

# *Acronyms and Abbreviations*

*Researched and compiled by Joe Cyr ([www.joe-cyr.com](http://www.joe-cyr.com))*

## **R**

R&D Research & Development

R&M Reliability & Maintainability

R/P Receiver/Processor

R&S Reconnaissance and Surveillance; Routing and Switching

R/S (or RS) Remote Sensing

R/T Radio Telephone (also RT)

R/T BDA Real-Time Battle Damage Assessment (also RT BDA)

R-CDL Radar Common Data Link

R2PI Rapid Response Process Initiative (USAF)

RA Reactive Armor

RAA Request for Anomaly Analysis

RAAP Rapid Application of Air Power

RAB Riverine Assault Boat

RABFAC Radar Beacon Forward Air Controller

RAC Riverine Assault Craft

RACCOS Retia Advanced Command and Control System (Czech Republic)

RACK Ranger Assault Carrying Kit (also known as MOLLE)

RAD Random Agile Deinterleaver; Radiation (absorbed radiation unit)

RADAN Radar Doppler Automatic Navigation

Radar Radio Detection And Ranging

RADAR Reflective Agents with Distributed Adaptive Reasoning (DARPA program *ca* 2007)

RADBN Radio Battalion (USMC)

RADC Regional Air-Defense Commander

RADDS RADar Data Distribution System; Radar Displays and Distribution System

RADE Rapid Access and Disruption Equipment

RADEF Radiological Defense (*circa* 1960)

RADFET Radiation-sensing Field Effect Transistor

RADGUNS RADar Directed GUN Simulation

RADHAZ Radiation Hazard

RADICAL RCIED Detection Identification and Classification Algorithm

RADINT Radar Intelligence

RADS Rapid Air Defense System

RADSCAT RADar SCATtering

RAFAEL (Israeli Armament Development Authority)

RAG Ring Airfoil Grenade

RAID Redeployment Assistance and Inspection Detachment (USCG *ca* 2008)

RAIDDS Rapid Autonomous Integrated DNA Detection System

RAIDER Rapid Attack Information Dissemination Execution Relay

RAIDRS Rapid Attack Identification Detection and Reporting System; Rapid Attack Identification Reporting System; Rapid Identification Detection and Reporting System

RAIDS Rapid Area Integrated Defense System; Rapid Anti-ship missile Integrated Defense System; Radar Airborne Intruder Detection System; Redundant Arrays of Inexpensive Disks; Rapid Antiship cruise missile IDentification System; Rangeless Airborne Instrumented Debriefing System

(UK RAF - Thanks to John Chamberlain for this contribution); Remote Atmospheric and Ionospheric Detection System (NASA - ca 2009)

RAIM Receiver Autonomous Integrity Monitoring

RAIS Redundant Arrays of Inexpensive Systems

RAKEL (Sweden - English interpretation: "Radio Communication for Effective Management")

RAM Random Access Memory

RAM Radar Absorbing Material ; Rolling Airframe Missile ; Reliability, Availability and Maintainability

RAM/RS Reliability, Availability, Maintainability / Rebuilt-to-Standard (*e.g.*, for Assault Amphibious Vehicle)

RAMAC Random Access Method of Accounting and Control

RAMBO Ram Burn Observations (*e.g.*, DoD experiment for studying engine-burn plumes, *ca* 2005)

RAMCAD Reliability, Availability, and Maintainability Computer-Aided Design

RAMCON Russia's Association for the Conversion of SLBMs

RAMICS Rapid Airborne Mine-Clearance System

RAMON Radio Monitoring

RAMOS Russian American Observation Satellite

RAMP Return fire; Anticipate attack, Measure your force, and Protect only lives with deadly force [ See RULES OF ENGAGEMENT (ROE) ]

RAMPART Risk Assessment Method - Property Analysis and Ranking Tool

RAMPS Raven Automated Mission Planning Segment

RAM/RS Reliability, Availability, Maintainability / Rebuilt-to-Standard (*e.g.*, for Assault Amphibious Vehicle)

RAMS Remote Activation Munitions System; Rocket and Missile Systems

RAMSYS Rolling Airframe Missile System

RAMTIP Reliability and Maintainability Technology Insertion Program

RAP Rocket-Assisted Projectile; Reliable Acoustic Path; Recognized Air Picture; Radio Access Point; Required Aircraft Performance; Ram Air Parachute

RAPCAP Radar Picket Combat Air Patrol

RAPID RAPID response program (DARPA)

RAPIDS Resource and Program Information Development System (formerly RMIS)

RAPTOR Reconnaissance Airborne Pod for Tornado (R.A.F.)

