
Acronyms and Abbreviations

ACRONYMS AND ABBREVIATIONS

A-A MISSILEX	Air-to-Air Missile Exercise
A-S GUNEX	Air-to-Surface Gunnery Exercise
A-S MISSILEX	Air-to-Surface Missile Exercise
AAF	Army Airfield
AAQS	Ambient Air Quality Standards
AAV	Amphibious Assault Vehicle
AAW	Anti-air Warfare
ABL	Airborne Laser
ACAM	Air Conformity Applicability Model
ACM	Air Combat Maneuver
ACTH	Adrenocorticotrophic Hormone
ADAR	Air Deployable Active Receiver
AFB	Air Force Base
AFS	Air Force Station
AGL	Above Ground Level
AICUZ	Air Installation Compatible Use Zone
AIROPS	Aircraft Operations
AIS	Automatic Identification System
ALMDS	Airborne Laser Mine Detection System
ALTRV	Altitude Reservation
AMNS	Airborne Mine Neutralization System
AMPHIBEX	Amphibious Exercise
AMW	Anti-Missile Warfare
ANSI	American National Standards Institute
AP	Ammonium Perchlorate
API	Agricultural Preservation Initiative
APZ	Accident Potential Zone
ARDEL	Advanced Radar Detection Laboratory
ARP	Antenna Radiation Patterns
ARTCC	Air Route Traffic Control Center
ASDS	Advanced Sea, Air, and Land Delivery System
ASFA	Aquatic Sciences and Fisheries Abstract
ASRM	Advanced Solid Rocket Motor
AST	Aboveground Storage Tank
ASUW	Anti-Surface Warfare
ASW	Antisubmarine Warfare
ATCAA	Air Traffic Control Assigned Airspace
ATF	Acoustic Test Facility
ATOC	Acoustic Thermometry of Ocean Climate
AWOIS	Automated Wreck and Obstruction Information System

Acronyms and Abbreviations

BARSTUR	Barking Sands Tactical Underwater Range
BMD	Ballistic Missile Defense
BOMBEX	Bombing Exercise
BRAC	Base Realignment and Closure
BSURE	Barking Sands Underwater Range Extension
BWS	Board of Water Supply
C2	Command and Control
C3	Command, Control, and Communications
CAA	Clean Air Act
CAS	Close Air Support
CASEX	Close Air Support Exercise
CATM	Captive Air Training Missile
CCD	Coastal Consistency Determination
CEC	Cooperative Engagement Capability
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
FFFC	Commander, Fleet Forces Command
CFR	Code of Federal Regulations
CHAFFEX	Chaff Exercise
CHCRT	Currently Harvested Coral Reef Taxa
CHESS	Chase Encirclement Stress Studies
CHRIMP	Consolidated Hazardous Material Reutilization and Inventory Management Program
CMUS	Crustacean Management Unit Species
CNEL	Community Noise Equivalent Level
CNO	Chief of Naval Operations
COMNAVSURFPAC	Commander, Naval Surface Force, U.S. Pacific Fleet
COMPTUEX	Composite Training Unit Exercise
COSIP	Coherent Signal Processing
CRRC	Combat Rubber Raiding Craft
CSG	Carrier Strike Group
CSSQT	Combat System Ship Qualification Trial
CV	Coefficient of Variation
CWA	Clean Water Act
CWB	Clean Water Branch
CZMA	Coastal Zone Management Act
dB	Decibel
dBa	A-Weighted Decibels
DBDV	Digital Bathymetry Data Base Variable Resolution
dBp	Decibels (Peak)
DDC	Defense Distribution Center
DDT	Dichlorodiphenyltrichloroethane
DEIS	Draft Environmental Impact Statement

