

# *Acronyms and Abbreviations*

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## **G**

G Giga (billion)

G-G Ground-to-Ground

G-STAR GGPS Spatial Temporal Antijam Receiver

G/ATOR Ground/Air Task Oriented Radar (USMC air defense sensor, *ca* 2005)

g Gravitational Acceleration Unit

g-LOC g-force (Gravity) -induced Loss of Consciousness

GA Generic Algorithm; Gain (antenna gain); Genetic Algorithm

GaAs Gallium Arsenide

GAINS GPS-Aided Inertial Navigation System

GAISER Generic Airborne Interceptor SEarch Radar

GALE Global Autonomous Language Exploitation (*e.g.*, DARPA program *ca* 2003 using techniques for discovering critical intelligence by autonomously exploiting enormous volumes of streaming speech and text - fielded *ca* 2010)

GAM GPS-Aided Munitions (*e.g.*, LOCAAS)

GAMES Guided Artillery Munitions Effectiveness Simulation

GAN Global Area Network

GANS Global Access, Navigation and Safety; Global Air Navigation System

GAP Glock Automatic Pistol (*e.g.*, ".45 GAP" as compared to ".45 ACP [ Automatic Colt Pistol ])

GAPA Ground-to-Air Pilotless Aircraft

GAPSAT Gapfiller Satellite (part of the WGS program)

GARDIAN General ARea Defense Integrated ANti-missile laser system

GAS Genetic Algorithm

GASS Generic Acoustics Stimulation System (USN)

GAT Genetic Algorithm Technology

GATES Global Air Transportation Execution System

GATM Global Air Traffic Management

G/ATOR Ground/Air Task-Oriented Radar (*e.g.*, USMC air defense sensor, *ca* 2005)

GATOR Ground Auto Targeting Observation Reactive Program

GATR Ground Air Transmit Receive

GATS GPS-Aided Targeting System

GAUSS GTRI Aerial Unmanned Sensor System (GTRI: Georgia Tech Research Institute)

GB GigaByte (10<sup>9</sup> bytes); Glide Bomb

GBAD Ground-Based Air Defence (U.K.); Ground-Based Air Defense

GBAD DE Ground Based Air Defense Directed Energy

GBADS Ground Based Air Defense System (South Africa)

GBCS Ground-Based Common Sensor

GBCS-L Ground-Based Common Sensor - Light

GBE Grid Bandwidth Expansion

GBF/PL Government-Furnished Baseline Parts List

GBCS Ground Based Common Sensor

GBIED Goat-borne Improvised Explosive Device

GBL Ground Based Laser

GBR Ground Based Radar

GBR-P Ground Based Radar Prototype

GBS Global Broadcast Service; Global Broadcast System; Global Broadcast Satellite

GBSAA Ground Based Sense And Avoid (US Army system *ca* 2012)

GBTS Ground-Based Training System (part of the JPATS program)

GBU Guided Bomb Unit

G&C Guidance and Control

GC<sup>3</sup>IS Ground Command Control Communications & Information System

GCA Ground Controlled Approach

GCC Geographic Combat Commander (U.S. Navy)

GCCC Global C<sup>4</sup>I Surveillance and Reconnaissance Coordination Center

GCCS Global Command and Control System

GCCS-A Global Command and Control System - Army

GCCS-J Global Command and Control System - Joint

GCCS-K Global Command and Control System - Korea

GCCS-M Global Command and Control System - Maritime

GCE Ground Control Equipment; Ground Communications Equipment

GCI Ground Control Intercept

GCN GMD Communications Network

GCSS Global Combat Support System

GCTF Global Counterterrorism Task Force

GCU Guidance Control Unit

GCW Global Conventional War (Level of Conflict)

GDAL Geospatial Data Abstraction Library (*e.g.*, open source software toolkit, *ca* 2005)

GDELT Global Database of Events, Language and Tone (a Global Database of worldwide, multi-decade, geo-referenced, daily events data for research, *ca* 2013)

GDIN Global Defense Information Network

GDS Gunshot Detection System

GDSS Group Decision Support System

GDU-R Gun Display Unit Replacement

GE Global Engagement

GEM Global positioning system (GPS) Embedded Module; Guidance Enhanced Missile (Japan)

GEMACS General Electromagnetic Model for Analysis of Complex Systems1

GEMS Global Environmental MEMS Sensors (dust particle-size airborne probes with embedded MEMS to measure temperature, pressure, humidity, etc...); Ground Element MEECN System

GEMSIS Global Electromagnetic Spectrum Information System

GEMSS Ground-Emplaced Mine Scattering System

GENBCST GENSER Broadcast

GENESIS GENERric Smart Indirect-fire Simulation

GENSER General Service

GEN-X General (or Generic) Expendable (a free-fall expendable missile decoy)

