

## ACRONYMS AND ABBREVIATIONS

### A

AAE: army acquisition executive  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 ACV: armored combat vehicle  
 ADA: Americans with Disabilities Act of 1990  
 ADAPCP: Alcohol and Drug Abuse Prevention and Control Program  
 ADATS: Air Defense Antitank System  
 ADI: acceptable daily intake  
 ADNT: aminodinitrotoluene  
 AEL: accessible exposure limit  
 AFEB: Armed Forces Epidemiological Board  
 AFES: Automatic Fire Extinguishing System  
 AFOSH: Air Force Occupational Safety and Health Standard  
 AFV: armored fighting vehicle  
 AFVT: Armed Forces Vision Tester  
 AGL: above ground level  
 AHC: Army Health Clinic  
 AIDS: acquired immunodeficiency syndrome  
 AIHA: American Industrial Hygiene Association  
 AL: action level  
 ALA:  $\delta$ -aminolevulinic acid  
 ALAD:  $\delta$ -aminolevulinic acid dehydratase  
 ALARA: as low as is reasonably achievable  
 ALA-U:  $\delta$ -aminolevulinic acid concentration in the urine  
 AM: amplitude modulation  
 AMC: U.S. Army Materiel Command  
 AMCCOM: U.S. Army Armament, Munitions, and Chemical Command  
 AMEDD: U.S. Army Medical Department  
 ANSI: American National Standards Institute  
 APC: armored personnel carrier  
 AR: Army Regulation  
 ARDEC: Armament Research, Development, and Engineering Center  
 ARNG: Army National Guard  
 ARS: acute radiation syndrome  
 ASARC: Army Systems Acquisition Review Council  
 ASHP: American Society of Hospital Pharmacists  
 AST: aspartate aminotransferase  
 ATCCS: Army Tactical Command and Control System  
 ATCOM: Aviation and Troop Command  
 ATG: antenna/transceiver group  
 ATPase: adenosinetriphosphatase  
 AVSCOM: Aviation Systems Command  
 AZT: azidothymidine, Zidovudine

### B

BAD: blast attenuating device  
 BAL: British anti-Lewisite; also called dimercaprol  
 BAMC: Brooke Army Medical Center  
 BDU: battle dress uniform  
 BEI: biological exposure index  
 BFV: Bradley Fighting Vehicle  
 BLPS: Ballistic/Laser Protective Spectacle  
 BMS: Battalion Mortar System  
 Bq: becquerels

BSC: biological safety cabinet  
 BUN: blood urea nitrogen  
 BVA: best visual acuity

### C

CAAP: Crane Army Ammunition Plant  
 Ca-EDTA: calcium disodium edetate  
 CAOHC: Council for Accreditation in Occupational Hearing Conservation  
 CARC: chemical agent resistant coating  
 CB: chemical-biological  
 CB: citizens band  
 CC: contaminant concentration  
 C-day: deployment day  
 CECOM: Army Communication-Electronics Command  
 CEGL: continuous exposure guidance level  
 CEL: continuous exposure level  
 CENTCOM: Central Command  
 CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980; also called the Superfund Act  
 CFR: Code of Federal Regulations  
 CFV: Cavalry Fighting Vehicle  
 CGA: color graphics array  
 cGy: centigray  
 Ci: curie  
 CIE: Commission Internationale de l'Eclairage, International Commission on Illumination  
 CMPA: 3-(chloromethoxy)propylmercuric acetate  
 CNPase: 2',3'-cyclic nucleotide 3'-phosphohydrolase  
 CNS: central nervous system  
 COFT: Conduct of Fire Trainer  
 CONUS: continental United States  
 COV: Counterobstacle Vehicle  
 CPAP: continuous positive airway pressure  
 CPPP: coproporphyrinogen  
 CRDEC: Chemical, Research, Development, and Engineering Center  
 CRL: Climatic Research Laboratory  
 CT: computed tomography  
 CTS: carpal tunnel syndrome  
 CVC: Combat Vehicle Crewmember  
 CW: chemical warfare