DEMO	Demolition
DHHL	Department of Hawaiian Homelands
DICASS	Directional Command-Activated Sonobuoy System
DLNR	Department of Land and Natural Resources
DMR	Dillingham Military Reservation
DoD	Department of Defense
DOE	Department of Energy
DOT	Department of Transportation
DRMO	Defense Reutilization and Marketing Office
EA	Environmental Assessment
EC	Electronic Combat
ECM	Electronic Countermeasures
EER	Extended Echo Ranging
EEZ	Exclusive Economic Zone
EFD	Energy Flux Density
EFH	Essential Fish Habitat
EFV	Expeditionary Fighting Vehicle
EIS	Environmental Impact Statement
EL	Energy Level
EM	Electromagnetic
EMESS	Electro-magnetic Environmental System Simulator
EMI	Electromagnetic Interference
EMR	Electromagnetic Radiation
ENSO	El Niño Southern Oscillation
EO	Executive Order
EOD	Explosive Ordnance Disposal
EODMU	Explosive Ordnance Disposal Mobile Unit
EPCRA	Emergency Planning and Community Right-to-Know Act
ERGM	Extended Range Guided Munition
ESA	Endangered Species Act
ESG	Expeditionary Strike Group
ESM	Electronic Warfare Support Measures
ESQD	Explosive Safety Quantity Distance
ET	Electronically Timed
EW	Electronic Warfare
°F	Degree Fahrenheit
FAA	Federal Aviation Administration
FACSFAC	Fleet Area Control and Surveillance Facility
FAR	Federal Acquisition Regulation
FAST	Floating At Sea Target
FCLP	Field Carrier Landing Practice
FEIS	Final Environmental Impact Statement
FIR	Flight Information Region

Acronyms and Abbreviations

FIREX	Fire Support Exercise
FL	Flight Level
FLAREX	Flare Exercise
FM	Frequency Modulation
FMP	Fisheries Management Plan
FOIA	Freedom of Information Act
FORACS	Fleet Operational Readiness
FRTP	Fleet Readiness Training Plan
FSEL	Flat Sound Equivalent Level
ft	Foot (Feet)
ft ²	Square Foot (Square Feet)
ft-lb	Foot-pound Force
FTEC	Fleet Technical Evaluation Center
FTF	Flexible Family Target
FY	Fiscal Year
gal	Gallon
GDEM	Generalized Dynamic Environmental Model
GEM	Graphite Epoxy Motor
GHA	Ground Hazard Area
GPD	Gallons Per Day
GUNEX	Gunnery Exercise
HA/DR	Humanitarian Assistance/Disaster Relief
HAFB	Hickam Air Force Base
HAO/NEO	Humanitarian Assistance Operation/Non-Combatant Evacuation Operation
HAPC	Habitat Areas of Particular Concern
HAR	Hawaii Administrative Regulations
HARM	High-Speed Anti-Radiation Missile
HATS	Hawaii Area Tracking System
HCF	Hawaii Community Foundation
HDAR	Hawaii Department of Aquatic Resources
HDLNR	Hawaii Department of Land and Natural Resources
HE-ET	High Explosive Electronically Timed Projectile
HERF	Hazard of Electromagnetic Radiation to Fuel
HERO	Hazard of Electromagnetic Radiation to Ordnance
HERP	Hazard of Electromagnetic Radiation to Personnel
HF	High Frequency
HFBL	High Frequency Bottom Loss
HIANG	Hawaii Air National Guard
HIHWNMS	Hawaiian Islands Humpback Whale National Marine Sanctuary
HMR	Helemano Military Reservation
HRC	Hawaii Range Complex
HRS	Hawaii Revised Statutes
Hz	Hertz

ICAO	International Civil Aviation Authority
ICRMP	Integrated Cultural Resource Management Plan
IEER	Improved Extended Echo Ranging
IFF	Identification Friend or Foe
IFR	Instrument Flight Rules
IHA	Incidental Harassment Authorization
INRMP	Integrated Natural Resources Management Plan
IR	Infrared
IRFNA	Inhibited Red Fuming Nitric Acid
IRP	Installation Restoration Program
ISTT	Improved Surface Towed Targets
ITAM	Integrated Training Area Management
IUCN	International Union for Conservation of Nature and Natural Resources (World Conservation Union)
IWC	International Whaling Commission
JNTC	Joint National Training Capability
JTF WARNET	Joint Task Force Wide Area Relay Network
JTFEX	Joint Task Force Exercise
KE-ET	Kinetic Energy Projectile
kHz	Kilohertz
km	kilometer
KIUC	Kauai Island Utility Cooperative
KTA	Kahuku Training Area
KTF	Kauai Test Facility
kV	Kilovolt
KW	Kilowatt
LASH	Littoral Airborne Sensor Hyper-spectral
LATR	Large Area Tracking Range
lb	Pound(s)
LCAC	Landing Craft, Air Cushioned
LCU	Landing Craft, Utility
L _{in}	Day-Night Average Sound Level
L _{eq}	Energy Equivalent Sound Level
L _{eq} 1 sec	1-Second Averaged Equivalent Sound Level
LFA	Low-Frequency Active
LFBL	Low-Frequency Bottom Loss
LFX	Live Fire Exercise
LMRS	Long-term Mine Reconnaissance System
L _{max}	Maximum Sound Level
LOA	Letter of Authorization
LOS	Level of Service
LSRB	Laser Safety Review Board
LTO	Landing and Takeoff

