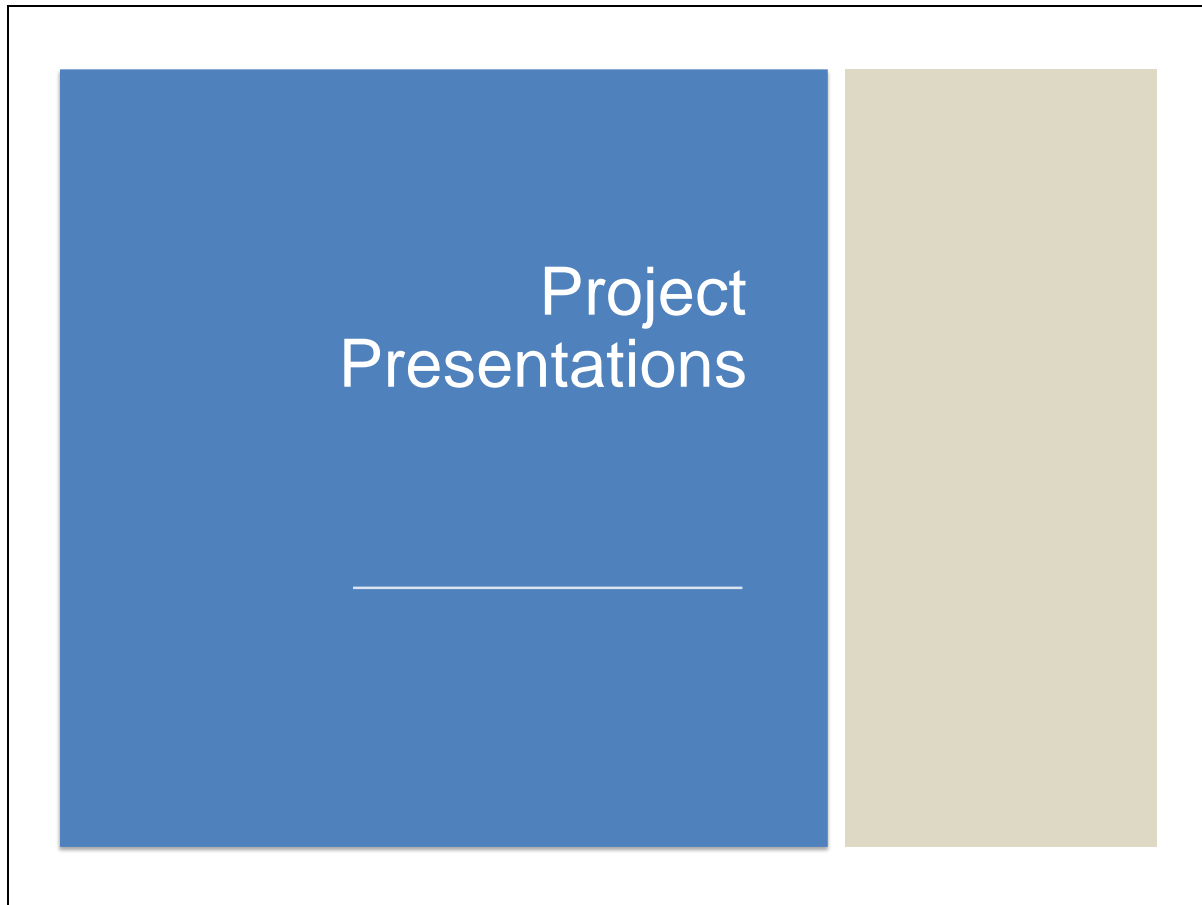
**Explain Project Presentation Guidelines and process**

What the instructor should cover (in addition to slide content)

- Introduce the presentation programme.
- Highlight the expectations of the instructor.
- Explain timings – Total time (20min per participant); time for presentations (10min), time for questions (5min), time to change over participant (5min). Timings to be adjusted depending on amount of participants.
- Give participants the opportunity to ask questions about the lesson.

Divide participants into groups (6-8 participants per group) with an instructor allocated to each group. Attempts should be made to achieve a spread of nationalities, rank and to ensure each member of the group is presenting on a different topic.

Slide 5

**Phase 2. Development (Time allocation - 115 min)****Main idea/objective for slide:****participant presentations to instructor and group - (Time allocation - 115 mins)**

Participant projects (10min brief with 5 min Q&A) - participant will have selected one option from below:

- *Describe examples of poor practice and good practice that you have observed, and provide suggestions as to how good practice can be implemented more widely.*
- *Explain the advantage of good ammunition management practices in relation to UN Peace operations.*

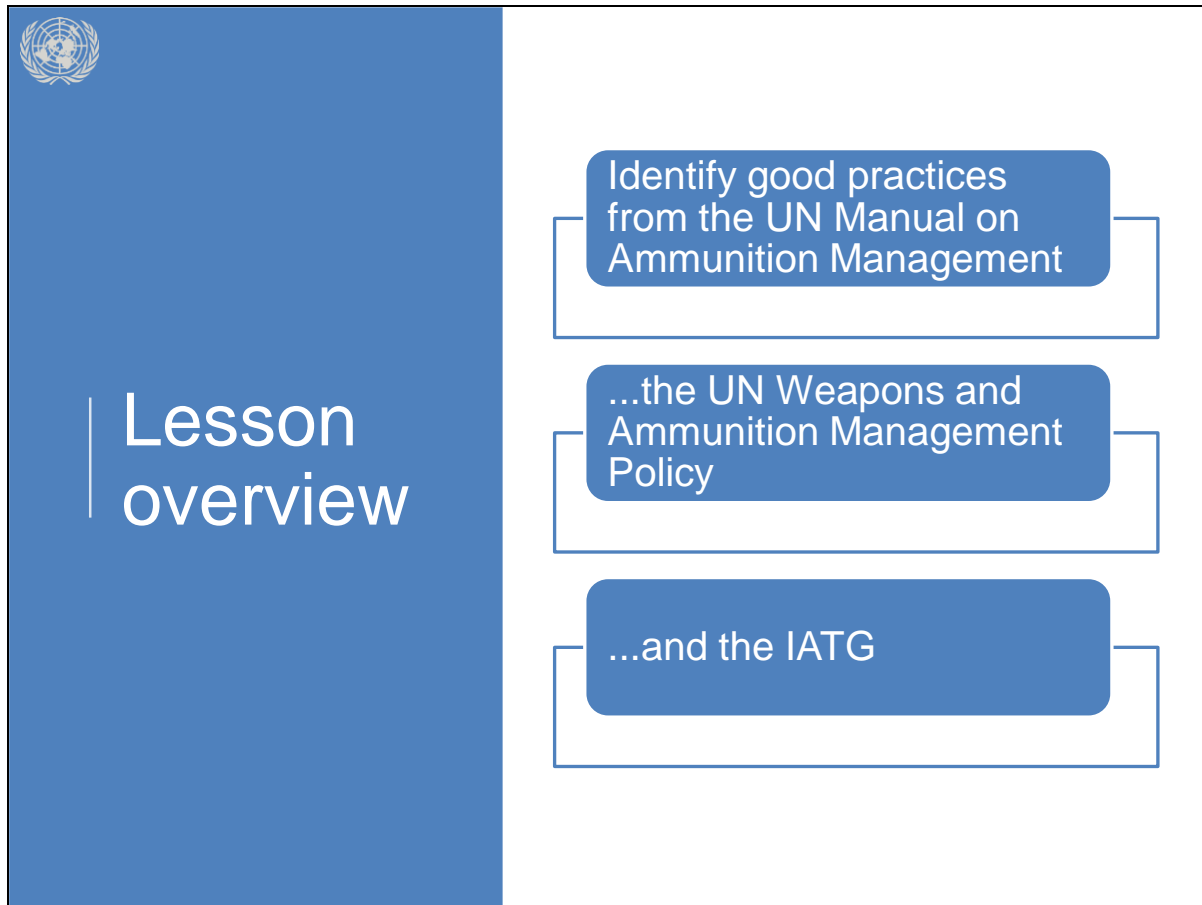


- *Explain why mixing incompatible ammunition natures (Compatibility Mixing Rules) in storage or during transport can be deadly!*
- *How do T/PCC Nations determine the right amount of ammunition needed for a UN Mission?*
- *How can failing to implement a suitable Ammunition Inspection program lead to ammunition incidents and accidents?*
- *Is weapon storage as critical to the safety of T/PCC personnel as ammunition storage? Explain your answer*
- *What is the importance of the different quantity distances (Yellow, purple and green lines)?*
- *Describe your personal experience of ammunition management in your home country. How do your national standards compare to the IATG?*

What the instructor should cover (in addition to slide content)

- The participants take turns presenting their project to their group.
- Question and answer session to be held after each participant has finished.
- Ensure equal time is given to all participants.
- A brief summary session led by the instructor of each group, once all presentations are complete.

## Slide 6



## Summary

This lesson focused on identifying good practices for ammunition management in peacekeeping operations and applying the three key reference documents: the UN Manual on Ammunition Management, the UN Weapons and Ammunition Management Policy, and the applicable IATGs. It allowed us to:

- Identify and comprehend the relevant good practices from the UN Weapons and Ammunition Management policy.
- Understand and apply the good practices from the International Ammunition Technical Guidelines (IATG).
- Implement these identified UN good practices in a case study focused on peacekeeping operations, enhancing practical application skills.

Slide 7



**Main idea/objective for slide:**

Look ahead to the next lesson of the course:

Pre-Assessment Exam - MCQ

# Lesson 1.3



## Lesson 1.3: Initial Assessment

Slide 1



**45 minute multiple choice test to allow participants to showcase their existing knowledge as well as their learning from the pre-course workbook and allow instructors to assess the baseline level of existing participant knowledge, skills and experience.**

This could be a good opportunity for participants to submit their pre course workbooks for instructors to review participant responses to the workbook questions, while participants complete the test.

Presentations, test results and workbook answers should be used by instructors to assess baseline level of knowledge, skills and experience of each participant, identify any areas that require further support and tailor the in-person training accordingly.

Workbooks should be returned to participants for lesson 4 onwards, as reference material for the remainder of the course.

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## Summary

After the initial assessment and conducting in-class corrections, the following activities were carried out to establish and identify a uniform baseline level among participants:

- **Review Test Results:** Analyze test outcomes to identify common areas of strength and weakness.
- **Conduct In-Class Corrections:** Provide detailed explanations and correct answers to ensure all students understand the material.
- **Identify Knowledge Gaps:** Highlight and address specific knowledge gaps revealed by the test.
- **Ensure Baseline Understanding:** Facilitate discussions and supplementary activities to ensure all participants achieve the same baseline level of understanding.

