

ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius	cm	centimeter(s)
°F	degrees Fahrenheit	CMECS	Coastal and Marine Ecological Classification Standard
µg/g	microgram(s) per gram	CNMI	Commonwealth of the Northern Mariana Islands
µg/L	microgram(s) per liter	CO	carbon monoxide
µPa	micropascal(s)	CO ₂	carbon dioxide
µPa ² -s	micropascal squared second(s)	COMNAVMAR	Commander, U.S. Naval Forces Marianas
A-A	Air-to-Air	COMNAVMIANASINST	Commander, U.S. Naval Forces Marianas Instruction
AAV	Amphibious Assault Vehicle	CRRC	Combat Rubber Raiding Craft
AAW	Anti-Air Warfare	CSAR	Combat Search and Rescue
ac.	acre(s)	CV	coefficient of variation
ACM	Air Combat Maneuver	CVN	Aircraft Carrier
ADEX	Air Defense Exercise	dB	decibel(s)
AEP	Auditory Evoked Potentials	dba	A-weighted decibel(s)
AFB	Air Force Base	dB re 1 µPa	decibels referenced to 1 micropascal
AFI	Air Force Instruction	DDG	destroyer
AFPMB	Armed Forces Pest Management Board	DDT	dichlorodiphenyltrichloroethane
A-G	Air-to-Ground	DEIS	Draft Environmental Impact Statement
AG	Airgun	DNA	deoxyribonucleic acid
AGL	above ground level	DoD	Department of Defense
AIC	Air Intercept Control	DPS	Distinct Population Segment
ALMDS	Airborne Laser Mine Detection System	DS	Doppler Sonar
AMW	Amphibious Warfare	DVLA	Distributed Vertical Line Array
Army	United States Army	DZ	Danger Zone
A-S	Air-to-Surface	E	Explosive
AS	Submarine Tenders	EA	Environmental Assessment
ASUW	Anti-Surface Warfare	EEZ	Exclusive Economic Zone
ASW	Anti-Submarine Warfare	EFH	Essential Fish Habitat
ATCAA	Air Traffic Control Assigned Airspace	EFHA	Essential Fish Habitat Assessment
AUTEC	Atlantic Undersea Test and Evaluation Center	EIS	Environmental Impact Statement
BaCrO ₄	barium chromate	EL	Exposure Level
BAMS	Broad Area Maritime Surveillance	EMATT	Expendable Mobile ASW Training Target
BIA	Biologically Important Area	EO	Executive Order
BO	Biological Opinion	EOD	Explosive Ordnance Disposal
BOMBEX	Bombing Exercise	Eq	equivalent
BNM	Broadcast Notice to Mariners	ESA	Endangered Species Act
BRF	Behavioral Response Function	EW	Electronic Warfare
C	Celsius	EXTORP	Exercise Torpedo
C-4	Composition 4	F	Fahrenheit
CD	Consistency Determination	FAA	Federal Aviation Administration
CEE	Controlled Exposure Experiments	FAD	fish aggregating device
C.F.R.	Code of Federal Regulations	FDM	Farallon de Medinilla
CG	Cruiser	FEIS	Final Environmental Impact Statement
CH ₄	methane	FFG	Frigates
CHAFFEX	Chaff Exercise	FIREX	Fire Support Exercise
CITES	Convention on International Trade in Endangered Species	FL	Flight Level
CJMT	Commonwealth of the Northern Mariana Islands Joint Military Training		
CLZ	Craft Landing Zone		