RARE Reconfigurable and Adaptive RF Electronics (part of ACE)

RAS Radio-Acoustic Sounding; Readiness Assessment System; Rail Adapter System (*e.g.*, for attaching rifle accessories)

RASCAL Responsive Access, Small Cargo, Affordable Launch; Raster Scanning Airborne LIDAR

RASP Remotely Actuated Sensor Platform

RASPUTIN Rapid Scenario Preparation Unit for Intelligence

RAST Recovery-Assist Secure and Traverse (shipboard helicopter recovery system)

RASTA Rectified Advanced Silicon Technology Array

RAPLOC Rapid Acoustic Passive Localization

RAPTOR Reconnaissance Airborne Pod for Tornado (RAF)

RASCAL Responsive Access Small Cargo Affordable Launch (DARPA program discontinued *ca* 2004)

RASP Remote Access Security Program; Remote Access Secure Program

RAST Recovery Assist, Securing and Traversing (system)

RASTA Rectified Advanced Silicon Technology Array (*e.g.*, used for EMP)

protection)

RASU Russian Electronics and Guidance System Agency (department of the Russian Ministry of Defense Industry)

RAT Rocket Assisted Torpedo; Ram Air Turbine (*e.g.*, used in EW pods for power); Remote Access Trojan (*e.g.*, surreptitious recording of keystrokes)

RAT-GEN Ram Air Turbo-Generator

RATO Rocket-Assisted TakeOff

RATS Redundant Array of Tape Streamers; Random Access Time Slots; Robust Automatic Transcription of Speech (*e.g.*, identification of speech, speakers, language and key words in noisy transmissions - 3 1/2 -year DARPA program begun ca 2011)

RATT RAdio TeleType

RATTLR Real-TimeTargeting at Long Range

RATTLRS Revolutionary Approach to Time-critical Long Range Strike (*e.g.*, supersonic [ Mach 3+ ] weapon system, ca 2006)

RAU Remote Access Unit; Radio Access Unit; Rear Antenna Unit (*e.g.*, part of aircraft EW system)

RAV Review and Validation (also R&V)

RAVM Range Atmosphere Visibility Monitoring

RAZAR Rapid Adaptive Zoom for Assault Rifles (allows the user to toggle between high and low magnification without taking eyes off the target)

RAZON Radio control AZimuth ONLY (*e.g.*, glide bomb)

RB Response Boat (USCG)

RBA Revolution in Business Affairs; Ranger Body Armor

RBAC Role-Based Access Control

RBCID Radio-Based Combat Identification

RBE Remain-Behind Equipment

RBES Rule-Based Expert System

RBM Response Boat - Medium (USCG)

RBOC Rapid Bloom Off-board Chaff

RBR Radiation Belt Remediation

RC Required Capabilities; Remote Control; Regional Conflict; Reserve Component (of USN forces - as compared to Active Component)

RCAG Remote Communications Air/Ground

RCAS Reserve Component Automation System

RCC Resin-Coated Copper, Rescue Coordination Center; Regional Control Center; Reversing Converter Coupling (for ship maneuvering)

R-CDL Radar Common Data Link

RCERT Regional Computer Emergency Response Team

RCF Rubber-Coated Fabric (*e.g.*, material for piston ring, rotary shaft, and other type seals)

RCIED Remote Control Improvised Explosive Device; Remote Controlled Improvised Explosive Device; Radio-Controlled Improvised Explosive Device

RCIO Regional Chief Information Office (U.S. Army)