# Lesson 1.4

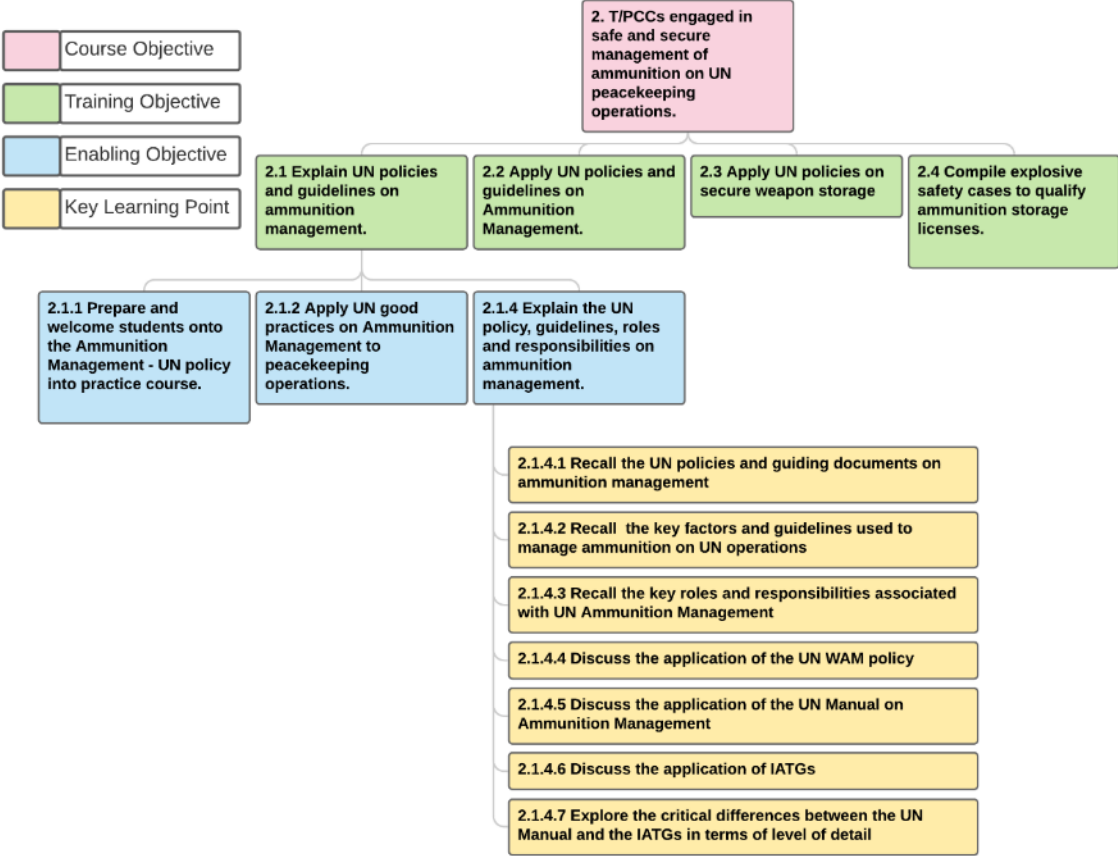


## Lesson 1.4: UN Policy, Guidelines, Roles and Responsibilities

### Weapons and Ammunition Management in UN Peace Operations

In-person course

Lesson 04



**Section 1. Lesson Specification****Course Details:**

<b>Course Title:</b>	<b>Weapons and Ammunition Management in UN Peace Operations</b> In-person training
<b>Course Objective</b>	2. T/PCCs engaged in safe and secure management of ammunition on UN peacekeeping operations.
<b>Training Objective(s):</b>	2.1 Explain UN policies and guidelines on ammunition management. 2.2 Apply UN policies and guidelines on Ammunition Management. 2.3 Apply UN policies on secure weapon storage 2.4 Compile explosive safety cases to qualify ammunition storage licenses

**Lesson Details:**

<b>Lesson Number and Title:</b>	L04. UN Policy, Guidelines, Roles and Responsibilities
<b>Type of Lesson / Session:</b>	In-person lesson and exercise
<b>Duration:</b>	90 mins

**Enabling Objectives, Key Learning Points & Training Outcomes:**

<b>Enabling Objectives:</b>	<b>Key learning Points:</b>
2.1.4 Explain the UN policy, guidelines, roles and responsibilities on ammunition management.	2.1.4.1 Recall the UN policies and guiding documents on ammunition management 2.1.4.2 Recall the key factors and guidelines used to manage ammunition on UN operations 2.1.4.3 Recall the key roles and responsibilities associated with UN Ammunition Management 2.1.4.4 Discuss the application of the UN WAM policy 2.1.4.5 Discuss the application of the UN Manual on Ammunition Management 2.1.4.6 Discuss the application of IATGs 2.1.4.7 Explore the critical differences between the UN Manual and the IATGs in terms of level of detail
<b>Performance Statement:</b>	<i>By the end of the lessons the participants will...</i> Explain the UN policy, guidelines, roles and responsibilities on ammunition management.
<b>Assessment Criteria:</b>	Participants will be exercised in small groups to find specific related topics, provided by the instructor, within the relevant documentation.



**Resource requirements:**

<b>Instructor to participant ratio:</b>	Maximum class size 15.
<b>Interpreters:</b>	1 per instructor
<b>Training Facilities &amp; Equipment:</b>	Classroom
<b>Instructional tools &amp; materials</b>	Projector, Screen, Flipchart and whiteboard, Computer and Internet
<b>Participant Resources:</b>	<ul style="list-style-type: none"> <li>• Copy of UN Manual on Ammunition Management</li> <li>• Copy of UN Weapons and Ammunition Management Policy (WAM)</li> <li>• Full size printouts of some slides where required – see slide notes for details. Instructor to check for latest versions/amendments and use those.</li> </ul>
<b>Training Safety Points:</b>	<p>Trainer is to make participants aware of course risk assessment in relation to the specific training environment.</p> <p>An example of Health and Safety checklist for classrooms is available here for reference here:  <a href="http://www.hse.gov.uk/risk/classroom-checklist.pdf">http://www.hse.gov.uk/risk/classroom-checklist.pdf</a></p>
<b>Key Reference Documents:</b>	<ul style="list-style-type: none"> <li>• UN Manual on Ammunition Management</li> <li>• UN Weapons and Ammunition Management Policy (WAM)</li> <li>• International Ammunition Technical Guidelines (IATG) [Online]</li> </ul>

**SECTION 2: LESSON PLAN****Executive summary:**

During this lesson participants will investigate the UN policy, guidelines, roles and responsibilities on ammunition management. They will recall the UN policies and guiding documents on ammunition management from the e-learning package, along with the key factors and guidelines used to manage ammunition and the key roles and responsibilities associated with UN Ammunition Management on UN operations. The class will discuss the application of the UN WAM policy, UN Manual on Ammunition Management and the application of IATGs, including against an operational case study.

**Setup:**

This lesson will be delivered to the class as a single collective. During Stage 4 of Phase 2 there will be the requirement for multiple instructors to be present to assist with supporting the participants on the exercise.

**Conduct:**

**Phase 1. Introduction (Time allocation - 20 min)**



- Introduce the objectives of the lesson.
- Hand out copies of the UN Manual of Ammunition Management, the UN's Weapons and Ammunition Policy and participant handouts.
- Briefly discuss the key factors and guidelines for Ammunition Storage Management and how they relate to UN Peace Operations.
- Briefly discuss the key role and responsibilities for Ammunition Storage Management and how they relate to UN Peace Operations.
- Emphasise the importance and relevance of implementing the UN's Policies, Rules and Regulations in all UN Field missions.

## **Phase 2. Development**

Stage 1 (Time allocation 15 mins) – UN Manual of Ammunition Management

- Discuss the scope of the manual introducing all chapters, giving a brief overview of each topic.
- Stress the importance of the terms 'Shall/Must', "Should", "May" and "Can" as they are applied to this manual
- Discuss the Weapons and Ammunition Advisory Boards (WAAB) role in UN Ammunition Management
- Highlight the roles within the WAAB and discuss their key responsibilities
- Discuss where the participants will be expected to operate within the UN structure and who they will be interacting with in terms of ammunition management in a UN peace operation.

Stage 2 (Time allocation 15 mins) – UN Weapons and Ammunition Management Policy

- Discuss the scope of the policy and introduce all parts, giving a brief overview of their context.
- Discuss the UN Weapons and Ammunition Policy's role in UN Operations.
- Highlight the importance of adherence to the policy in the field, based on previous experience.
- Briefly introduce the background to the policy development and the motivating factors for its creation.

Stage 3 (Time allocation 15 mins) – International Ammunition Technical Guidelines (IATG)

- Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.
- Using an online resource, demonstrate to the participants how to navigate the IATG website and how to find information relevant to ammunition storage.
- Discuss the importance of referring to the IATG for deeper guidance on Ammunition storage and management.

Stage 4 (Time allocation 15 mins) – Participant Exercise

Part 1: Participants compare WAM and IATG sections on fire safety:

- Using the online resources and handouts, review the fire protection section in the UN Manual on WAM (1.8). Compare this to the IATG section on fire safety (2.5).
- Participants can work individually or in pairs.
- All instructors are to move about and support the class as they use the reference material, then lead a class discussion on findings.

Part 2: Participant exercise to practice using reference documents and reinforce stockpile principles and temporary storage responsibilities:

- Present the questions on the slides:
  1. What are the principles of stockpile security in a UN field mission?
  2. What does the UN Manual on AM say about who is responsible and what procedures should be followed for temporary ammunition storage?
- Participants can work individually or in pairs
- All instructors are to move about and support the class as they use the reference material.
- Regarding the responsibilities, draw on the participants experiences in missions by asking them to explain any previous interactions they had with the SATO and DSS personnel.
- References/Further reading: Question 1 refer to IATG 09.10 section 6.1 (page 9). Question 2 refer to Section 1.6 of the UN Manual on AM and from there follow the reference to IATG 4.2 (use the old version of the document while the new version is being drafted) and 3.1 and 3.2.

