Non Lethal Capabilities Update

NDIA Joint Service Small Arms Symposium
Unconventional and Emerging Armaments Section

May 17, 2012

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Outline

NATO Near Term Objectives

NATO NAAG Restructure

NATO Non Lethal Capabilities Background

Terms of Reference for Non Lethal Capabilities

NATO Non Lethal Capabilities Progression

Recent Activities

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Near Term Objectives

• New NATO Strategy - “Smart Defense”
• HQ Reform – massive cuts in numbers of committees
• Active Engagement
• Building Capability Through Multinational Approaches
• Improved Use of Common Funding
• Even more Interoperability
• Lessons from Current Operations
• Long Term Aspects of Capability Requirements
CONFERENCE OF NATIONAL ARMAMENTS DIRECTORS (CNAD)

Capability Based Structure, Chairmanship Overview

Legend:

<table>
<thead>
<tr>
<th>Group</th>
<th>Chairperson</th>
<th>Estimated Month of Departure</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG/1</td>
<td>Mr. R. Stock</td>
<td>(04/08)</td>
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</tbody>
</table>

* Important Note:

As recommended by the Committee Review (reference PO(2010)0074-REV2), several capability groups under the CNAD have been merged with Working Groups under the Standardisation Boards of the MC. These mergers are implemented for a trial period of 18 months. Within that period, the merged groups will receive staff support partially from IMS and from IS.

For LCG/7, JCGISR, MCG/3, and JCGUAV, the lead of the merged group is under the CNAD.

For LCG/6 and MCG/7, the lead of the merged group is under the MC.

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Restructuring

Total 8 Entitled Level 1/2 Groups
and 8 Entitled Level 3 Groups

Total 7 Entitled Level 1/2 Groups

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Land Capability Group Dismounted Soldier Systems
Sub Group for Non-Lethal Capabilities

Terms of Reference

- Focal point for all activities related to Non-Lethal Capabilities (NLC) in the NAAG.
- Responsible for NLC across the full spectrum of military operations and operating environments.
- Joint and three-service focus within Nations and CNAD.
- Supports all NATO Essential Operation Capabilities (EOC), in particular
  - “Force Protection” and
  - “Effective Engagement”.

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NATO Non Lethal Capabilities Progression

- NATO Non Lethal Capabilities initiated under a Quick Reaction Team transitioned to Topical Group 3

- NATO supports
  - NATO’s Research & Organization (RTO), Systems Analysis & Studies Panel support to develop common, interoperability and standardization addressing Non Lethal Capabilities
  - NATO’s Emerging Security Concerns (ESC) Defense Against Terrorism initiates DAT 11 on Non Lethal Capabilities with focus on TRL 7-9 for ISAF

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NLC Interoperability Recent Activities

**Non Lethal Catalogue**

STANREC 4729
Performance of Non-Lethal Land vehicle Arresting Device

Also known as Allied Engineering Publication (AEP) 74

Submitted Jan 2012
Approval under silence April 2012

Captured vehicle (by vehicle arresting net)

**Blunt Trauma Working Group**

- Blunt Trauma Experts
- SubGroup 1 – Skin Penetration
- SubGroup 2 – Head Impact
- SubGroup 3 – Chest Impact
- SubGroup 4 – Abdomen Impact
- SubGroup 5 – Accuracy

- Leveraging US JNLWD Advanced Total Body Model
- Additional Experts from Soldier CCIEP Group

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Non Lethal Multi National Approaches

FN 303®

Lights/Dazzlers

Sponge

Multi Pellets

40 mm

Long Range Acoustic Device

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Non Lethal Capabilities

THANKS FOR YOUR ATTENTION!
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Land Capability Group Dismounted Soldier System,
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