RCIP Rapid Capability [ technology ] Insertion Process

RCLF Regional Culture and Language Familiarization (USMC Program)

RCM Reliability-Centered Maintenance; Radio Countermeasures (*circa* 1944)

RCOH Refueling and Comprehensive Overhaul (*e.g.*, of a nuclear aircraft carrier)

RCS Radar Cross Section ; Reaction Control System; Revenue Cutter Service (predecessor to the U.S. Coast Guard); Return Channel via Satellite

RCSO Regional Computer Security Officer

RCT Regimental Combat Team (*e.g.*, Iraq)

RCVR Receiver

RCVS Robust Certificate Validation Service (DoD)

RD Radar Detection

RDA Remote Database Access; Recorded Data Access

RDAF Royal Danish Air Force

RDAS Resource Decision Acquisition Support

RDBMS Relational Data Base Management System

RDD Radiological Dispersion Device (*e.g.*, "dirty bomb")

RDF Radio Direction Finding; Remote Delivery Facility (*i.e.*, post-9/11 Pentagon receiving/warehouse facility); Resource Description Framework (*e.g.*, for the Web)

RDIL Radar Detection, Identification and Location

RDIS Radar Data Interface System (a component of the JSS)

RISS Rapid Deployment Integrated Surveillance System (U.S. Army)

RIXS Research-and-Development Information Exchange System

RDMS Rapid Data Management System (USMC)

RDND Relay Doppler Noise Decoy

RDO Rapid Decisive Operation

RDP Rim-Drive Propulsor (*e.g.*, for ships)

RDR Radar; Remote Data Relay

RDRAM Rambus Dynamic Random Access Memory

RDSND Radiosonde (also RSONDE)

RDT&E Research, Development, Test and Evaluation

RE Recurring Engineering; Rate Effect; Re-entry; Research & Engineering; Receive Element; Relay (component)

REA Revolution in Educational Affairs

REACH Registration, Evaluation and Authorization of Chemicals (Europe);  
Real-time Electronic Access for Caregivers and the Homeless [veterans] (ca  
2011 )

REACT Rapid Execution And Combat Targeting

REAPER Remote Extended Aircrew Positions Enabling Reachback (*e.g.*,  
intelligence collection/distribution system)

REAS Realistic EW Arena Simulator (France)

REBM Radio-Electronic Battle Management

REC Radioelectronic Combat (Soviet EW); Reconnaissance; RECOrd;  
Receiver-Exciter-Controller

RECA Residual Capabilities Assessment (USAF program)

RECAP Reconfigurable Aperture Program (DARPA *ca* 2003)

RECCE Reconnaissance

RECCO Reconnaissance

RECO Remote Control (*e.g.*, of mines)

RECORM REmote COntrolled Reconnaissance Monitor

RECSAT Reconnaissance Satellite

RECTENNA Rectifying Antenna

REDCAP REal-time Digitally Controlled Analyzer Processor

REED Radar ECM/ECCM Database

REES Radar Electromagnetic Environment Simulator

REF Reference; Reflector (antenna); Rapid Equipping Force (U.S. Army);  
Rapid Equipment Force

ReformD Reforming Diesel (to refuel soldiers - modifying diesel fuel for  
cooking, etc...)



REFSTA REFerence STAtion

REIK Replacement-Exchange-In-Kind (*e.g.*, program, *ca* 2007, for the AGM-88 High-Speed Anti-Radiation Missile [HARM])

REMBASS Remotely Monitored Battlefield Sensor System

REMIDS Remote Minefield Detection System

REMUS Remote Environmental Monitoring Units (*i.e.*, low-cost UUVs);  
Remote Environmental Measuring Units

REN Ringer Equivalency Number (telephone)

REO Radar Electro-Optical

Repast Recursive Porous Agent Simulation Toolkit (*e.g.*, related to modeling human social behavior and individual decision-making)

REPLI Radar-coupled Emitter/Passive Location and Identification

REPTECH Repair Technology

REPTILE Regulated Electrical Power Technical Integration and Leveraging (*e.g.*, for the DDX program)

RES Radar-Electronic Support; Radar Environment Simulator

RESA Research and Evaluation System Analysis

RESAC Regional Earth Science Application Center (NASA)

RESERVE Responsive Replacement Vehicle

R-ESM Radar Electronic Support Measures (Turkey)

RESM Radar Electronic Support Measures (also Radar ESM); Radar-band Electronic Support Measures (U.K.)