**Phase 3. Consolidation (Time allocation - 10 min)**

- Review Enabling objective and Key Learning Points (see Section 1), drawing out any common themes in the participant exercise
- Look ahead to the next lesson of the course:
  - Contingent levels of Operational Ammunition

Slide 1

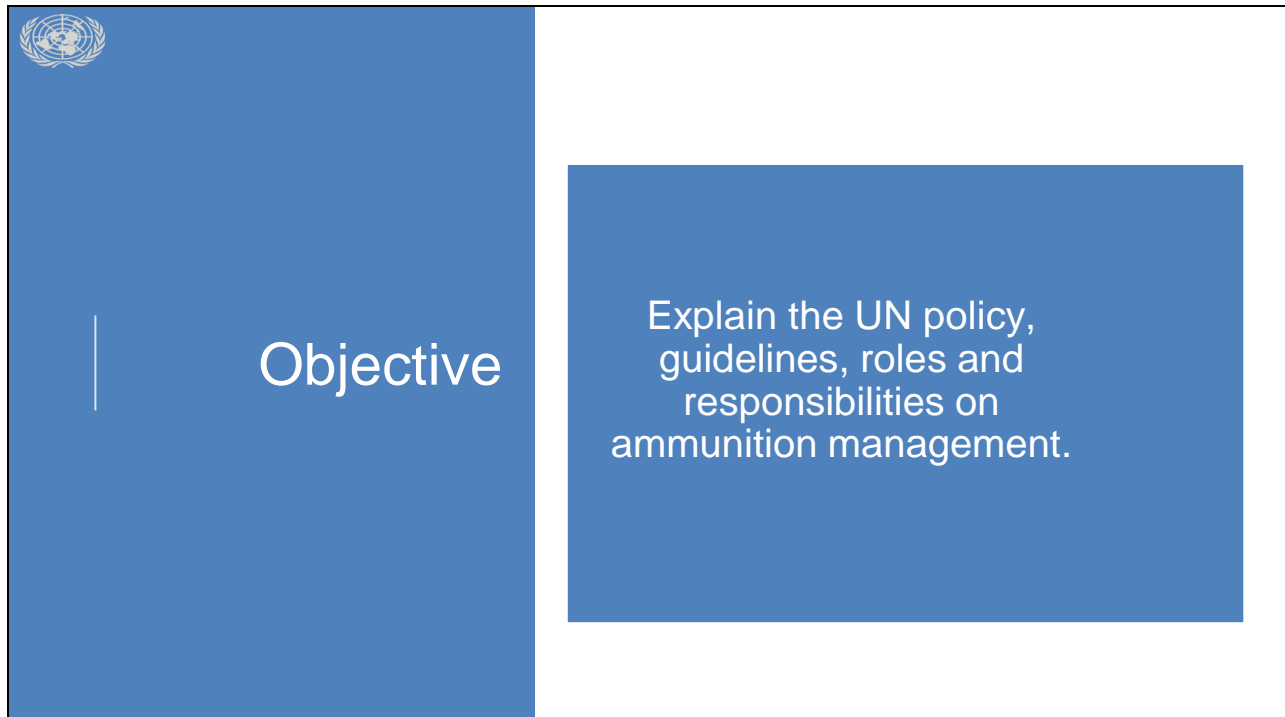


**Key Reference Documents for lesson:**

- UN Manual on Ammunition Management
- UN Weapons and Ammunition Management Policy (WAM)
- International Ammunition Technical Guidelines (IATG)

**All photographs in this lesson are © United Nations unless otherwise stated.**

Slide 2



Objective

Explain the UN policy, guidelines, roles and responsibilities on ammunition management.

**Main idea/objective for slide:**

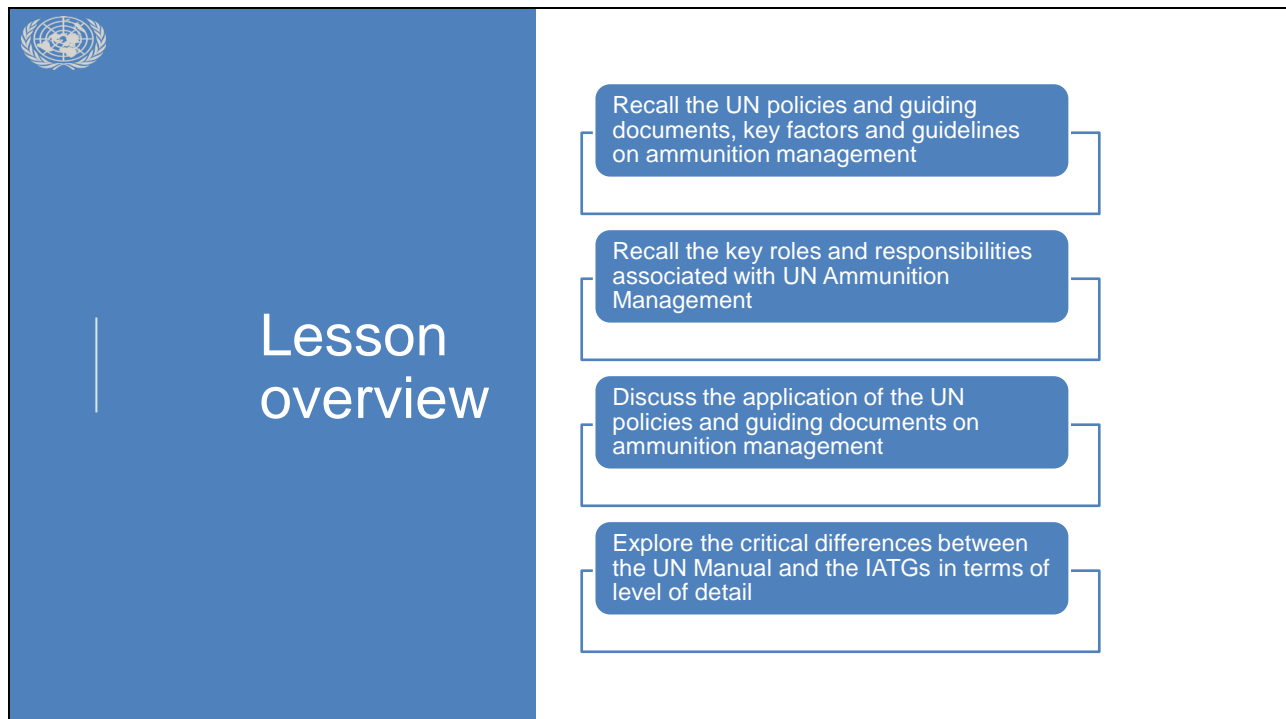
**Phase 1. Introduction - Introduce the objectives of the lesson.**

(Enabling Objective: 2.1.4 Explain the UN policy, guidelines, roles and responsibilities on ammunition management.)

What the instructor should cover (in addition to slide content)

By the end of this training session the participant will explain the UN policy, guidelines, roles and responsibilities on ammunition management.

Slide 3



The slide features a blue vertical bar on the left with the UN logo at the top and the text 'Lesson overview' in white. To the right, four blue rounded rectangular boxes are stacked vertically, each containing a learning objective. The boxes are connected to the main content area by thin blue lines.

**Lesson overview**

- Recall the UN policies and guiding documents, key factors and guidelines on ammunition management
- Recall the key roles and responsibilities associated with UN Ammunition Management
- Discuss the application of the UN policies and guiding documents on ammunition management
- Explore the critical differences between the UN Manual and the IATGs in terms of level of detail

**Main idea/objective for slide:**  
**Introduce the Key Learning Points**

What the instructor should cover (in addition to slide content)  
 Emphasise 'recall' – this is revisiting/revising content covered in the workbook

Key Learning Points =

- 2.1.4.1 Recall the UN policies and guiding documents on ammunition management
- 2.1.4.2 Recall the key factors and guidelines used to manage ammunition on UN operations
- 2.1.4.3 Recall the key roles and responsibilities associated with UN Ammunition Management
- 2.1.4.4 Discuss the application of the UN WAM policy
- 2.1.4.5 Discuss the application of the UN Manual on Ammunition Management
- 2.1.4.6 Discuss the application of IATGs
- 2.1.4.7 Explore the critical differences between the UN Manual and the IATGs in terms of level of detail

Slide 4



**Phase 1. Introduction** (Time allocation - 20 min)

**Main idea/objective for slide:**

**Hand out copies of the UN Manual of Ammunition Management, the UN's Weapons and Ammunition Policy and participant handouts.**

Slide 5



**Factors and Guidelines**


- Ammunition storage and management is a TCC responsibility
- Refer to IATG 04.10 guidelines for temporary storage, processing and explosive safety
- Storage records kept by relevant authority according to IATG 03.10 and 03.20
- All ammunition shall be safe and suitable for service

**Main idea/objective for slide:**

**Briefly discuss the key factors and guidelines for Ammunition Storage Management according to the UN Policy on Ammunition Management and how they relate to UN Peace Operations.**

Image provided by Hoplite Consulting Ltd.

Slide 6



## Roles and Responsibilities

- **UN-Wide System:**
  - Everyone, from HQ to missions shall adhere to WAM policies, guidelines & procedures
  
- **T/PCC's:**
  - Suitably trained personnel
  - Required number of weapons & ammunition
  - Trained WAM specialists (1-2 minimum) as per Statement of Unit Requirements

**Main idea/objective for slide:**

**Briefly discuss the key role and responsibilities for Ammunition Storage Management and how they relate to UN Peace Operations. Emphasise the importance and relevance of implementing the UN's Policies, Rules and Regulations in all UN Field missions.**

What the instructor should cover (in addition to slide content)

The fact that these are the roles and responsibilities according to the UN Weapons and Ammunition Management Policy (WAM)

**References/further reading**

UN-wide system

All personnel involved in WAM and related activities at UNHQ and in DPO/DOS/DPPA supported missions have an individual responsibility for their own actions and shall adhere to the established weapons and ammunition standards, policies, guidelines and procedures.




## T/PCCs

60. T/PCCs are responsible for deploying the required number of weapons and ammunition that meet the requirements. For the execution of tasks related to weapons and ammunition.

T/PCCs shall only deploy personnel that are specifically trained on the weapons and ammunition they use and handle in the field. Each battalion or independent unit shall have one or two trained specialists on WAM, as per the Statement of Unit Requirement. The requirements for these specialists are laid down in the Manual on Ammunition Management.

Slide 7



## Roles and Responsibilities

**Mission Level:**

- Head of Mission
- Force Commander
- Police Commissioner
- Director of Mission Support
- Chief Security Advisor
- Designated Official
- WAAB
- SATO
- USG DPO, USG DOS and USG DPPA
- USG DSS
- OMA

**Main idea/objective for slide:**

**Briefly discuss the key role and responsibilities for Ammunition Storage Management and how they relate to UN Peace Operations.**

**Emphasise the importance and relevance of implementing the UN's Policies, Rules and Regulations in all UN Field missions.**

What the instructor should cover (in addition to slide content)

**The numbers refer to the paragraphs in the UN WAM Policy**

61. The Head of Mission shall be accountable to the Under-Secretary-General (USG) DPO or USG DPPA, and to USG DOS and to USG DSS, and shall be responsible for the implementation of WAM related policies in the mission. The Head of Mission is ultimately responsible for decisions made in implementation of the WAM Policy.

62. The Force Commander (Head of Mission Military Component) shall be responsible for ensuring compliance with WAM-related policies, guidance and procedures by the military component of the mission. These shall be integrated into the relevant decision-making processes and procedures.

63. The Police Commissioner (Head of Police Component) shall be responsible for ensuring compliance with WAM related policies, guidance and procedures by the police component of the mission. These shall be integrated into the relevant decision-making processes and procedures.

