Outline

• Non Lethal Capabilities within NATO
• NATO Process and Interactions
• Non Lethal Capabilities Focus Areas
Sub Group Non Lethal Capabilities in the NATO Structure

NORTH ATLANTIC COUNCIL

Consultation
Command and
Control Board

Logisticians’
Conference

NATIONAL COMMITTEE
ACO - ACT

Science and
Technology
Organization

National Armaments
Directors Representatives

Conference of National
Armaments Directors (CNAD)

Conference of National
Armaments Directors Representatives

NATO Naval
Armaments Group

NATO Air Force
Armaments Group

NATO Army
Armaments Group

NATO Procurement Agency

Projects
- Alliance Ground Surveillance CSC
- ALTBMD SC
- Missile Defence Project Group
- New NATO HQ.
- MSIAC
- FORACS

- JCBRND CDG (6)
- JCGGBAD (3)
- JCGVL (1)
- ICGIF (5)
- LCGLE (4)
- LCGDSS (10) → SGNLC

NATO Industrial
Advisory Group

Life Cycle
Management Group

Ammunition
Safety Group

Group of National
Directors on Codification
NAAG POW SOURCES

Threats & Shortfalls

- Top-Down Initiatives; Smart Defence Connected Forces
- Lessons Learned
- Defence Against Terrorism
- NDPP Targets and Requirements
- Innovation Bottom-up work (nations)
- Industry Reach-out

CNAD MANAGEMENT PLAN

Capability Requirements
Land Capability Group Dismounted Soldier Systems
Sub Group on 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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Sub Group on Non Lethal Capabilities Structure

- Austria
- Belgium
- Canada
- Czech Republic
- Denmark
- France
- Germany
- Hungary
- Netherlands
- Norway
- Spain
- United Kingdom
- United States
- Switzerland*
- Sweden*
- Spain
- Norway
- Netherlands
- Italy

National Delegates Including PFP* and Contact Countries**
National Delegates

NIAG QRT Extended Range NLC (Germany)
Non Lethal Kinetic Energy Team of Experts (Belgium)
Direct Energy Team of Experts (USA)
Vehicle Arresting Device Team of Experts (Netherlands)
Non Lethal Capabilities Catalogue Custodian (USA)
Doctrinal updates.

5.1 Updates included
AJP 3.2 – Allied Joint doctrine for Land Operations
AJP 3.2.1.1 Guidance for the Conduct of Tactical Stability Activities and Tasks

5.2 Updates awaiting draft conclusion (monitoring)
AJP 3.2.1 Allied Land Tactics
AJP 3.4.4 Allied Joint Doctrine for Counterinsurgency (COIN)

5.3 Updates on on-going
AJP 3.2(C) Allied Joint Doctrine for the Conduct of Operations (Edition C) reported by the US JNLWD

NATO Non Lethal training collected in NLC Catolog.
SGNLC *Thrusts*

STANDARDIZATION/Allied Engineering Publication (AEP)

3.1 STANREC 4729 Ed 2; AEP-74(B) Performance of Non-Lethal Land Vehicle Arresting Devices  *Highlight - Tier 2 Smart Defense June 2012*

3.2 STANREC 4744 Ed 2; AEP-98 Precision Assessment of Non-Lethal Kinetic Energy Weapons and Ammunition

- [x] STANREC 4744, AEP-94, Skin Penetration
- [x] STANREC 4744 Ed 1, AEP-98, Accuracy
- Ø Future Revision STANREC 4744 Ed 3, AEP-99, Thorax (draft underway)
- Ø Future Revision STANREC 4744 Ed __, AEP-xx, Head
SGNLC Activities

NIAG Study 209 “Examination of long range delivery of Non-lethal capabilities (NLC)”

4.1 Nations formed Quick Reaction Team to support Study
4.2 13 Industry members participated in Kickoff meeting
4.3 NIAG Study 209 completion planned February 2017

Team of Experts on Non Lethal Millimeter Wave Directed Energy

White Paper for common understanding on non lethal millimeter wave directed energy against personnel. Three assessment sections; Safety, Effectiveness and Utility. Goal is a common lexicon across NATO.

Non Lethal Effectors against Low Slow Small UAVs Assessment
Non Lethal Studies and Demonstrations supported within NATO

NATO Science and Technology Organization
Systems Analysis and Study Panel

SAS – 035  Non-Lethal Effectiveness Assessment Methodology
SAS - 040  Non-Lethal Weapons and Future Peace Enforcement Operations
SAS - 060  Non-Lethal Weapons Effectiveness Assessment Development and Verification Study
SAS - 078  NATO Non-Lethal Weapons Capabilities Based Assessment
SAS - 094  NATO Non-Lethal Concepts and Employments (on-going)

Emerging Security Challenges, Defense Against Terrorism

DAT – 11  Rapid Fielding of Non Lethal Weapons
DAT- NLC   Defense Against Terrorism (on-going)
NLC Notional Roadmap
“Capabilities Culture”

• Smart Defense
  – Capabilities Development Process
  – Materiel Solutions (NDI & S&T)
SubGroup on Non Lethal Capabilities

NLC role

- Focal point for all activities related to Non-Lethal Capabilities in NAAG & CNAD
- Open to PfP nations and other nations as may be approved by the CNAD
- Joint/three-service focus within Nations & CNAD
- Meets twice a year
- Transitioned to LCGDSS, March 2012
  - Topical Group 3 in 2008
  - LCG9 in Nov 2010
THANKS FOR YOUR ATTENTION!
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Organization Representing:
NATO Army Armaments Group,
Land Capability Group Dismounted Soldier System,
Sub Group on Non Lethal Capabilities

Parent Organization:
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