### D

2,4-D: 2,4-dichlorophenoxyacetic acid  
 DA: Department of the Army  
 DAC: Department of the Army Civilian  
 DA OSH: Department of the Army Occupational Safety and Health  
 DA PAM: Department of the Army Pamphlet  
 DA TB: Department of the Army Technical Bulletin  
 DATB: 1,3-diamino-2,4,6-trinitrobenzene; also called DATNB  
 dB: decibel  
 dB HTL: dB hearing threshold level  
 dB SPL: db sound-pressure level  
 D-day: the beginning of the contingency operation or hostilities

DDNP: diazodinitrophenol  
DDT: dichlorodiphenyltrichloroethane  
DEET: diethyl-m-toluamide  
DERA: Defense Environmental Restoration Account  
DERP: Defense Environmental Restoration Program  
DESCOM: Depot Systems Command  
DFP: diisopropyl fluorophosphate  
DFS: directed-fire simulator  
DHHS: U.S. Department of Health and Human Services  
DLA: Defense Logistics Agency  
DMSA: 2,3-dimercaptosuccinic acid  
DNA: deoxyribonucleic acid  
DNT: dinitrotoluene  
DoD: Department of Defense  
DoDI: Department of Defense Instruction  
DOE: Department of Energy  
DOL: Department of Labor  
DPCA: dicamba, dimethyl tetrachloroterephthalate  
dps: disintegration per second  
D-SAFE: DESCOM Support Activity-Far East  
DTPA: diethylenetriamine pentaacetic acid  
DU: depleted uranium

## E

ECG: electrocardiogram  
EE: ethylene glycol monoethyl ether  
EEG: electroencephalogram  
EEGL: emergency exposure guidance level  
EEL: emergency exposure limit  
EGA: enhanced graphics array  
EGDN: ethylene glycol dinitrate  
EIRA: Eye Injury Registry of Alabama  
EL: exposure limit  
EM: electromagnetic  
EM: ethylene glycol monomethyl ether  
EMI: electromagnetic interference  
EMP: electromagnetic pulse  
ENT: ear, nose, and throat  
EPA: U.S. Environmental Protection Agency  
EPC: exposure potential code  
EPRD: Environmental Protection Research Division  
ERF: Army European Redistribution Facility  
ESLI: end of service life indicator  
EUCOM: European Command

## F

FAADS: Forward Area Air Defense System  
FAST: Field Assistance in Science and Technology (program)  
FAV: Fast Attack Vehicle  
FC-11: trichlorofluoromethane  
FC-12: dichlorodifluoromethane  
FC-22: chlorodifluoromethane  
FDA: Food and Drug Administration  
FEP: free erythrocyte protoporphyrin  
FEV<sub>1</sub>: forced expiratory volume at 1 sec  
FF: full facepiece  
FLIR: forward-looking infrared  
FMS: foreign military sales  
FORSCOM: Army Forces Command  
FR: Federal Register  
FVC: forced vital capacity

## G

G6PD: glucose-6-phosphate dehydrogenase  
GaAs: gallium arsenide  
GABA:  $\gamma$ -aminobutyric acid  
GAO: General Accounting Office  
GCA: ground-controlled approach  
GHz: gigahertz  
GM: general manager  
GPFU: gas particulate filter unit  
GS: general schedule  
Gy: gray

## H

HAN: hydroxylammonium nitrate  
HBV: hepatitis B virus  
HCV: hepatitis C virus  
HE: high explosive  
HEARS: Hearing Evaluation Automated Registry System  
HEL: high-energy laser  
He-Ne: helium and neon  
HEPA: high-efficiency particulate air  
HF: high-frequency  
HHA: Health Hazard Assessment  
HHIM: Health Hazard Information Module  
HIM: Hazard Inventory Module  
HIP: Howitzer Improvement Program  
HIPIR: high-power illuminator radar  
HIV: human immunodeficiency virus  
HMMWV: High-Mobility, Multipurpose, Wheeled Vehicle  
HMX: high-melting explosive; octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine  
HNAB: 2,2',4,4',6,6'-hexanitroazobenzene  
HNS: hexanitrostilbene  
HPD: hearing protective device  
HPS: high-pressure sodium (lamps)  
HRA: Health Risk Assessment  
HSC: Army Health Services Command  
HTL: hearing threshold level