Acronyms and Abbreviations

LWAD	Littoral Warfare Advanced Development
m	Meter
m/sec	Meter per Second
MATSS	Mobile Aerial Target Support System
MBTA	Migratory Bird Treaty Act
MCBH	Marine Corps Base Hawaii
MCM	Mine Countermeasures
MCTAB	Marine Corps Training Area–Bellows
MDA	Missile Defense Agency
MDSU-1	Mobile Diving and Salvage Unit One
MFSO	Missile Flight Safety Officer
MGD	Million Gallons Per Day
mg/kg	Milligrams Per Kilogram
mg/m ²	Milligrams Per Square Meter
mg/m ³	Milligrams Per Cubic Meter
µg/m ³	Micrograms Per Cubic Meter
MHz	Megahertz
mi	Mile
mi ²	Square Mile
MIDPAC	Mid-Pacific
MINEX	Mine Exercise
MISSILEX	Missile Exercise
MIW	Mine Warfare
MMHSRP	Marine Mammal Health and Stranding Response Program
MMPA	Marine Mammal Protection Act
MMR	Makua Military Reservation
MMR	Military Munitions Rule
µPa	Micropascal
µPa-m	Micropascal-Meter
µPa ² -s	Micropascal Squared-Second
msec	Microsecond
MSFCMA	Magnuson-Stevens Fishery Conservation and Management Act
MSL	Mean Sea Level
MW	Megawatt
N/A	Not Applicable
NAAGS	National Ambient Air Quality Standards
NAGPRA	Native American Graves Protection and Repatriation Act
NASA	National Aeronautics and Space Administration
NATO	North Atlantic Treaty Organization
NAVEDTRA	Naval Educational Training
NAVIMAG	Naval Magazine
NAVSEA	Naval Sea Systems Command

NAVSEAOP	Naval Sea Systems Command Publication
NCA	National Command Authority
NDAA	National Defense Authorization Act of 2004
NEO	Noncombatant Evacuation Operation
NEPA	National Environmental Policy Act
NEW	Net Explosive Weight
nm	Nautical Mile
nm ²	Square Nautical Miles
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOTAM	Notice to Airmen
NOTMAR	Notice to Mariners
NPAL	North Pacific Acoustic Laboratory
NRHP	National Register of Historic Places
NSFS	Naval Surface Fire Support
NSW	Naval Special Warfare
NTA	Navy Tactical Task
NUWC	Naval Undersea Warfare Center
OAMCM	Organic Airborne Mine Countermeasures
OASIS	Organic Airborne and Surface Influence Sweep
OC	Oceanic Control
OEIS	Overseas Environmental Impact Statement
OMCM	Organic Mine Countermeasures
ONR	Office of Naval Research
OPA	Oil Pollution Act
OPAREA	Operating Area
OPNAVINST	Office of the Chief of Naval Operations Instruction
ORMP	Ocean Resources Management Plan
OSHA	Occupational Safety and Health Administration
OTTO	Torpedo Fuel
oz/lb	Ounces Per Pound
PCB	Polychlorinated Biphenyl
pH	Hydrogen Ion Concentration (a measure of acidity/alkalinity)
PHCRT	Potentially Harvested Coral Reef Taxa
PL	Public Law
PM-2.5	Particulate Matter with an Aerodynamic Diameter Less Than or Equal to 2.5 Microns
PM-10	Particulate Matter with an Aerodynamic Diameter Less Than or Equal to 10 Microns
PMRF	Pacific Missile Range Facility
PMRFINST	Pacific Missile Range Facility Instruction

