**Lesson 6 – Exercise for NEQ Calculations**

**Participant Task 1 - Handout**

1. **Actions:**
* Consider the background narrative which will remain ‘active’ for the duration of the course.
* As the weapons and ammunition experts for UNAC (focused on Sector 3 for duration of course) you have been delegated the task of supporting the movement of Ammunition Stores from MALDOSA to FOLSA
* Determine the total NEQ in the convoy to support the Convoy Commanders Risk Assessment and planning considerations.
1. **Information:**

A consignment of munitions has been docked in MALDOSA awaiting clearance by UN Logistics. Sector HQ have designated this shipment of explosive and ammunition for troops stationed in FOLSA and have directed that they be moved to this location without delay.

You have been attached to the Convoy Planning Group to support the safe movement of these ammunition stores to FOLSA, ensuring safety to local civilians and troops from TCNs. The planning team has been provided with a list of ammunition and explosives and has requested that you provide an assessment of explosive risk to the convoy.

**Container 1**

100 x 84mm HEAT, (HD 1.2)

300 x AT4 HEAT, (HD 1.2)

**Container 2**

100 x Bomb Mortar 81mm SMK (HD 1.3)

200 x Bomb Mortar 60mm SMK (HD 1.3)

**Container 3**

50 x Shell 105mm HE

20 x Grenade M72 HE

100 x Bomb Mortar 60mm HE

500 x Round 40mm HE

500 x Round 20mm HE

5000 x Round 5.56mm BALL NATO

5000 x Round 7.62mm BALL

5000 x Round 7.65mm BALL

120 x Grenade Smoke Screening

**Your task is to examine the information provided and determine the NEQ for each Container and provide the overall NEQ figure to the planning teams for risk assessment.**

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| --- | --- | --- | --- |
| **Item** | **NEQ per round (kg)** | **Quantity** | **Total NEQ** |
| Shell 105mm HE | 2.35 |  |  |
| 84mm HEAT | 1.13 |  |  |
| Grenade M72 HE | 0.06 |  |  |
| Bomb Mortar 60mm HE | 0.304 |  |  |
| Bomb Mortar 60mm SMK | 0.303 |  |  |
| Round 40mm HE | 0.603 |  |  |
| Round 20mm HE | 0.394 |  |  |
| AT4 HEAT | 0.4 |  |  |
| Round 5.56mm BALL NATO | 0.0017 |  |  |
| Round 7.62mm BALL | 0.003 |  |  |
| Round 7.65mm BALL | 0.003 |  |  |
| Grenade Smoke Screening | 0.33 |  |  |
| Bomb Mortar 81mm SMK  | 0.68 |  |  |