## I

IARC: International Agency for Research on Cancer  
I-CAM: Improved-Chemical Agent Monitor  
IDLH: immediately dangerous to life or health  
IEEE: Institute of Electrical and Electronic Engineers  
IES: Illuminating Engineering Society  
IFV: Infantry Fighting Vehicle  
IH: industrial hygiene  
IHHAR: initial health hazard assessment report  
ILS: integrated logistic support  
IMA: independent medical assessor  
IMA: installation medical authority  
INF: Intermediate-Range Nuclear Forces Treaty  
IOL: intraocular lens  
IPP: industrial preparedness plan  
IPR: interim progress report system  
IR: infrared  
IR&D: in-process research and development  
IRP: industrial readiness plan  
IRP: Installation Restoration Program  
IRR: individual ready reservists  
ISO: International Standards Organization  
ITTS: Instrumentation, Target, and Threat Simulation

## J

J: joule  
JSTARS: Joint Surveillance and Target Acquisition Radar System  
JTIDS: Joint Tactical Information Distribution System

## L

$\lambda$ : wavelength  
LAAP: Longhorn Army Ammunition Plant  
LAAT: Laser Augmented Airborne Tow  
LABCOM: U.S. Army Laboratory Command  
LACV-30: Lighter, Air Cushion Vehicle, 30 Ton Capacity  
LAIR: Letterman Army Institute of Research  
LAP: loading, assembling, and packing  
laser: light amplification by stimulated emission of radiation  
LCAAP: Lake City Army Ammunition Plant  
LCM-8: Landing Craft Mechanized-8  
LCU-2000: Landing Craft Utility-2000  
LDH: lactate dehydrogenase  
LMNR: lead mononitroresorcinate,  
LOGSPARS: Logistics, Planning, and Requirements Simplification System  
LOS-F-H: line-of-sight-forward heavy  
LOTS: logistics-over-the-shore  
LRF/D: laser rangefinder and target designator

## M

MAAP: McAlester Army Ammunition Plant  
MACE: maximum allowable consecutive episodes  
MACOM: Major Army Command  
MADP: Army Materiel Acquisition Decision Process  
MANPRINT: Manpower and Personnel Integration  
MBq: megabecquerels  
MCA: military construction, Army  
mCi: millicurie  
MCL: maximum contaminant level  
MCPE: modular collective protection equipment  
M-day: mobilization day  
MDR: Milestone Decision Review  
MEDCEN: Medical Center  
MEDDAC: Medical Department Activity  
MEK: methyl ethyl ketone  
methylene blue: 3,7-bis(dimethylamino)phenazathionium chloride  
MeV: million electron volt  
MHz: megahertz  
MICOM: Army Missile Command  
MILES: Multiple Integrated Laser Engagement System  
MIL-STD: military standard  
MIM: Medical Information Module  
MIOH: Management Indicators for Occupational Health  
MIPK: methyl isopropyl ketone  
MLR: Mortar Locating Radar  
MLRS: Multiple Launch Rocket System  
MMH: monomethyl hydrazine  
MMP: mobilization master plan  
MMS: mast-mounted sight  
MNBK: methyl-n-butyl ketone  
MNT: mononitrotoluene  
MOHV: mobile occupational health vehicle  
MOPP: Mission Oriented Protective Posture  
MOS: Military Occupational Specialty  
MOU: Memorandum of Understanding  
MPE: maximum permissible exposure  
MRDC: Medical Research and Development Command

MSDS: Material Safety Data Sheet  
MSR: Medical Summary Report  
MTF: medical treatment facility  
mW: milliwatt