Acronyms and Abbreviations

POL	Petroleum, Oil, and Lubricants
POW/MIA	Prisoner of War/Missing in Action
ppb	Parts Per Billion
ppm	Parts Per Million
psi	Pounds Per Square Inch
psi-ms	Pounds Per Square Inch-Millisecond
PTA	Pohakuloa Training Area
PUTR	Portable Undersea Tracking Range
Q/L	Quick Look
RAMICS	Rapid Airborne Mine Clearance System
RCC	Range Commanders Council
RCMP	Range Complex Management Plan
RCRA	Resource Conservation and Recovery Act
RDF	Radio Direction Finding
RDT&E	Research, Development, Test, and Evaluation
RDX	Royal Demolition Explosive
RF	Radio Frequency
RHIB	Rigid Hull, Inflatable Boat
RIMPAC	Rim of the Pacific
RMS	Remote Minehunting System
RMS	Root Mean Square
ROD	Record of Decision
RSOP	Range Safety Operation Plan
RSS	Range Safety System
S-A GUNEX	Surface-to-Air Gunnery Exercise
S-S GUNEX	Surface-to-Surface Gunnery Exercise
S-A MISSILEX	Surface-to-Air Missile Exercise
S-S MISSILEX	Surface-to-Surface Missile Exercise
SARA	Superfund Amendments and Reauthorization Act
SAT/UNSAT	Satisfactory/Unsatisfactory
SBMH	Schofield Barracks Military Reservation
SD	Standard Deviation
SDV	Sea, Air and Land Delivery Vehicle
SEAL	United States Navy Sea, Air and Land
SEL	Sound Equivalent Level
sec	Second
SEPTAR	Seaborne Target
SESEF	Shipboard Electronic Systems Evaluation Facility
SHPO	State Historic Preservation Office
SICO	System Integration Checkout
SINKEX	Sink Exercise
SM	Standard Missile

SMA	Sonar Modeling Area
SOA	Submarine Operating Area
SOP	Standard Operating Procedures
SPAWAR	Space and Naval Warfare
SPECWAROPS	Special Warfare Operations
SPL	Sound Pressure Level
SSC	SPAWAR Systems Center
SSTA	Submarine Sonar Training Area
STS	Strategic Target System
SUA	Special Use Airspace
SURFSAT	Surface Weapons System Accuracy Test
SURTASS	Surveillance Towed Array Sensor System
SVP	Sound Velocity Profile
SWA	Submarine Warfare System Assessment
SWTR	Shallow Water Training Range
TA	Training Area
TACAN	Tactical Air Navigation
TAP	Tactical Training Theater Assessment and Planning
TBP	Tributyl Phosphate
T&E	Test and Evaluation, Threatened and Endangered
T/G	Touch-and-Go Landing
THAAD	Terminal High Altitude Area Defense
TL	Transmission Loss
TM	Tympanic Membrane
TMDL	Total Maximum Daily Load
TNT	Trinitrotoluene
TOA	Temporary Operating Area
TORPEX	Torpedo Exercise
TPY	Tons Per Year
TRACKEX	Tracking Exercise
TTS	Temporary Threshold Shift
UAV	Unmanned Aerial Vehicle
UESA	Ultra High Frequency Electronically Scanned Array
UHF/VHF	Ultra High Frequency/Very High Frequency
UME	Unusual Mortality Event
UNDS	Uniform National Discharge Standard
U.S.	United States
USACE	United States Army Corps of Engineers
USAKA	United States Army Kwajalein Atoll
U.S.C.	United States Code
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service

Acronyms and Abbreviations

USSPACECOM	United States Space Command
UST	Underground Storage Tank
USV	Unmanned Surface Vehicle
USWEX	Undersea Warfare Exercise
UXO	Unexploded Ordnance
USWREF	Undersea Warfare Readiness Evaluation Facility
USWTR	Undersea Warfare Training Range
VBSS	Visit, Board, Search, and Seizure
VERTREP	Vertical Replacement
VFR	Visual Flight Rules
VHF	Very High Frequency
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compound
VTOL	Vertical Takeoff and Landing
W	Warning Area
WAAF	Wheeler Army Airfield
WIT	Waterfront Integration Test
WNTC	Wheeler Network Communications Control
WPRFMC	Western Pacific Regional Fishery Management Council
WWTP	Waste Water Treatment Plant
ZOI	Zone of Influence