64. Director/Chief of Mission Support shall be responsible and accountable to the Head of Mission for ensuring that the implementation of WAM policies, guidance and procedures are duly supported logistically and as otherwise required

65. Principal/Chief Security Adviser shall be responsible for advising the HoM/Designated Official and Security Management Team in their security functions.

66. Designated Official shall be accountable to the Secretary-General, through the USG DSS and is responsible for the security of UN personnel, premises and assets in the Designated Area. The Secretary-General delegates to the Designated Official the requisite authority to take decisions, according to the existing policies governing the UN Security Management System.

67. Weapons and Ammunition Advisory Board (WAAB) shall be responsible for providing advice on all WAM related aspects, with the exception of the use of force.

68. Senior Ammunition Technical Officer (ATO) shall be responsible for advising the Force Commander, the WAAB and the Head of Mission on all ammunition and explosives safety matters. The roles and responsibilities of the mission ATO are described in the Manual on Ammunition Management.

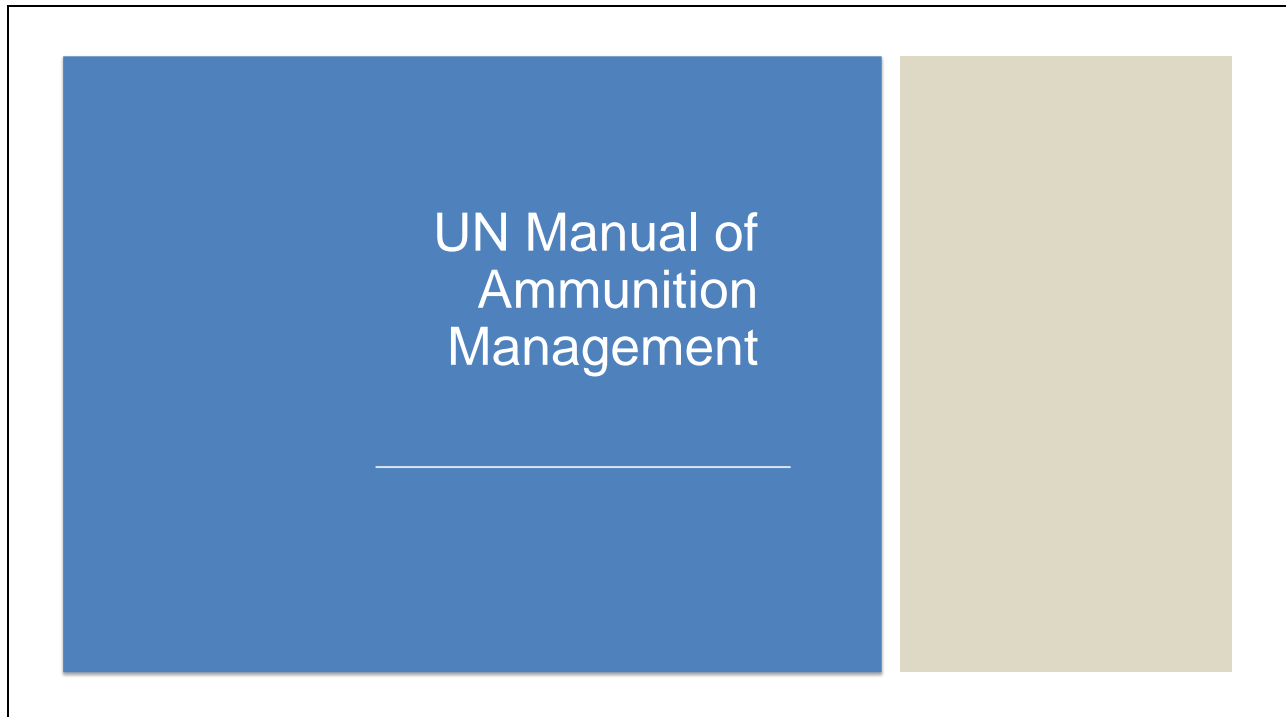
#### UN Headquarters

69. USG DPO, USG DOS (for DPO/DOS Missions) and USG DPPA (for the Special Political Missions) exercise the overall oversight of the field missions under their purview. Within the existing framework, while receiving technical support from the specialized UN entities they exercise oversight over the implementation of peace operations policies by the field operations, including the WAM Policy.

70. USG DSS shall be responsible for the authorization to carry firearms and the type of firearms and ammunition, for use by UN Security Officers.

71. The Military Adviser for Peace Operations (Office of Military Affairs), as custodian of the WAM Policy, shall be responsible for keeping this Policy document updated.

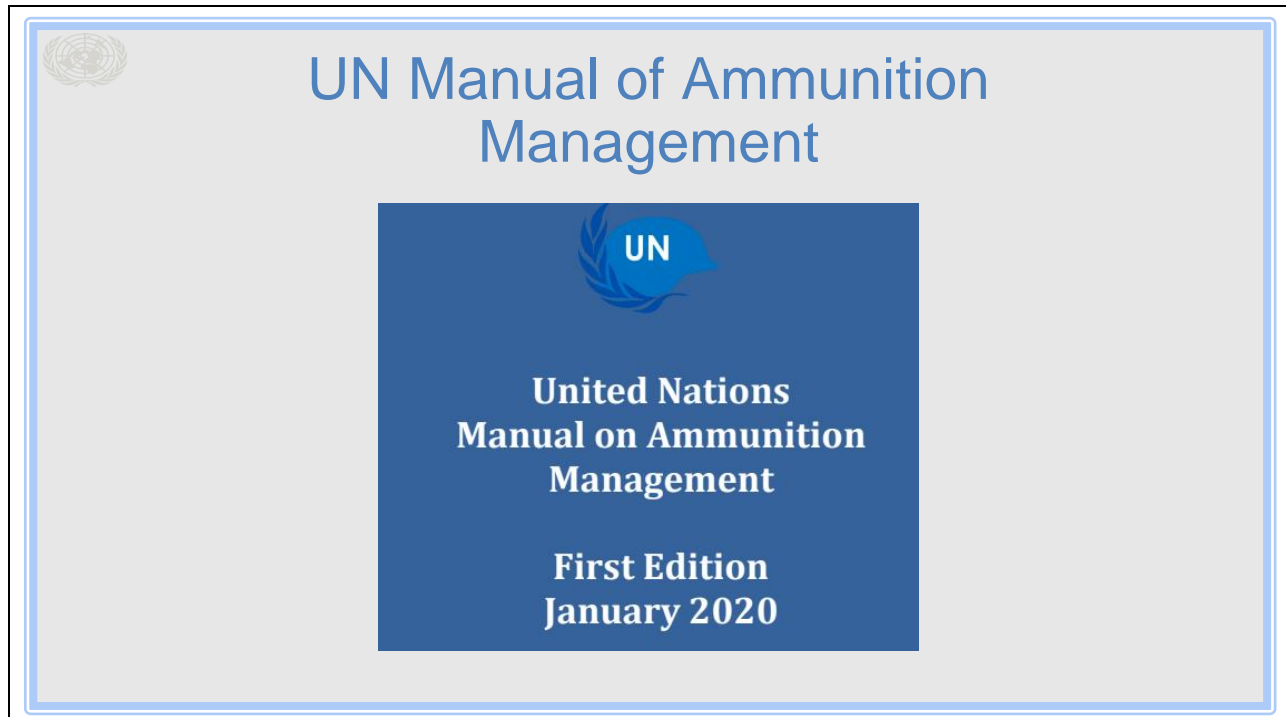
Slide 8



**Phase 2. Development** (Time allocation - 60 min)

Stage 1 (Time allocation 15 mins) – UN Manual of Ammunition Management

Slide 9




**Main idea/objective for slide:**  
**Discuss the scope of the manual**

Participant activity

participants may have some familiarity with manual before the course, and will have now completed the workbook. Ask the participants 'what is the scope of the manual?'

What the instructor should cover (in addition to slide content)

This manual does not address all situations, nor does it provide the answers to all issues that may arise. In such circumstances where the answer is not provided, consultation should be made to the Weapons and Ammunition Advisory Board (WAAB) in the field missions. Issues that could apply globally for all missions should be raised to the UNHQ COE/MOU Management Review Board (CMMRB) through the Field CMMRB.



# Chapter 1

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1.2 Critical Ammunition Safety Elements Under United Nations Peace Operations	2	1.10 Weather Protection	13
1.3 Ammunition Storage Container	4	1.11 Electrical Safety	14
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1.5 Location of Ammunition Storage Area	5	1.13 Barricades	15
1.6 Ammunition Management	5	1.14 Accident Report and Investigation	15
1.7 Physical Protection and Security	6	1.15 Inspection and Evaluation	16
1.8 Fire Protection	7		


**Main idea/objective for slide:**

- **introducing all chapters, giving a brief overview of each topic.**

What the instructor should cover (in addition to slide content)

This chapter is designed to provide common standards for the storage of ammunition and general safety norms and practices based on international regulations and guidance to minimize the risk posed by stockpiles of ammunition. It provides the basic specifications for the ammunition container as required by the United Nations. The IATG are used as a basis for guidance provided herein and are cited throughout accordingly.

Slide 11



## Chapter 2

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2.5 Mission-Specific Requirement of Operational Ammunition	19
2.6 Confirmation of the Type and Level of Ammunition during pre-deployment visits (PDV)	20


**Main idea/objective for slide:**

- **introducing all chapters, giving a brief overview of each topic.**

What the instructor should cover (in addition to slide content)

This chapter provides guidance to T/PCCs prior to initial deployment regarding the minimum and maximum levels of ammunition per weapon/person and type, based on the operational and logistic requirements for each type of unit in a specific peace operation.

Slide 12



## Chapter 3

Chapter 3: Shelf Life of Ammunition	
3.1 Introduction	21
3.2 Purpose of Determining Shelf Life	21
3.3 Ageing and Degradation of Ammunition	21
3.4 Determining Shelf Life	22
3.5 Upper Age Limit of Ammunition	25


**Main idea/objective for slide:**

- **introducing all chapters, giving a brief overview of each topic.**

What the instructor should cover (in addition to slide content)

The chapter prescribes the recommended shelf life of ammunition based on storage/climatic conditions and an upper age limit of ammunition to be deployed in the mission area.





## Chapter 4

Chapter 4: Expiration, Replenishment and Disposal of Ammunition	
4.1 Introduction	26
4.2 Identification of Expired Ammunition	26
4.3 Disposal of Unserviceable Ammunition	27
4.4 Processing of Operational Ammunition Expenditure	27


**Main idea/objective for slide:**

- **introducing all chapters, giving a brief overview of each topic.**

What the instructor should cover (in addition to slide content)

The chapter provides procedures to be taken after ammunition expiration including range management. This chapter also describes a process to replenish and dispose of expired ammunition.