RESS Radar Environmental Signal Simulator

REST Representational State Transfer (*e.g.*, computer program technology)

ReSTOGE *Reparto Supporto Tecnico Operativo all Guerra Elettronica* (Italy *ca* 2011)

RETS Radiated Energy Tracking sub-system (USN ca 2011)

REU Remote Emitter Unit

REVCON REVolutionary CONcept (*e.g.*, NASA project)

REWMD/SES Reprogrammable Electronic Warfare Mission Data Sustaining Mission Support (*e.g.*, USAF program *ca* 2013)

REWS Range Electronic Warfare Simulator

REWSON Reconnaissance, Electronic Warfare, Special Operations and Naval Intelligence Systems

REWTS Responsive Electronic Warfare Training System

RF Radio Frequency

RF Refueling

RF2D Radio Frequency to Digital (*e.g.*, wideband technology)

RFC Request For Comment (Internet protocol)

RFCM Radio Frequency CounterMeasures

RF TAS Radio Frequency Tactical Alerting System

RFDC Real-time radio Frequency Data Communications; Radio Frequency Data Communications

RF/DC Radio Frequency Data Collection

RFED Radio Frequency Expendable Decoy

RFEG Radio Frequency Environment Generator

RF/EMPINT Radio Frequency/ Electromagnetic Pulse Intelligence

RFF Request for Forces

RFGDU Radio Frequency Generation and Distribution Unit

RF/PF Regional Force / Popular Forces (unofficial and frowned-upon term is “Ruff Puff”, Vietnam *ca* 1968)

RFI Radio Frequency Interference; Representative of a Foreign Interest;

Request For Information; Radar-Frequency Interferometer

RF/ID Radio Frequency/Identification

RFID Radio Frequency Identification

RFIJ Red Force Inject Jammer (USAF)

RFIS Radar Frequency Interferometer System

RF/J Radio Frequency Jammer (Turkey)

RFL Restricted Frequency List

RFLAN Radio Frequency Local Area Network

RFLIC Radio-Frequency Lightwave Integrated Circuit

RFP Request For Proposal

RF/PF Regional Forces / Popular Forces (Vietnam era, *circa* 1970 - the popular term "Ruff Puff" was discouraged)

RFPI Rapid Force Projection Initiative

RFR Radio Frequency Radiation

RFS Regional Frequency Supply

RFSIM Radio Frequency Simulation

RFSM Radio Frequency Spectrum Management

RFSNR Radio Frequency Signal-to-Noise Ratio; Required RF Signal-to-Noise Ratio

RFSS Radar Frequency Simulator System

RFQ Request For Quotation

RFT Ready For Training; Request For Tenders (*e.g.*, from Australian Defence Department)

RGB Red-Green-Blue (color display)

RGD Range Gate Deception

RGES Running Gear Entanglement System

RGPI Range-Gate Pull In (*e.g.*, jamming technique)

RGPO Range Gate Pull Off (*e.g.*, jamming technique)

RGR Rapid Ground Refueling

RGS Range Gate Stealing (jamming)

RGWO Range Gate Walk Off

RHA Rolled Homogeneous Armor (WWII-era's most-advanced armor)

RHAW Radar Homing and Warning ; Radar Homing All the Way

RHAWS Radar Homing And Warning System

RHC Ruggedized Hand-held Computer

RHCP Right-Hand Circular Polarization

RHDD Radiation Hardened Disk Drive

RHIB Rigid-Hull Inflatable Boat

RIA Runway Independent Aircraft

RIB Rigid-hull Inflatable Boat; Radio Interference Buoy; Rigid Inflatable Boat

RICO Racketeer-Influenced and Corrupt Organizations (Act)