## N

NAS: National Academy of Sciences  
NATO: North Atlantic Treaty Organization  
NBC: nuclear, biological, and chemical  
Nd:YAG: neodymium:yttrium aluminum garnet  
NG: nitroglycerine  
NHANES II: National Health and Nutrition Examination Survey II  
NIH: National Institutes of Health  
NIOSH: National Institute for Occupational Safety and Health  
nm: nanometer  
NOHD: nominal ocular hazard distances  
NOx: the generic expression for oxides of nitrogen  
NRC: National Research Council  
NRC: Nuclear Regulatory Commission,  
NRPP: Nonionizing Radiation Protection Program  
NRR: noise reduction ratings  
NSN: National Stock Number  
NTE: lymphocytic neuropathy target esterase

## O

OCE: Office of the Chief of Engineers  
OCONUS: outside the continental United States  
OD: optical density  
OH: occupational health  
OHC: occupational healthcare  
OHMIS: Occupational Health Management Information System  
OMS/MP: Operational Mode Summary/Mission Profile  
OPIDN: organophosphorus ester-induced delayed neurotoxicity  
OPM: Office of Personnel Management  
OS: occupational safety  
OSD: Office of the Secretary of Defense  
OS&H: occupational safety and health  
OSHA: Occupational Safety and Health Administration  
OSHAct: Occupational Safety and Health Act  
OT: operational test  
OTSG: Office of The Surgeon General  
OWCP: Office of Workers' Compensation Programs

## P

2-PAM Cl: 2-pyridine aldoloxime methyl chloride  
PA-LAT: posteroanterior-lateral  
PACOM: Pacific Command  
PAH: polynuclear aromatic hydrocarbon  
PAR: pulsed acquisition radar  
PBS: Program/Budget System  
PbS: lead sulfide, also called galena  
PC: personal computer  
pCi: picocurie  
PD: pressure demand  
PEEP: positive end-expiratory pressure  
PEL: permissible exposure level/limit  
PEO: program executive officer  
PETN: pentaerythritol tetranitrate  
PF: protection factor

PFa: assigned PF  
PFmin: minimum PF  
PGDN: propylene glycol dinitrate  
phytonadione: vitamin K<sub>1</sub>  
PIF: productivity investment fund  
PM: program manager  
PMA: phenylmercuric acetate  
PMO: phenylmercuric oleate  
PNS: peripheral nervous system  
POST: passive optical seeker technique  
PP: positive pressure  
PPE: personal protective equipment  
PTS: permanent threshold shift  
PUP: polyurethane paint

## Q

QASAS: quality assurance specialists ammunition surveillance  
QL: ethyl 2-[di-isopropylamino]-ethylmethylphosphonite  
QTPV: Quiet Tracked Vehicle Program

## R

R: roentgen  
RAC: risk assessment code  
radar: radio detecting and ranging  
RADS: reactive airways dysfunction syndrome  
RATT: radio teletype  
RCC: radiation control committee  
RCRA: Resource Conservation and Recovery Act  
RCS: Requirement Control Symbol  
RDE: rapid deployment force  
RDTE: research, development, test, and evaluation  
RDX: research department explosive, also called cyclonite;  
hexahydro-1,3,5-trinitro-1,3,5-triazine  
REFLUPS: Resuscitation Fluids Production System  
RF: radio-frequency  
RFR: radio-frequency radiation  
RGB: red, green, blue (monitors)  
RPE: retinal pigment epithelium  
RPO: radiation protection officer

## S

SAOSHI: Standard Army Occupational Safety and Health Inspection  
SAR: specific absorption rate  
SAR: supplied-air respirator  
SARA: Superfund Amendments and Reauthorization Act  
SARDA: Assistant Secretary of the Army for Research, Development and Acquisition  
SATCOM: satellite communications  
SCBA: self-containing breathing apparatus  
sd: standard deviation  
SDP: System Decision Paper  
SF: standard form  
SGOT: serum glutamic-oxalacetic transaminase  
SGPT: serum glutamic-pyruvic transaminase  
-SH: sulfhydryl group  
SICPS: Standardized Integrated Command Post System  
SINCGARS: Single Channel Ground-to-Air Radio System  
SINCGARS-V: a new family of VHF-FM  
SLEP: Service Life Extension Program  
SMMP: System MANPRINT Management Plan  
SOFA: Status of Forces Agreement