Slide 14



## Chapter 5


Chapter 5: Serviceability Checks and Training for Small Arms Training	
5.1 Introduction	28
5.2 Requirement of Training/ Practice Firing Ranges	28
5.3 Frequency of Practice/ Firing Training	29
5.4 Determination of Scale	29
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**Main idea/objective for slide:**

- **introducing all chapters, giving a brief overview of each topic.**

What the instructor should cover (in addition to slide content)

This chapter sets the requirement and standards for weapons firing training T/PCCs should also use to confirm the serviceability of weapons. Although training ammunition is a national responsibility, this chapter offers guidelines to regulate the scales and standardizes the ammunition stockpile in the mission which affects its safety and storage.



## Chapter 6 Annexes

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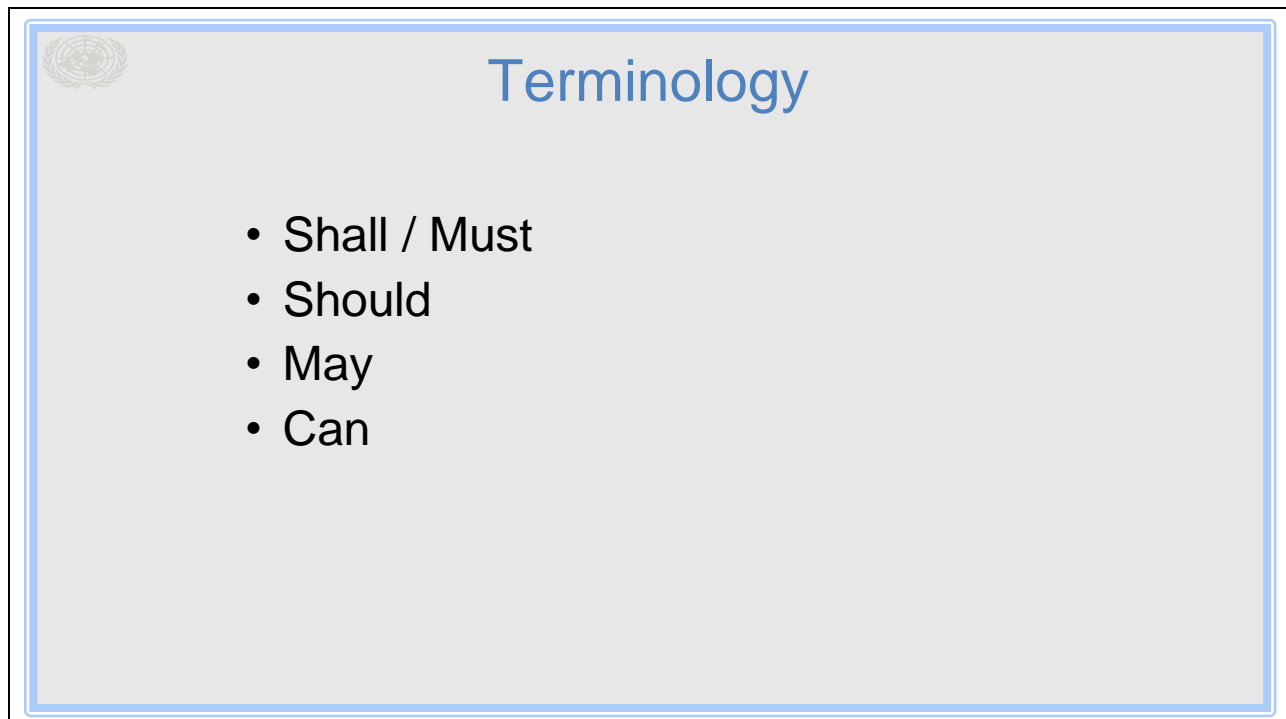
**Main idea/objective for slide:**

- **introducing all chapters, giving a brief overview of each topic.**

What the instructor should cover (in addition to slide content)

We will be using these annexes throughout the training in different exercises

Slide 16



The slide features a light blue background with a thin blue border. In the top left corner is the United Nations logo. The title 'Terminology' is centered at the top in a blue font. Below the title is a bulleted list of four terms: 'Shall / Must', 'Should', 'May', and 'Can'.

**Main idea/objective for slide:**

**Stress the importance of the terms ‘Shall/Must’, ‘Should’, ‘May’ and ‘Can’ as they are applied to this manual**

participant activity

Ask the participants what these terms mean in the manual, what is the difference between them?

Ask the participants to find examples of each term in the Manual and to discuss the implications of each for WAM in peace operations.


What the instructor should cover (in addition to slide content)

- Shall/Must: indicates a requirement. It is used to indicate requirements strictly to be followed.
- Should: indicates a recommendation. It is used to indicate that, among several possibilities, one is recommended as particularly suitable, without mentioning or excluding others, or that a certain course of action is preferred but not necessarily required, or that (in the negative form, "should not") a

certain possibility or course of action is not necessarily recommended but not prohibited.

- May: indicates permission. It is used to indicate a course of action permissible within the limits of the document.
- Can: is used for statements indicating possibility and capability, whether material, physical or causal.

Slide 17



## Weapons and Ammunition Advisory Board (WAAB)


- WAAB shall be responsible for advising the Mission's Senior Management Team on all aspects of Weapons and Ammunition Management (WAM).
- The WAAB provides a platform to address issues and concerns and ensures that critical ammunition safety matters are addressed.
- Board meetings should occur at least once per month.

**Main idea/objective for slide:**

- **Discuss the Weapons and Ammunition Advisory Boards (WAAB) role in UN Ammunition Management**

participant activity

Ask the participants about their experiences interacting with the WAAB in a UN mission. What experiences have the participants with other structures for the WAAB equivalent in other organisations or at national level?



## WAAB Composition

- Mission Chief of Staff or an equivalent level senior official: Chair of the Board.
- Head of Military and Police Components or representative.
- Senior Ammunition Technical Officer (SATO)
- Other Explosives and Weapons Specialists
- Unit Points of Contact.
- Mission Support COE Unit
- Mission Support Engineering Section
- UNDSS
- Medical Service

**Main idea/objective for slide:**

**Discuss where the participants will be expected to operate within the UN structure and who they will be interacting with in terms of ammunition management in a UN peace operation.**

**Highlight the roles within the WAAB and discuss their key responsibilities**

Slide 19

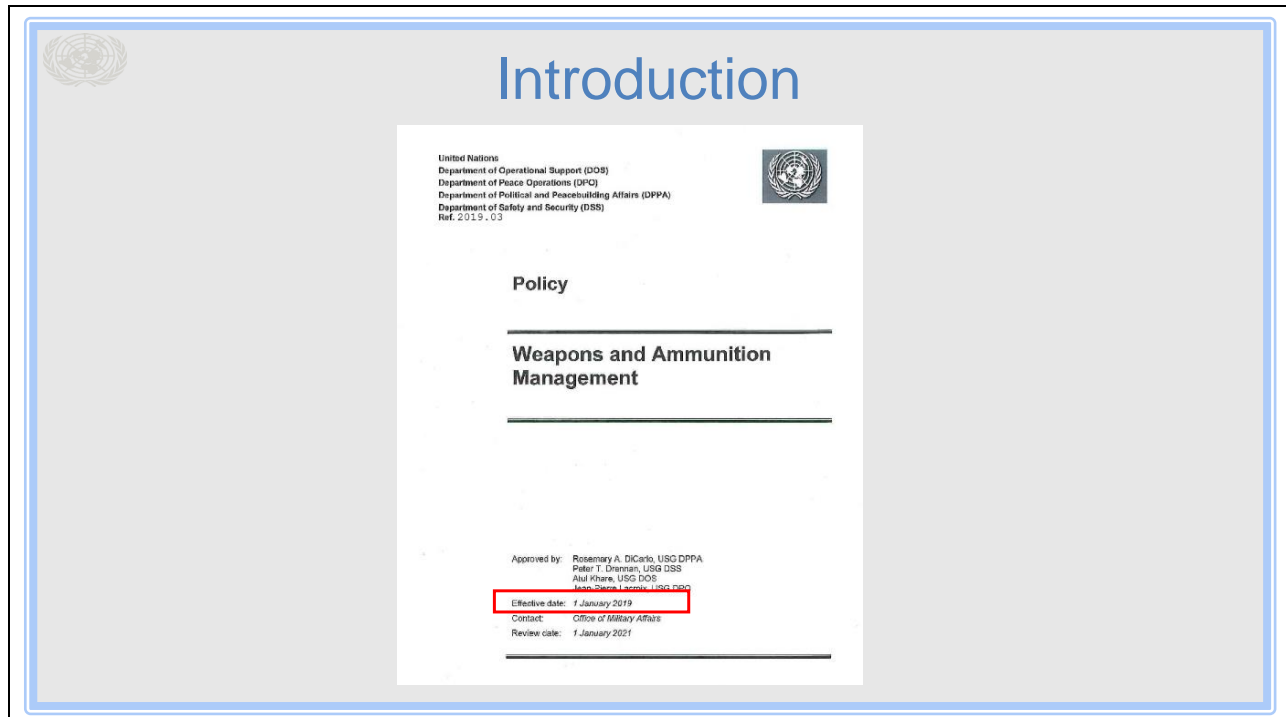


**Phase 2. Development** (Time allocation - 60 min)

Stage 2 (Time allocation 15 mins) – UN Weapons and Ammunition Management Policy



## Slide 20

**Main idea/objective for slide:**

- Discuss the scope of the policy
- Discuss the UN Weapons and Ammunition Policy's role in UN Operations.


**What the instructor should cover (in addition to slide content)**

Provides operational framework to ensure the effectiveness, efficiency and coherence of UN WAM. WAM in uniformed contingents is the responsibility of the T/PCC. National standards shall meet or exceed the standards set out in this UN policy.

Scope: Applies to all civilian and uniformed personnel serving in peace operations both in UNHQ and field missions and to T/PCC's. Includes T/PCC COE, UNOE and seized W&A.

Rationale: Standardised WAM through rigorous control system across all peace operations.

- Highlight the importance of adherence to the policy in the field, based on previous experience.
- Briefly introduce the background to the policy development and the motivating factors for its creation.



## Content

DP0/005/DPPA/DSS POLICY ON WEAPONS AND AMMUNITION MANAGEMENT	
CONTENTS	A: PURPOSE
	B: SCOPE
	C: RATIONALE
	D: POLICY
	E: ROLES AND RESPONSIBILITIES
	F: TERMS AND DEFINITIONS
	G: REFERENCES
	H: MONITORING AND COMPLIANCE
	I: CONTACT
	J: HISTORY
ANNEXURES	A: INTERNATIONAL AMMUNITION TECHNICAL GUIDELINES (IATG): OUTLINE
	B: MODULAR SMALL-ARMS-CONTROL IMPLEMENTATION COMPENDIUM (MOSIAC): OUTLINE

**Main idea/objective for slide:**

- introduce all parts, giving a brief overview of their context.