GEO Geosynchronous Earth Orbit (seven earth radii, one-ninth of the distance to the moon, altitude = 36,000 km)

GEODSS Ground-based Electro-Optical Deep Space Sensor; Ground-based Electro-Optical Deep Space Surveillance (system)

GEOINT Geospatial Intelligence; Geointelligence

GEOREF Geographic Reference

GEOS Geo-Orbital Environmental Satellite

GEOSAR GEOgraphic Synthetic Aperture Radar

GEOSAT Geosynchronous Satellite

GEOSIT Geographic Situation

GEOSS Global Earth Observation System of Systems (*e.g.*, a world-wide Earth monitoring network)

GEP Ground Entry Point (communications)

GERT Graphical Evaluation and Review Technique

GES Gateway Earth Station

GET Graphical Exploitation Tool (imagery)

GETS Government Emergency Telecommunications Service (or Systems)

GEU Guidance Electronic Unit (*e.g.*, for a missile)

GFC/C GMD Fire Control and Communications

GFCI Ground-Fault Circuit Interrupter

GFE Government Furnished Equipment

GF MPL Geophysical Fleet Mission Program Library (Web-based, established in 1982)

GFO GEOSAT Follow-On

GFRP Glass Fiber-Reinforced Plastic (composite used in marine industries)

GFS Global Fleet Station

G-G Ground-to-Ground

GHMD Global Hawk Maritime Demonstration (*ca* 2005)

GHz GigaHertz (1,000 MHz)

GIAC Graphical Input Aggregate Control (system)

GIB "Guy In Back" (refers to the individual in the back seat of an aircraft)

GiB gibibytes - (*e.g.*, binary giga:  $2^{30}$ ), equal to  $2^{10}$  MiB (mebibytes)

GIC Geomagnetically-Induced Current (*e.g.*, caused by solar activity)

GID Group Identification

GIF Guidance Integrated Fuzing; Graphical Interchange Format

GIG Global Information Grid

GIG-BE Global Information Grid - Bandwidth Expansion

GIGAFLOP Billion (giga) Floating Operations (per second)

GIG-ES Global Information Grid-Enterprise Services

GIGO Garbage In, Garbage Out

GILS Government Information Locator Service

GIMS Global Information Management System

GINA GPS Inertial Navigation Assembly; Global Information Network Architecture ("system of systems" *ca* 2012)

GIQE General Image Quality Equation (*e.g.*, used in Electro-optics)

GIS Geographical Information System; Gas-Insulated Switch; Geospatial Information System

GIS Geospatial Intelligence System

GISA Ground Intelligence Support Activity (U.S. Army)

GISC Global Innovation and Strategy Center (U.S. Strategic Command)

GIS-R Geospatial Intelligence System - Repository

GITIS Ground Integrated Target Identification System

GLASS Global Area Strike System

GLCM Ground-Launched Cruise Missile

GLIMPS Grenade-Launched Imaging Modular Projectile System.

GLOBIXS Global Information Exchange System

g-LOC g-force (Gravity) -induced Loss of Consciousness

GloMo *Global Mobile* (Information System)

GLONASS GLObal NAVigation Satellite System (Russian counterpart of GPS); GLObal Orbiting NAVigation Satellite System

GLPS Gun-Laying Positioning System (U.S. Army)

GLTA Guided Laser Turret Assembly (*e.g.*, for Large Aircraft InfraRed CounterMeasures [LAIRCM])

GLV Grating Light Valve

GM Guided Munitions; Gunner's Mate

GMAT General Mission Analysis Tool (NASA)

GMBK Gigawatt Multiple Beam Klystron

GMD Ground-based Midcourse Defense (*i.e.*, missile defense)

GMDSS Global Maritime Distress and Safety System

GMF Ground Mobile Force

GMFP Global Military Force Policy (JCS)

GMHD Global Hawk Maritime Demonstration (*e.g.*, unmanned aerial system)

GMIC Glass Microwave Integrated Circuit

GMLS Guided Missile Launching System

GMP Global Maritime Partnership

GMPLS General Multi-Protocol Label Switching

GMR Giant MagnetoResistance; Ground Mobile Radio

GMSP Global Multi-mission Service Platform

GMT Greenwich Mean Time

GMTI Ground Moving-Target Indication; Ground Moving-Target Indicator

GMU Gigabyte Memory Unit

GMV Ground Mobility Vehicle

GN&C Guidance, Navigation and Control

GNECS Global Naval Expeditionary Care System (USN)