RIDSN Radar Imaging and Deep Space Network

RIF Rapid Innovation Fund (DoD)

RII Request for Intelligence Information

RIIXS Remote Interrogation Information Exchange Subsystem

RIJAN Regional Information and Joint Awareness Network (NY Port Authority crisis system)

RIM ROTHR Interface Module; Rocket Intercept Missile; Remote Interface Module

RIMPAC Rim of the Pacific

RIMS Replacement Influence MineSweeping (U.K.); Resource Interruption Monitoring System; Ranging and Integrity Monitoring Station (*e.g.*, for EGNOS)

RINT Unintentional Radiation Intelligence

RIO Radar Intercept Officer

RIOT Remote Independently Operable Transceiver

RIPE Robust Integrated Power Electronics

RIPRNET Radio over Internet Protocol Routed Network

RIPS Record and Image Processing System

RIPSO Revised Interconnection Protocol Security Option

RISC Reduced Instruction Set Chip; Reduced Instruction Set Computer

RISS Real-time Infrared Scene Simulator; Real-time Infrared/electro-optic Scene Simulator; Regional (anti-terrorist) Information Sharing Systems

RISTA Reconnaissance, Intelligence, Surveillance, and Target Acquisition

RIT Rapid Improvement Team (*e.g.*, system acquisition)

RITN Real-Time Information Transfer and Networking

RIVR Remote Interactive Voice Response

RJ Rivet Joint (surveillance a/c)

RJU Remote Jamming Unit (USAF)

RKF Rapid Knowledge Formation

RL Radioluminescent; Radioluminescent Light

RLAN Radio Local Area Network

RLG Ring-Laser Gyroscope

RLGN Ring-Laser Gyro Navigation

RLOS Radar Line of Sight

RLV Reusable Launch Vehicle

R&M Reliability & Maintainability

RMA Revolution in Military Affairs (PRC term, also employed by U.S. Military)

RMAC Regional Maritime Awareness Capability

RMC Radioman Chief Petty Officer; Regional Maintenance Center (Navy)

RMCS Range Monitoring and Control Subsystem

RME Relay Mirror Experiment

RMIP RF MEMS Improvement Program (DARPA)

RMIS See RAPIDS

RML Radar Microwave Link

RMMV Remote Multi-Mission Vehicle (*ca* 1007; formerly RMV); *Rheinmetall* MAN Military Vehicle (Germany)

RMOP Remote Minehunting Operational Prototype

RMP Radar Modernization Program; Reprogrammable Microprocessor

rms root mean square

RMS Records Management System; Remote Minehunting System; Remote Minehunting Sonar; Rapid Multilingual Support

RMSI Regional Maritime Security Initiative

RMV Remote Minehunting Vehicle

RMWS Remote Miniature Weather Station; Ramp-Mounted Weapon System (0.50-caliber machine gun for helicopters)

RNAC Reinforced North Atlantic Council

RNEP Robust Nuclear Earth Penetrator

RNO Regional Nuclear Options (*e.g.*, SIOP - See also LAO, MAO, SAO)

RNoAF Royal Norwegian Air Force

RNP Required Navigation Performance (*e.g.*, defining flight paths using satellites)

RNSSIXS Royal Navy Submarine Support Information Exchange Subsystem

RNT Rapid Network (design) Tool

ROAR Radar Obsolescence, Availability Recovery (*ca* 2008; *e.g.*, intended to keep certain equipment in service until 2025)

ROAST Rapid On-Orbit Anomaly Surveillance and Tracking (DARPA program *ca* 2003 to provide a space-based capability to detect and track on-orbit objects)

ROBAT Robot Obstacle-breaching Assault Tank

ROBE Roll-On-Beyond-line-of-sight Enhancement (communications system)

ROC Required Operational Capability ; Ruggedized Optical Connector; Radio Order Circuit

ROCAT Rocket Catapult

ROCM Recoverable Off-Board Countermeasures

ROE Rules of Engagement

ROEM *Renseignement d'Origine ElectroMagnétique* (French electromagnetic reconnaissance program *ca* 2007)