Slide 22



## International Guidelines

1. International Ammunition Technical Guidelines (IATG)
2. Modular Small Arms Control Implementation Compendium (MOSAIC)

**Main idea/objective for slide:**  
**Introduce IATG and Mosaic**

What the instructor should cover (in addition to slide content)


The UN and member states developed 2 sets of guidelines & standards for full life cycle WAM (SALW):

IATG: Revised in 2020

MOSAIC launched in 2012

Shall, should, may and can are important terms used in these standards. Shall being the basic requirement in MOSAIC.

3 levels of comprehensiveness in IATG: Level 1 (basic), Level 2 (intermediate) and level 3 (advanced).



## Policy Adherence


- Missions with weapons and ammunition shall develop SOPs based on the policy

**Main idea/objective for slide:**

- **Highlight the importance of adherence to the policy in the field, based on previous experience.**

What the instructor should cover (in addition to slide content)

Further to the international guidelines mentioned, UN peace operations with ammunition and weapons must develop mission SOPs based on the policies and guidelines



## Policy Development


- Different standards from different T/PCC's
- Lack of interoperability
- Confusion around responsibility and accountability
- Lethality of hardware

**Main idea/objective for slide:**

- **Briefly introduce the background to the policy development and the motivating factors for its creation.**

What the instructor should cover (in addition to slide content)

Status of Force Agreement SOFA



## Mission WAM SOP Contents 1

- Responsibilities of all stakeholders
- Composition and functions of a Weapons and Ammunition Advisory Board
- Import and possession
- Quantity of personal weapons and ammunition of uniformed peacekeepers or guard units
- Procedures for maintenance
- Use
- Carriage
- Storage and facilities management


**Main idea/objective for slide:**

**Overview of Mission WAM SOP contents**

What the instructor should cover (in addition to slide content)

Mission WAM SOP balanced with IATG, MOSAIC guidelines and operational requirements.

Consider SOFA



## Mission WAM SOP Contents 2

- Accounting
- Identifying, registering and record-keeping
- Transportation
- Verification
- Recording, reporting and investigations of loss
- Disposal of Weapons and Ammunition
- Training and rehearsals

**Main idea/objective for slide:**

**Overview of Mission WAM SOP contents**

What the instructor should cover (in addition to slide content)

Mission WAM SOP balanced with IATG, MOSAIC guidelines and operational requirements.

Consider SOFA




Slide 27



**Phase 2. Development** (Time allocation - 60 min)


Stage 3 (Time allocation 15 mins) – International Ammunition Technical Guidelines (IATG)



[Link to UN SaferGuard](https://unsaferguard.org/)  
<https://unsaferguard.org/>

**Main idea/objective for slide:**

**Using an online resource, demonstrate to the participants how to navigate the IATG website and how to find information relevant to ammunition storage.**



# IATG

IATG
01. INTRODUCTION AND PRINCIPLES OF AMMUNITION MANAGEMENT
02. RISK MANAGEMENT
03. AMMUNITION ACCOUNTING
04. EXPLOSIVE FACILITIES (STORAGE) (FIELD AND TEMPORARY CONDITIONS)
05. EXPLOSIVE FACILITIES (STORAGE) (INFRASTRUCTURE AND EQUIPMENT)
06. EXPLOSIVE FACILITIES (STORAGE) (OPERATIONS)
07. AMMUNITION PROCESSING
08. TRANSPORT OF AMMUNITION
09. SECURITY OF AMMUNITION
10. AMMUNITION DEMILITARIZATION AND DESTRUCTION
11. AMMUNITION ACCIDENTS, REPORTING AND INVESTIGATION
12. AMMUNITION OPERATIONAL SUPPORT

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.


Discuss the importance of referring to the IATG for deeper guidance on Ammunition storage and management.

Slide 30

01. INTRODUCTION AND PRINCIPLES OF AMMUNITION MANAGEMENT
01.10 - Guide to the International Ammunition Technical Guidelines (IATG)
01.20 - Index of risk reduction process levels (RRPL) within IATG
01.30 - Policy development and advice
01.35 - Organisational Capabilities
01.40 - Glossary of terms, definitions and abbreviations
01.50 - UN explosive hazard classification system and codes
01.60 - Ammunition faults and performance failures
01.70 - Bans and constraints
01.80 - Formulae for ammunition management
01.90 - Ammunition management personnel competences (new module)

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.



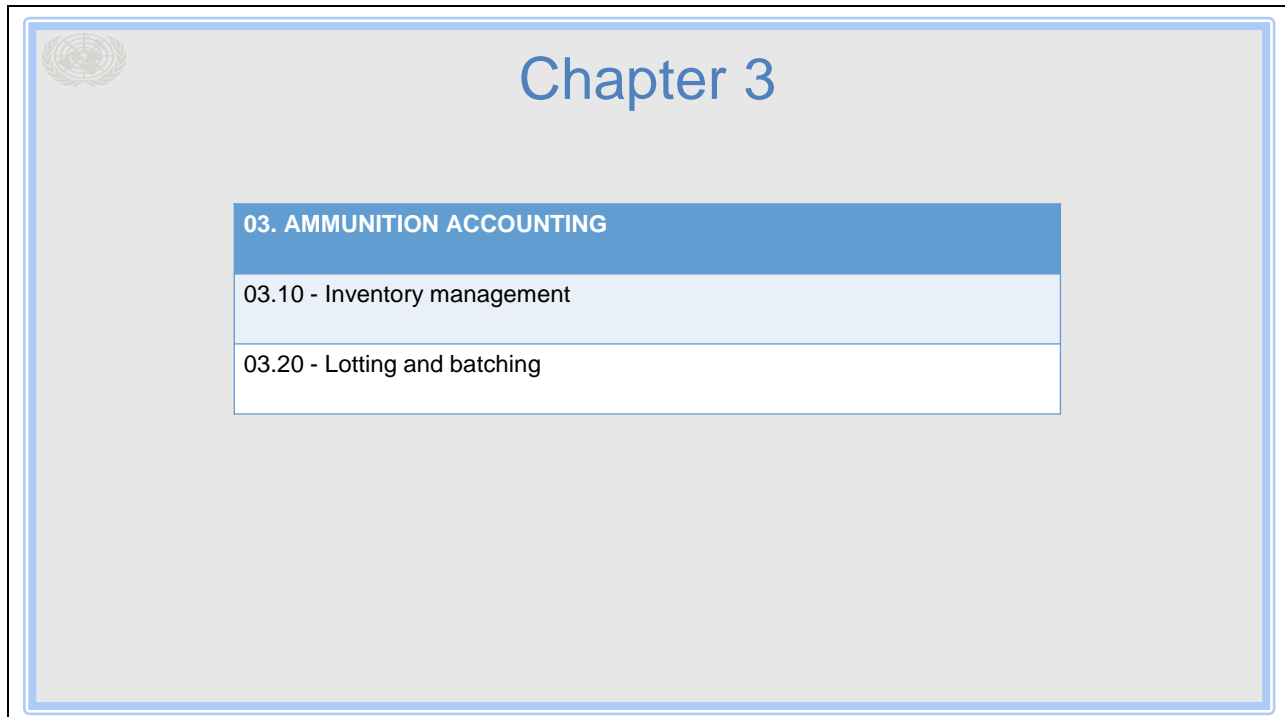
## Chapter 2

02. RISK MANAGEMENT
02.10 - Introduction to risk management principles and processes
02.20 - Quantity and separation distances
02.30 - Licensing of explosive facilities
02.40 - Safeguarding of explosive facilities
02.50 - Fire safety

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

Slide 32



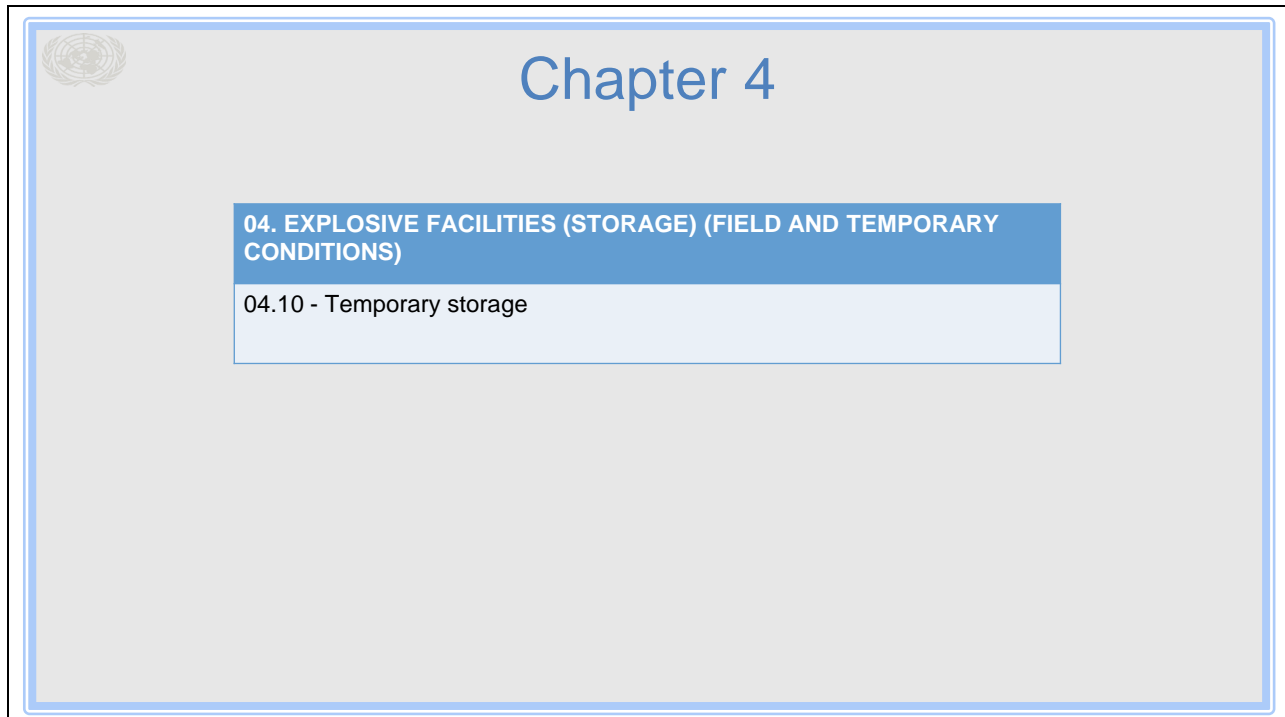
The slide features a light gray background with a blue border. In the top left corner is the United Nations logo. The title 'Chapter 3' is centered at the top in a large blue font. Below the title is a table with three rows: a dark blue header row, a light blue row, and a white row.