FLAREX	Flare Exercise	MFA	Mid-frequency Active
FR	Federal Register	mg/L	milligram(s) per liter
ft.	square foot/feet	mi.	mile(s)
ft./s	feet per second	mi. ²	square mile(s)
ft. ²	square foot/feet	mi. ³	cubic mile(s)
FY	Fiscal Year	MIRC	Mariana Islands Range Complex
g	gram(s)	MISSILEX	Missile Exercise
G	gauss	MISTCS	Mariana Islands Sea Turtle and Cetacean Survey
g(0)	detection probability		
GCA	Guam Code Annotated	MITT	Mariana Islands Training and Testing
GHz	gigahertz	MIW	Mine Warfare
GI	gastrointestinal	ml/L	milliliter(s) per liter
GMDSS	Global Maritime Distress and Safety System	MLA	Military Lease Area
		mm	millimeter(s)
GUNEX	Gunnery Exercise	MMPA	Marine Mammal Protection Act
ha	hectare(s)	MPA (1)	Marine Preserve Area
HARP	High Frequency Recording Package	MPA (2)	Maritime Patrol Aircraft
HC	hydrocarbons	msl	mean sea level
Helo	helicopter	MSO	Maritime Security Operations
Hg (CNO) ₂	Fulminate of Mercury	N ₂ O	nitrous oxide
HMX	High Melting Point Explosive	NAEMO	Navy Acoustic Effects Model
HRC	Hawaii Range Complex	NAVTEXT	Navigational Telex
Hz	Hertz	Navy	United States Department of the Navy
IEER	Improved Extended Echo Ranging	NEPA	National Environmental Policy Act
in.	inch(es)	NEPM	Non-Explosive Practice Munition
in ³	cubic inches	NEW	Net Explosive Weight
INRMP	Integrated Natural Resources Management Plan	ng	nanogram(s)
		ng/L	nanograms(s)/liter
IR	infrared	nm	nautical mile(s)
ISR	Intelligence, Surveillance, Reconnaissance	nm ²	square nautical mile(s)
ISTT	Improved Surface Tow Target	NMFS	National Marine Fisheries Service
kg	kilogram(s)	NO ₂	nitrogen dioxide
kHz	kilohertz	NOAA	National Oceanic and Atmospheric Administration
km	kilometer(s)		
km ²	square kilometer(s)	NOx	nitrogen oxides
km ³	cubic kilometer(s)	NSW	Naval Special Warfare
kPa	kilopascal(s)	NSWC	Naval Surface Warfare Center
kV	kilovolt(s)	NTM	Notice to Mariners
lb.	pound(s)	NTU	Nephelometric Turbidity Units
LCAC	Air Cushioned Landing Craft	nV	nanovolt(s)
LCM	Landing Craft Mechanized	O ₃	ozone
LCS	Littoral Combat Ship	OASIS	Organic Airborne and Surface Influence Sweep
LCU	Landing Craft, Utility		
LHA/LHD	Amphibious Assault Ships	OBIS	Ocean Biographic Information System
LNM	Local Notice to Mariners	OEA	Overseas Environmental Assessment
LPD	Amphibious Transport Dock	OEIS	Overseas Environmental Impact Statement
LSD	Dock Landing Ship	OPNAVINST	Chief of Naval Operations Instruction
m	meter(s)	Ops	Operations
M	Acoustic Modems	oz.	ounce(s)
m/s	meter(s) per second	P	Pingers
m ²	square meter(s)	Pa	Pascal(s)
MBTA	Migratory Bird Treaty Act	Pa-s	Pascal-seconds
MCM	Mine Countermeasure(s)	PACOM	Pacific Command

Pb(N ₃) ₂	lead azide	Tg	teragram(s)
PbO	lead (II) oxide	Tg CO ₂ Eq	carbon dioxide equivalents
PC	Patrol Coastal Ships	TL	Transmission Loss
PCB	polychlorinated biphenyl	TNT	Trinitrotoluene
PCD	Panama City Division	TORP	Torpedoes
PM	particulate matter	TORPEX	Torpedo Exercise
PMRF	Pacific Missile Range Facility	TPY	tons per year
ppb	parts per billion	TRACKEX	Tracking Exercise
ppm	parts per minute	TTS	Temporary Threshold Shift
ppt	parts per thousand	U.S.	United States
psi	pounds per square inch	U.S.C.	United States Code
PTS	Permanent Threshold Shift	UAV	Unmanned Aerial Vehicle
R	Restricted Area	UISS	Unmanned Influence Sweep System
RDX	Royal Demolition Explosive	UNDET	Underwater Detonation
REXTORP	Recoverable Exercise Torpedo	USACE	U.S. Army Corps of Engineers
RHIB	Rigid Hull Inflatable Boat	USAF	U.S. Air Force
RL	Received Level	USEPA	U.S. Environmental Protection Agency
rms	root mean square	USFWS	U.S. Fish and Wildlife Service
RMS	Remote Minehunting System	VHF	Very High Frequency
ROD	Record of Decision	VOC	volatile organic compounds
ROG	Reactive Organic Gases	W	Warning Area
ROV	Remotely Operated Vehicle	WPacFIN	Western Pacific Fisheries Information Network
S-A	Surface-to-Air	yd.	yard(s)
SAG	Scientific Advisory Group	yd. ²	square yard(s)
SAS	Synthetic Aperture Sonar	YP	Yard Patrol Craft
SCUBA	Self Contained Underwater Breathing Apparatus		
SD	Swimmer Detection Sonar		
SDST	Ship Deployable Seaborne Target		
SEAL	Sea, Air, Land		
SEAMAP	Spatial Ecological Analysis of Megavertebrate Populations		
SEL	Sound Exposure Level		
SF ₆	sulfur hexafluoride		
SINKEX	Sinking Exercise		
SL	Source Level		
SMCMEX	Mine Countermeasure Exercise – Surface		
SO ₂	sulfur dioxide		
SOCAL	Southern California		
SOx	sulfur oxides		
SPL	Sound Pressure Level		
spp.	species (plural)		
S-S	Surface-to-Surface		
SSBN	Fleet Ballistic Missile Submarines		
SSGN	Guided Missile Submarines		
SSS	Side Scan Sonar		
SSTC	Silver Strand Training Complex		
STW	Strike Warfare		
SUA	Special Use Airspace		
SUS	Signal Underwater Sound		
SWATH	Small Waterplane Area Twin Hull		
T	Tesla		
TACP	Tactical Air Control Party		

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