ROF Required Operational Function

RoHS Restriction of certain Hazardous Substances. (European Union)

ROIC Read-Out Integrated Circuit

ROIP Radio-Over-Internet Protocol

ROK Republic of Korea (South Korea)

ROLF (Swedish acronym for "Mobile, Joint Command and Control Function")

ROM Read-only Memory

RONs Remote Ordnance Neutralization System

ROP Robotic Obscuration Platform; Radar-Directed Projectile

ROPE Remotely Operated Platform - Electronic

ROR Range-Only Radar

RORI Reel-Out, Reel-In (*e.g.*, aircraft decoy deployment method)

RO/RO Roll-On/Roll-Off

RORSAT Radar Ocean Reconnaissance Satellite

ROS Reduced Operating Status; Relocatable Optical System

ROSE Remote Optical Sensing of the Environment

ROTHR Relocatable Over-the-Horizon Radar (View the ROTHR logo)

ROTV Remotely Operated Towed Vehicle

ROV Remotely Operated Vehicle

ROVER Remote Out-of-Vehicle Emergency Radio (*e.g.*, for police); Remote Operations Video Enhanced Receiving (*e.g.*, combat air space management system); Remote Operations Video Enhanced Receiver; Remote Optical Video Enhanced Computer

ROVIR Remote Observation Vehicle Infrared (UAV)

ROVIS Royal Ordnance Vehicle Intercommunication System (U.K.)

ROW Right of Way (*e.g.*, telephone lines, TV cable, *etc.*); Rest Of World (*e.g.*, as in "Rest of World threats")

ROW ECM "Rest Of the World" Electronic CounterMeasures

ROWS Remotely Operated Weapon System

R/P Receiver/Processor

RPA Radio Propagation Analysis; Remotely Piloted Aircraft

RPC Remote Procedure Call (Internet)



RPD Recognition-Primed Decision

RPDA Rugged Personal Digital Assistant (*e.g.*, tactical dismounted computer/tactical terminal)

RPG Receiver Processor Group; Riverine Patrol Group; Rocket-Propelled Grenade; Radar Precision Guided (weapon)

RPM Real-time Page Management (Internet term); Revolutions Per Minute; Real-Property Maintenance

RPRE Rapid Parking Ramp Extension

RPS Relative Positioning System; Robust Passive Sonar

RPV Remotely Piloted Vehicle

RR Railroad; Retroreflection; Radar Receiver

RRA Risk-Reduction Activity

RRC Radar Resolution Cell

RRDI Range-Resolved Doppler [ LADAR ] Imaging (system)

RRDS Rapid Rigging/Derigging Airdrop System

RRE Risk-Reduction Effort (*e.g.*, system development phase)

RREP Radio Reconnaissance Enhancement Program; Radio Reconnaissance Equipment Program

RRF Ready Reserve Force (naval)

RRG Reversing Reduction Gear (for ship maneuvering)

RRIS Reduced Resolution Image Set

RRM Radio Resource Management

RRT Radar Receiver Transmitter; Radio Reconnaissance Team; [ cyber ] Rapid Reaction Team (NATO)

R&S Reconnaissance & Surveillance; Routing and Switching

RS Remote Sensing (also R/S) ; Receive Segment; Remote Sentry (*e.g.*, sensor

system); Rebuilt-to-Standard (*e.g.*, as in RAM/RS)

RSAM Reconfigurable Surface-to-Air Missile; Remote Subscriber Access Module

RSC Readiness Support Center

RSCAAL Remote Sensing Chemical Agent Alarm

RSF Remote Sensing Facility; Russian Space Force

RSFQ Rapid Single Flux Quantum (superconductor)

RSI Radiation Status Indicator

RSIP Radar System Improvement Program

RSJPO Robotic Systems Joint Project Office

RSM Rotational Signal Modulation; Rectangular Spectrum Modulation; Route Switch Module; Reconfigurable (microwave) Switching Matrix

RSMD Radar Sensor for Maintaining the Distance

RSN Responsive Spot Noise (jamming)

RSO Radar Set-On

RSOI Reception, Staging, Onward-movement, Integration

RSONDE Radiosonde (also RDSND)

RSP Received Signal Power

RSR Rapid Solidification Rate (*e.g.*, in processing of metals which would otherwise separate because they are non-equilibrium mixtures. RSR can result in multi-metal systems of superior characteristics for use in aircraft such as the engines of the F-15, F-22, ...)