03. AMMUNITION ACCOUNTING
03.10 - Inventory management
03.20 - Lotting and batching

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

Slide 33



Chapter 4

04. EXPLOSIVE FACILITIES (STORAGE) (FIELD AND TEMPORARY CONDITIONS)

04.10 - Temporary storage


**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

**What the instructor should cover (in addition to slide content)**

Chapter 4 was withdrawn and is expected to be re-issued in the future. It covers temporary storage.

Slide 34



## Chapter 5


05. EXPLOSIVES FACILITIES (STORAGE) (INFRASTRUCTURE AND EQUIPMENT)
05.10 - Planning and siting of explosives facilities
05.20 - Types of buildings for explosives facilities
05.30 - Traverses and barricades
05.40 - Safety standards for electrical installations
05.50 - Vehicles and mechanical handling equipment (MHE) in explosives facilities
05.60 - Radio frequency hazards

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.




Slide 35

 Chapter 6	
<b>06. EXPLOSIVE FACILITIES (STORAGE) (OPERATIONS)</b>	
06.10 - Control of explosives facilities	
06.20 - Storage space requirements	
06.30 - Storage and handling	
06.40 - Ammunition packaging and marking	
06.50 - Specific safety precautions (storage and operations)	
06.60 - Works services (construction and repair)	
06.70 - Inspection of explosives facilities	

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

Slide 36



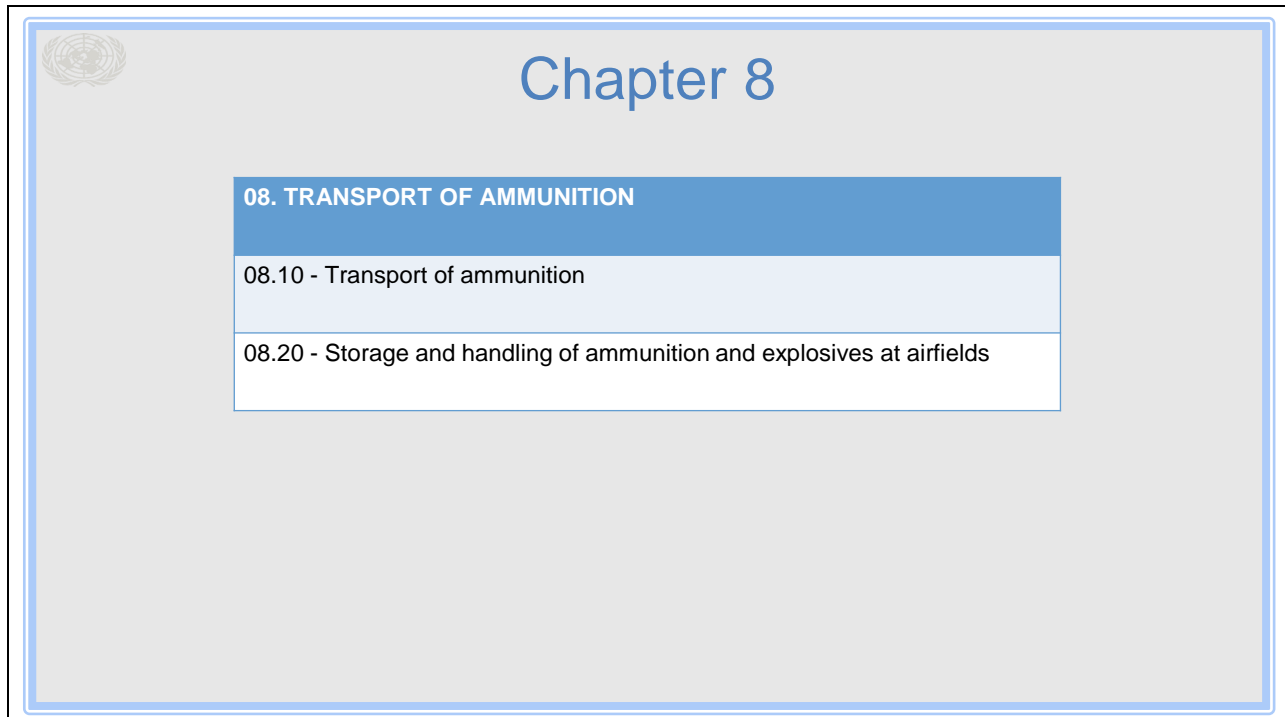
## Chapter 7

07. AMMUNITION PROCESSING
07.10 - Safety and risk reduction (ammunition processing operations)
07.20 - Inspection of ammunition
07.30 - Ammunition processing operations - Safety, risk reduction and mitigation

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

Slide 37

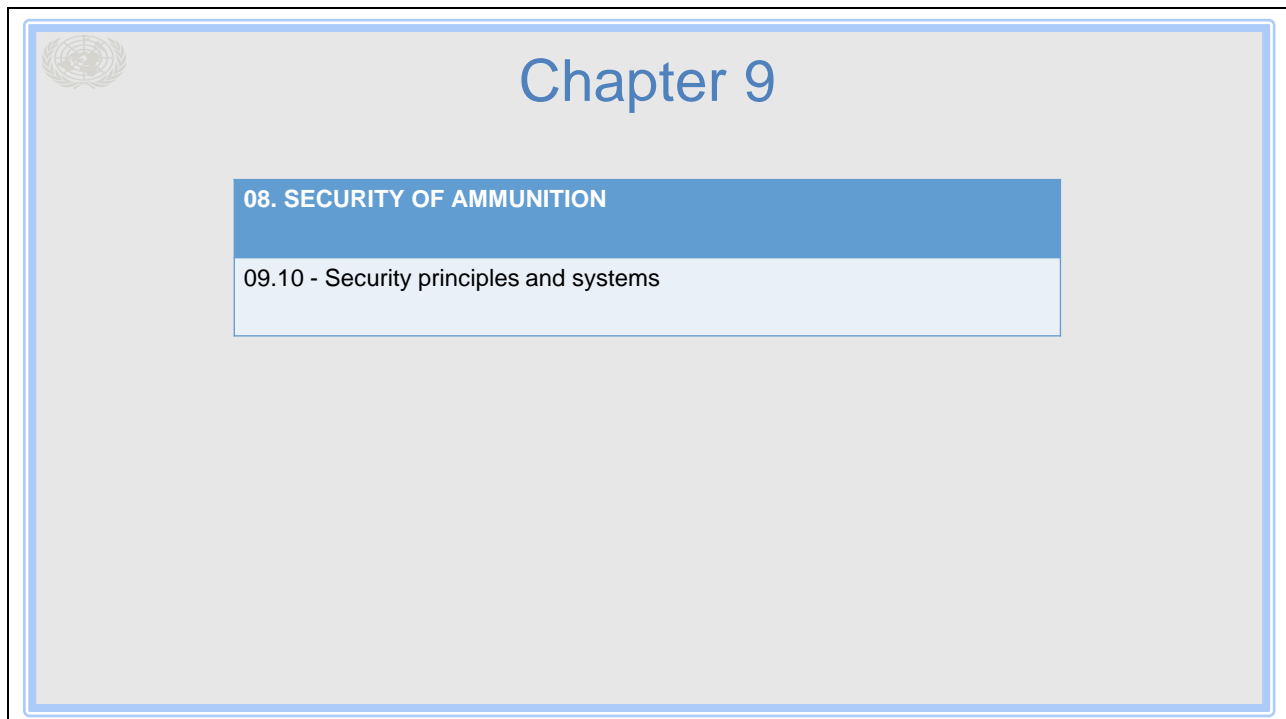


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08. TRANSPORT OF AMMUNITION
08.10 - Transport of ammunition
08.20 - Storage and handling of ammunition and explosives at airfields

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.




The slide features the United Nations logo in the top left corner. The title 'Chapter 9' is centered at the top in a large blue font. Below the title is a table of contents for '08. SECURITY OF AMMUNITION'. The table has two rows: the first row is a dark blue header with the text '08. SECURITY OF AMMUNITION', and the second row is a light blue header with the text '09.10 - Security principles and systems'. The entire slide content is enclosed in a double blue border.

08. SECURITY OF AMMUNITION
09.10 - Security principles and systems

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

 Chapter 10

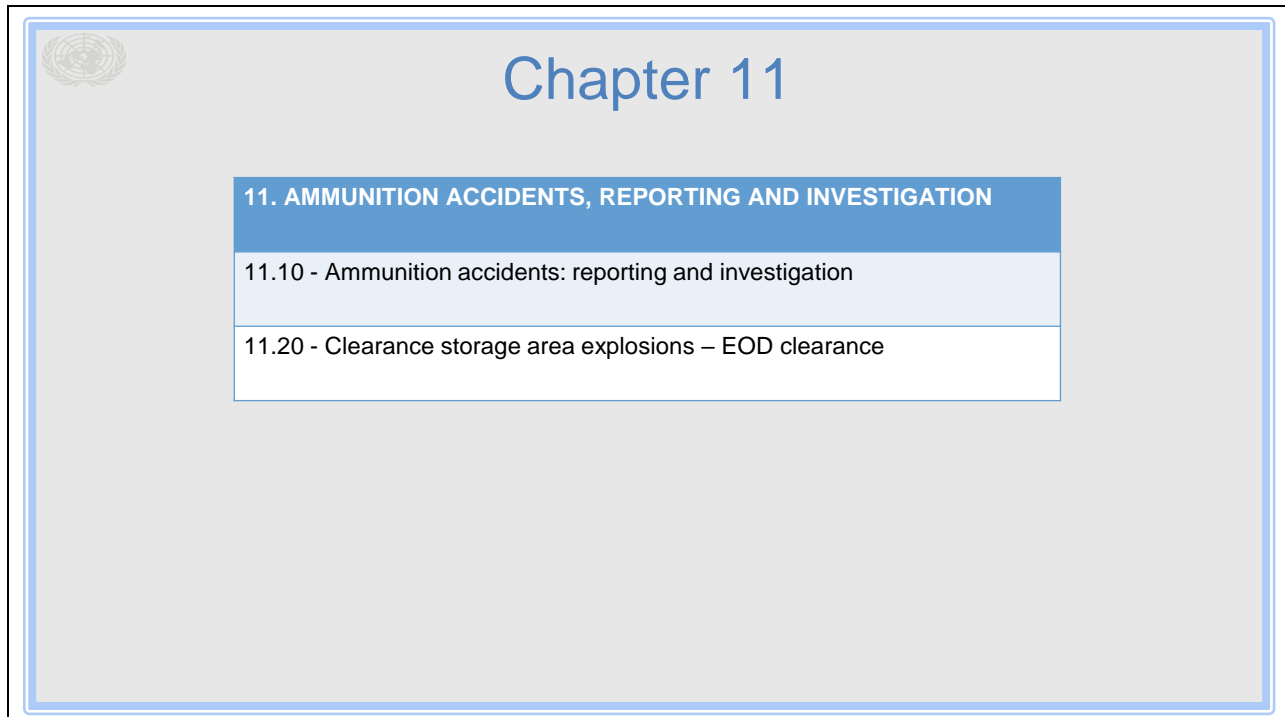
**10. AMMUNITION DEMILITARIZATION AND DESTRUCTION**