GNIE Global Network Information Enterprise

GNO Global Network Operations

GNOS Global Network Operations Security

GNR Global Network Radio

GNSS Global Navigation Satellite System, Generic Navy Stimulator/Simulator

GOB Ground Order of Battle

GOCO Government Owned, Contractor Operated

GOES Geostationary Operational Environmental Satellite

GOPS Gigaoperations per Second

GOSIP Government Operation Systems Interconnection Profile; Government OSI Protocol

GOSP Gas/Oil Separation Platform (*e.g.*, in the Persian Gulf)

GOTS Government Off-The-Shelf

GP General Purpose

GPALS Global Protection Against Limited Strikes (Replaced by BMD)

GPB General Purpose Bomb

GPEN Ground Penetrating (*e.g.*, GPEN RADAR)

GPETE General Purpose Electronic Test Equipment

GPIR Ground Penetrating Imaging Radar

GPL General Programming Language



GPM Ground Propulsion Mobility

GPR Ground Penetrating Radar

GPRS Global Personnel Recovery System; General Packet Radio Service;  
General Packet Radio System

GPRU General Purpose Reporting Unit

GPS Global Positioning System; Global Positioning Satellite

GPSCS General-Purpose Satellite Communications System

GPSR Generic Pulsed Surface Radar

GPTA Guardian Pointer Tracker Assembly

GP-TAP General Purpose-Trunk Access Port (system)

GPTTS Gunner's Primary Tank Thermal Sight

GPWS Ground Proximity Warning System

GPX GPS Experiment

GQ General Quarters

GQDS Graphical Query and Design System

GR GuardRail

GRAB Galactic Radiation and Background; Galactic Radiation Background  
(satellite)

GRASER Gamma-Ray Laser

GRAM-SAASM See GRAASM

GRAASM GPS Receiver Applications Module Selective Availability/Anti-  
Spoofing Module

GR/CS GuardRail/Common Sensor (also GRCS)

GREEN Ground Renewable Expeditionary Energy Network

GREENS Ground Renewable Expeditionary ENergy System (*e.g.*, use of solar

power to power high-tech devices; USMC ca 2010)

GRIFFIN Globally Reaching Interactive Fully Functional Information Network (*e.g.*, Joint network - *ca* 2005)

GRIN Gradient Refractive INdex (optical material)

GRIP G(lobal Positioning System) Rangeless Instrumentation Pod

GRIS GR/CS Interoperability Subsystem

GRP Geographic Reference Point; Group; Glass-Reinforced Plastic (*e.g.*, composite structure hull material)

GRS Gamma Ray Spectrometer

GRWSIM Ground Warfare Simulation

GS Ground Station; Government Service; General Schedule (DoD system)

GSA General Services Administration

GSAR Generic Semi-Active Radar

GSCCE Gapfiller Satellite Configuration Control Element

GSM Global System for Mobile (communications); Global System Mobile

GSM *Groupé Speciale Mobile*; Group System Mobile

GSO GeoStationary Orbit; Geosynchronous Orbit (*e.g.*, satellite)

GSOC Global Security Operations Center

GSORTS Global Status of Resources and Training System

GSPL Ground Systems Power and Energy Laboratory (Army)

GSR Ground Surveillance Radar

GSRT Global Surveillance, Reconnaissance and Targeting (system)

GSS Ground Support Subsystem; Ground System Survivability

GSSAP Geosynchronous Space Situational Awareness Program (USAF)

GSTAMIDS Ground STAnd-off MIne Detection System

G-STAR GPS Spatial Temporal Antijam Receiver  
GSTF Global Strike Task Force  
GSTS Ground Based Surveillance and Tracking System  
GTA Global Transport Aircraft  
GTACS Ground Theater Air Control System  
GTC Guide-To-Coordinate (*e.g.*, weapon)  
GTIN Global Trade Item Number  
GTLA Guardian Laser Tracking Assembly  
gTLD Generic Top Level Domain (Internet)  
GTN Global Transportation Network  
GTO Geostationary Transfer Orbit  
GTOW Gross Take-Off Weight  
GTP General Test Plan  
GTRI Georgia Tech Research Institute  
GTS Generic Threat Simulator  
GTV Guided Test Vehicle  
GUI Graphical User Interface (referred to as "gooey")  
GUID Globally Unique Identifier (computer term)  
GUILD Government, University, Industry and Laboratory Development  
GUSS Ground Unmanned Support System (USMC *ca* 2012)  
GVN Ground VSAT Network  
GVSC Generic VHSIC Spaceborne Computer Program  
GW General War; GigaWatt  
GWEF Guidance Weapons Evaluation Facility (USAF)

GWEN Ground Wave Emergency Net

GW-H General War - Hostilities phase

GWLR Ground Weapons Locator Radar

GWOT Global War On Terrorism

GW-PH General War - Pre-Hostilities Phase

GWS GroupWare Service; Gun Weapon System