RSS Rapid Spectral Search; Reduced Space Symbology (relating to bar codes); Radar Signal Simulator; Reconnaissance and Surveillance System; a computer-related abbreviation with multiple meanings: Rich Site Summary; Really Simple Syndication; **RDF** [Resource Description Framework] Site Summary.

RSSI Received Signal Strength Indication

RST Robotic Systems Technology

RSTA Reconnaissance, Surveillance, and Target Acquisition

RSTER Radar Surveillance Technology Experimental Radar (1999)

RST-V Reconnaissance, Surveillance and Targeting Vehicle (employs a hybrid-electric drive)

RSV Reconnaissance and Surveillance Vehicle (Army)

RSVC Reconnaissance Satellite Vulnerability Computer

RSVP Resource-reSerVation Protocol (network protocol); Reduced Ships-crew by Virtual Presence

R/T Radio Telephone (also RT)

R/T BDA Real-Time Battle Damage Assessment (also RT BDA)

RT Remote Terminal; Radio Telephone (R/T); Real Time; Radio Transmitter

RT BDA Real-Time Battle Damage Assessment (also R/T BDA)

RTA Robotics, Tele-Robotics and Autonomous (NASA)

RTAF Royal Thai Air Force

RTAIS Real-Time Artificial Intelligence System

RTC Real-Time Clock

RTCM Radio Technical Commission for Maritime Services

RTD Real-Time Disk

RTDS Real Time Digital Simulator

RTEP Real Time Encoding Processing (*e.g.*, program)

RTF Radar Test Facility

RTG Radar Target Generator

RTI Range Time Intensity; Real Time Inspection (system)

RTIC Real-Time Intelligence to the Cockpit; Real-Time Information in the

Cockpit

RTIP Radar Technology Insertion Program; Real-Time Interactive Processor

RTK Real Time Kinematic (data signals "on the fly")

RTL Register Transfer Level (computer code)

RTLOS Remote Track Launch On Search

RTLS Real-Time Location System

RTM Radar Terrain Mapping; Requirements Traceability Matrix

RTMF Real Time Monitoring Frequency

RTNR Real-Time Network Routing

RTO Radio Telephone Operator

RTOC Real-Time information Out of the Cockpit

RTOF Retrievable Tethered Optical Fiber (*e.g.*, communications buoy)

RTOS Real-Time Operating System

RTP Real-time Transport Protocol

RTR Remote Transmitter/Receiver; Real-Time Retargeting; Real-Time Raster (ELINT pulse analysis)

RTS Request to Send (communications protocol signal); Range Threat System; Radar Target Simulator; Rapid Targeting System

RTSC Read The Source Code

RTSDL Real Time Surveillance Data Link

RTSMP Real-Time Symmetric Multiprocessing

RTSW Real Time Solar Wind

RTT Radio TeleType; Reconfigurable Tactical Trainer

RTTS Royal (Air Force) Tactical Trunk System

RTU Real-Time UNIX; Radio Telephone Unit

RTV Rapid Terrain Visualization

RTW Road To War

RUMIC Remote Undersea Mine Countermeasure (system)

RUS Robotics and Unmanned Sensors

RUWS Remote Unmanned Work System

RV Re-entry Vehicle

R&V Review and Validation

RVL Rolling Vertical Landing (VSTOL)

RVTO Rolling Vertical Take Off (VSTOL)

RW Radioactive Waste

RWATS Rotary-Wing Aircraft Test Squadron

RWBN Regional Wireless Broadcast Network (*e.g.*, public safety network)

RWE Radar Warning Equipment (U.K.)

RWR Radar Warning Receiver

RWS Remote Weapon System

RWST Rotary Wing Structures Technology

RWV Rotary Wing Vehicle

RWY Runway