10.10 - Demilitarization and destruction and logistic disposal of conventional ammunition

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

Slide 40



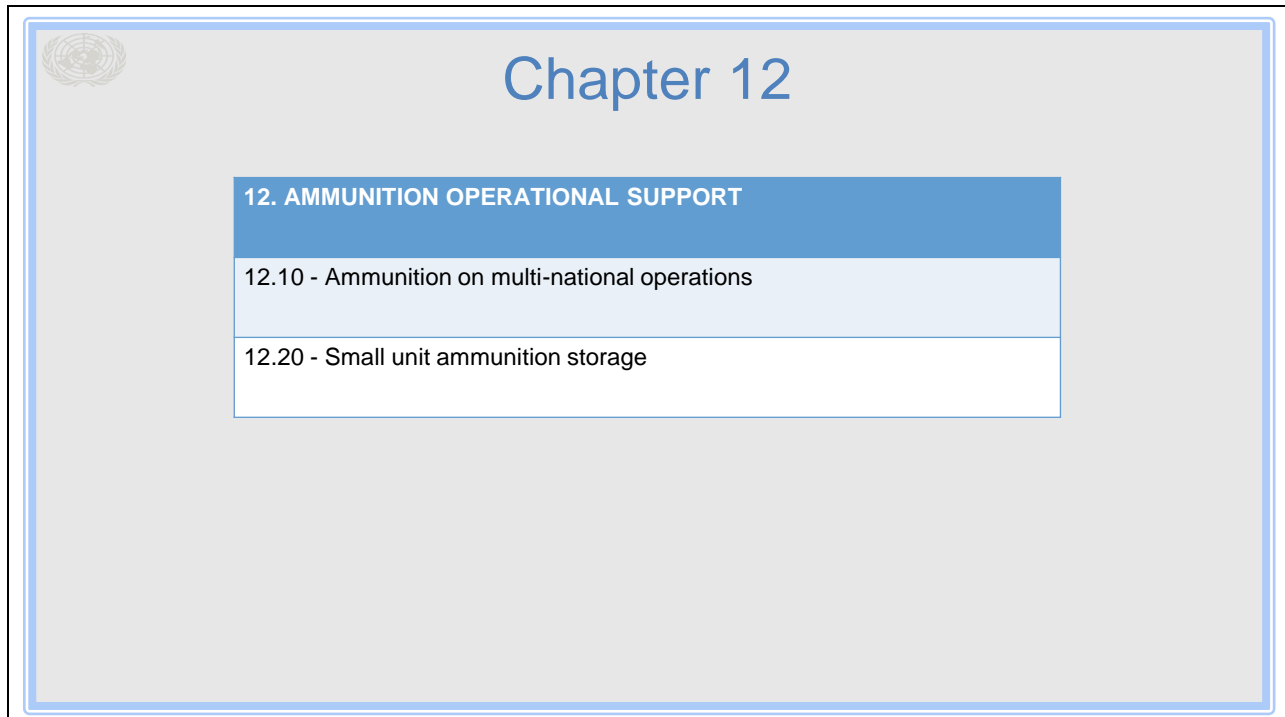
The slide features a light gray background with a blue border. In the top left corner is the United Nations logo. The title 'Chapter 11' is centered at the top in a large blue font. Below the title is a table with three rows: a dark blue header row, a light blue row, and a white row.

11. AMMUNITION ACCIDENTS, REPORTING AND INVESTIGATION
11.10 - Ammunition accidents: reporting and investigation
11.20 - Clearance storage area explosions – EOD clearance

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

Slide 41



The slide features a light gray background with a blue border. In the top left corner is the United Nations logo. The title 'Chapter 12' is centered at the top in a large blue font. Below the title is a table with three rows: a dark blue header row, a light blue row, and a white row.

12. AMMUNITION OPERATIONAL SUPPORT
12.10 - Ammunition on multi-national operations
12.20 - Small unit ammunition storage

**Main idea/objective for slide:**

Discuss the scope of the IATGs, introducing all chapters, giving a brief overview of their context.

Modular Small  
Arms Control  
Implementation  
Compendium  
(MOSAIC)



Slide 43



**Main idea/objective for slide:**  
**Discuss MOSAIC scope and purpose**

What the instructor should cover (in addition to slide content)  
 Read through the process flow chart in the slide. Ask the participants if they see any weakness in the process. **Suggested instructor comment: Each nation needs to adhere to MOSAIC in order to completely prevent the illegal flow of SALW.**


**Image is from the MOSAIC**  
**website :** <https://www.un.org/disarmament/convarms/mosaic/>

Slide 44



**Phase 2. Development** (Time allocation - 60 min)

Stage 4 (Time allocation 15 mins) – participant Exercise



## Exercise

- Using the online resources and handouts, review the fire protection section in the UN Manual on Ammunition Management (1.8).
- Compare this to the IATG section on fire safety (02.50).
- Compare and contrast through class discussion.


**Main idea/objective for slide:**  
**participants compare UN MAM and IATG sections on fire safety**

**Use handouts or work from internet**

participant activity  
participants can work individually or in pairs

What the instructor should cover (in addition to slide content)  
All instructors are to move about and support the class as they use the reference material.  
Class discussion on findings.

Slide 46



## Exercise

- What are the principles of stockpile security in a UN field mission?
- What does the UNMAM say about who is responsible and what procedures should be followed for temporary ammunition storage?

**Main idea/objective for slide:**

**participant exercise to practice using reference documents and reinforce stockpile principles and temporary storage responsibilities**

**participant activity**

participants can work individually or in pairs

Instructor to guide discussion points

- Where to find information
- Which manual is most relevant
- Ask pointed questions

**What the instructor should cover (in addition to slide content)**

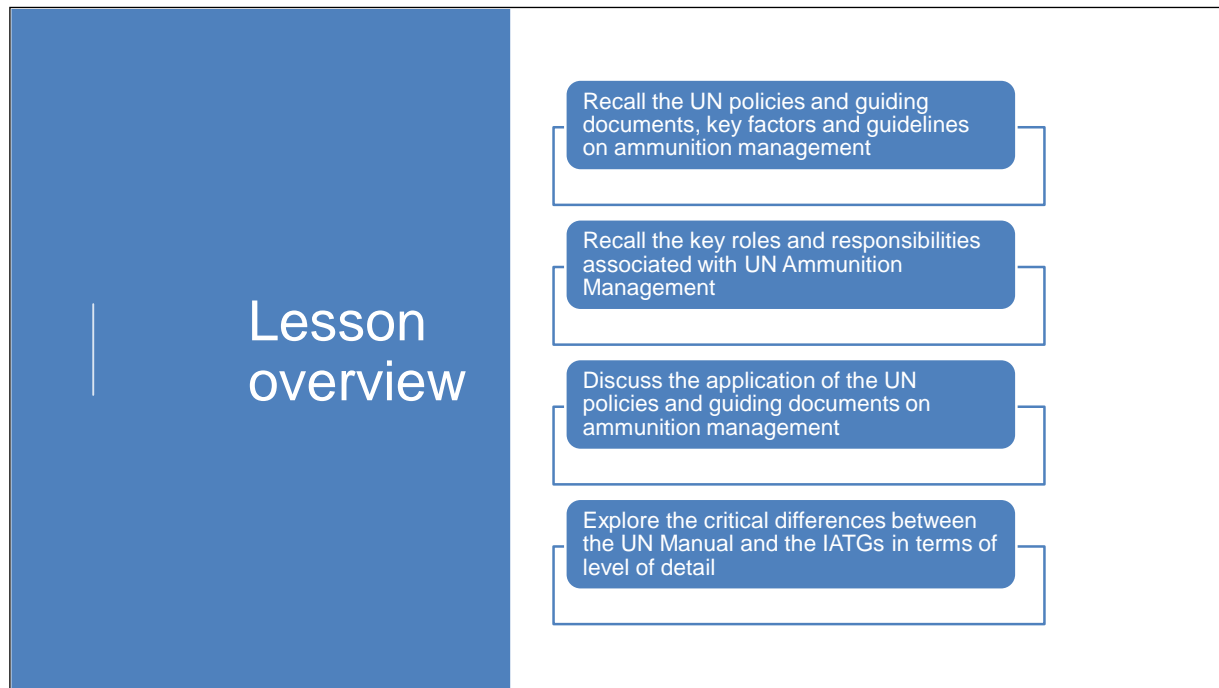
All instructors are to move about and support the class as they use the reference material. Regarding the responsibilities, draw on the participants experiences in missions by asking them to explain any previous interactions they had with the SATO and DSS personnel.

References/Further reading

First part: Refer to IATG 09.10 section 6.1 (page 9)

Second part: Section 1.6 of the UNMAM and from there follow the reference to IATG 4.2 (use the old version of the document while the new version is being drafted) and 3.1 and 3.2.

## Slide 47



## Summary

This lesson aimed to reinforce participants' understanding of ammunition management within UN operations by recalling and discussing key policies, guidelines, and their applications. The key learning points included:

- Understand and remember the UN policies and guiding documents relevant to ammunition management.
- Identify and recall the critical factors and guidelines for managing ammunition in UN operations.
- Remember the essential roles and responsibilities in UN ammunition management.
- Engage in discussions on how to apply the UN Weapons and Ammunition Management (WAM) policy in practical scenarios.
- Discuss the practical application of the guidelines from the UN Manual on Ammunition Management.
- Explore how the International Ammunition Technical Guidelines (IATGs) are applied in real-world contexts.
- Examine and understand the differences in detail and specificity between the UN Manual on Ammunition Management and the IATGs.

Slide 48



**Main idea/objective for slide:**

Look ahead to the next lesson of the course:

Contingent levels of Operational Ammunition



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## Knowledge alignment and doctrines framework Wrap Up

At the conclusion of Module 1, a few concluding points are worth noting:

- Over time, a range of policies, manuals, guidelines, and principles has been developed to enhance ammunition and weapon management in peace operations.
- Nevertheless, implementing and executing WAM doctrines in the mission has never been as challenging as in the past years
- The capabilities of an ATO can be leveraged to enhance the safety and security of peacekeepers and the operational readiness of T/PCCs. It is essential that units establish a proper weapon and ammunition management process in accordance with international guidelines.
- It is important that all ATO and SATO personnel have a specific understanding and knowledge of UN policies and doctrinal principles to incorporate and disseminate WAM across peace operations