SOP: standing operating procedure  
SOUTHCOM: Southern Command  
SPECS: Special Protective Eyewear Cylindrical System  
SPH: Self-Propelled Howitzer  
SPL: sound-pressure level  
SRA: separate reporting activity  
SSB: single-sideband  
SSN: Social Security Number  
STANAG: standardization agreement  
STEL: short-term exposure limit/level  
STEPO-I: Self-Contained Toxic Environment Protective Outfit-Interim  
STRICOM: Simulation Training Instrumentation Command (previously PM; Trade and PM; Instrumentation, Target, and Threat Simulation [ITTS])  
STS: significant threshold shift  
Sv: sievert  
SWD: sun, wind, and dust

## T

TACOM: Army Tank-Automotive Command  
TAP: Toxicological Agent Protective  
TAPP: Tactical Assault Personnel Parachute  
TATB: 1,3,5-triamino-2,4,6-trinitrobenzene  
TBM: tactical ballistic missile  
TB MED: Technical Bulletin, Medical  
TCA: dalapon, trichloroacetic acid  
TCDD: 2,3,7,8-tetrachlorodibenzo-*p*-dioxin  
TDA: Table of Distribution and Allowances  
TDA: toluenediamine  
TDI: toluene diisocyanate  
TEA: transversely excited atmospheric (pressure)  
TECOM: Army Test and Evaluation Command  
TEPP: tetraethyl pyrophosphate  
tetryl: trinitrophenylmethylnitramine  
THAAD: Theater High Altitude Area Defense (system)  
TLV: Threshold Limit Value  
TMD-GBR: Theater Missile Defense-Ground Based Radar  
TNT: trinitrotoluene  
TOAD: Tobyhanna Army Depot  
TOC: Tactical Operations Center  
TOE: Table of Organization and Equipment  
TOW: tube-launched, optically-tracked, wire-guided  
TQM: top quality management  
TRADOC: Army Training and Doctrine Command  
TROSCOM: Army Troop Support Command  
TTS: temporary threshold shift  
TWA: time-weighted average  
TWT: traveling wave tube

## U

UCMJ: Uniform Code of Military Justice  
UIC: unit identification code  
UOES: User Operational Evaluation System  
USAARL: U.S. Army Aeromedical Research Laboratory  
USABRDL: U.S. Army Biomedical Research and Development Laboratory  
USADACS: U.S. Army Defense Ammunition Center and School  
USAEHA: U.S. Army Environmental Hygiene Agency  
USAMMA: U.S. Army Medical Materiel Activity  
USAMRDC: U.S. Army Medical Research and Development Command  
USANRDEC: U.S. Army Natick Research Development, and

Engineering Command  
USARIEM: U.S. Army Research Institute of Environmental  
Medicine  
USASAC: U.S. Army Security Affairs Command  
USPHS: U.S. Public Health Service  
UV: ultraviolet  
UV-A: ultraviolet radiation at 380-315 nm  
UV-B: ultraviolet radiation at 315-290 nm  
UV-C: ultraviolet radiation at 290-100 nm

**V**

VA: Veterans Administration

VADS: Vulcan Air Defense System  
VCO: vision conservation officer  
VCP: vision conservation program  
VDT: video display terminal  
VGA: video graphics array  
VHF: very high frequency  
VHF-FM: very high frequency-frequency modulation

**W**

WBGT: wet bulb globe temperature  
WRAIR: Walter Reed Army Institute of Research  
WTCV: weapon and tracked combat vehicle

**Z**

ZPP: zinc protoporphyrin