

## Annex P – ABBREVIATIONS AND ACRONYMS

AAR	After-Action Review
ACE	Allied Command Europe
ACO	Allied Command Operations
ACP	Allied Communication Publication
ACPO	UK Association of Chief Police Officers
ACT	Allied Command for Transformation (new)
ADS	Area Denial System
AFV	Armoured Fighting Vehicle
AGARD	Advisory Group for Aerospace Research and Development
AJP	Allied Joint Publication
ALP	Allied Logistic Publication
AMedP	Allied Medical Publication
APAM	Anti Personal Anti Material
APP	Allied Procedures Publication
ATP	Allied Tactical Publication
AVT	Applied Vehicle Technology Panel
BABT	Behind Armour Blunt Trauma
BTWC	Biological and Toxic Weapons Convention
CA	Canada
CH	Switzerland
CN	1-Chloroacetophenone (Riot Control Agent)
CNAD	Conference of National Armaments Directors
CNN	Cable Network News (independent international newsgathering organisation)
COTS	Commercially off the Shelf
CR	Dibenz (b,f) – 1:4-oxazepine (Riot Control Agent)
CS	Ortho-chlorobenzalmalononitrile (Riot Control Agent, sensory irritant)
CW	Chemical Weapons
CWC	Chemical Weapons Convention
C2W	Command and Control Warfare
CZ	Czech Republic
DA	Denmark
DCI	Defence Capability Initiative
DEW	Directed Energy Weapons
DoD	US Department of Defence
DRG	Defence Research Group
Dstl	Defence Scientific and Technological Laboratories, UK
ED50	Effective Dose 50 %
EMD	Electrical Muscular Disruption Devices
EMP	Electromagnetic Pulse
EQPT	Equipment

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ET	Exploratory Team
EWG NLW	European Working Group on Non-Lethal Weapons
FG	Force Goals
FR	France
GE	Germany
HEAP	Human Effects Advisory Panel
HFM-073	NATO RTO Human Factors and Medicine Panel, Working Group 073: “Human Effects of Non-Lethal Technologies”
HIC	Head Injury Criterion (U. S. National Highway Traffic Safety Administration)
HLSG	High Level Steering Group
HPM	High Powered Microwave
HQ	Headquarters
Hz, GHz	Hertz, Gigahertz = $10^9$ Hertz
ICRC	International Committee of the Red Cross
IST	Information Systems Technology Panel
IT	Italy
ITBM	Interim Total Body Model
JCS	Joint Chiefs of Staff
JIPT	Joint NLW Integrated Product Team
JNLWD	Joint Non-Lethal Weapons Directorate
JNLW HECOE	Joint Non-Lethal Weapons Human Effects Centre of Excellence (US)
JNLWP	Joint Non-Lethal Weapons Program (US)
LD <sub>50</sub>	Lethal Dose 50 %
LG	Land Group
LLW	“less-lethal” weapon
LTRs	Long Term Requirements
LTSS	Long Term Scientific Study
mmW	Millimetre Wave
MoD	Ministry of Defence
MOE	Measures of Effectiveness
MOP	Measures of Performance
MOR	Measures of Response
MRA	Military Requirements (Armaments)
NAAG	NATO Army Armaments Group
NAC	North Atlantic Council
NGOs	Non-Governmental Organisations
NI	North Ireland
NIJ	United States National Institute of Justice
NL	Netherlands

NLC	Non-Lethal Capability
NLE	Non-Lethal Effect
NLT	Non-Lethal Technology
NLW	Non-Lethal Weapon
NMSG	NATO Modelling and Simulation Group
NO	Norway
NSA	NATO Standardization Agency
NTAR	Non-lethal Technology and Academic Research
NTIC	Non-lethal Technology Innovation Center
nm	Nanometre = $10^{-9}$ m
OC	Oleoresin Capsicum (Riot Control Agent)
OOTW	Operations other than War
OP	Operations
PfP	NATO, Partnership for Peace
P <sub>H</sub>	Probability of Hit
P <sub>HEHEH</sub>	Probability of Intended Effect Given a Hit
P <sub>HLHEH</sub>	Probability of Unintended Effects Given a Hit
Pk	Probability of Kill
POW	Programme of Work
PP&O	Plans, Policies and Operations
PTSD	Post Traumatic Stress Disorder
PTSS	Post Traumatic Stress Syndrome
RCA	Riot Control Agents
R&D	Research and Development
RDT&E	Research, Development, Test and Evaluation
RF	Radio Frequency
RFR	Radio Frequency Radiation
RIB	Research and Technology Board
ROE	Rules of Engagement
RTA	NATO Research and Technology Agency
RTO	NATO Research and Technology Organisation
SAS	NATO RTO Studies, Analysis and Simulation Panel
SC	Strategic Command
SCI	Systems Concepts and Integration Panel
SE	Sweden
SET	Sensors and Electronics Technology Panel
SHAPE	Supreme Headquarters Allied Powers Europe (old)
SP	Spain
STANAG	Standardisation Agreement
TAP	Technical Activity Proposal
TBD	To be decided
TG	NATO RTO Technical Group

## **ANNEX P – ABBREVIATIONS AND ACRONYMS**

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TOR	Terms of Reference
TT	Technical Team
TTCP	The Technology Cooperation Panel
U	Unclassified
UK	United Kingdom
UN	United Nations
US	United States of America
UWB	Ultrawideband radiation
V&V	Validation and Verification
VMADS	Vehicle Mounted Active Denial System
WMD	Weapons of Mass Destruction