

# GLOSSARY

## SYSTEMS ENGINEERING FUNDAMENTALS

- AAAV** Advanced Amphibious Assault Vehicle
- ACAT** Acquisition Category
- ACR** Alternative Concept Review
- AMSDL** Acquisition Management Systems Data List
- ASR** Alternative Systems Review
- AUPP** Average Unit Procurement Price
- AWP** Awaiting Parts
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- BL** Baseline
- BLRIP** Beyond Low Rate Initial Production
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- C4ISR** Command, ontrol, Communications, Computers, Intelligence, and Reconnaissance
- CAD** Computer-Aided Design
- CAE** Computer-Aided Engineering
- CAIV** Cost As an Independent Variable
- CALS** Continuous Acquisition and Life Cycle Support
- CAM** Computer-Aided Manufacturing
- CASE** Computer-Aided Systems Engineering
- CATIA** Computer-Aided Three-Dimensional Interactive Application
- CCB** Configuration Control Board
- CCR** Contract Change Request
- CDR** Critical Design Review
- CDRL** Contract Data Requirement List
- CDS** Concept Design Sheet
- CE** Concept Exploration

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<b>CEO</b>	Chief Executive Officer
<b>CI</b>	Configuration Item
<b>Circular A-109</b>	Major Systems Acquisitions
<b>CM</b>	Configuration Management
<b>CM</b>	Control Manager
<b>COTS</b>	Commercial Off-The-Shelf
<b>CSCI</b>	Computer Software Configuration Item
<b>CWI</b>	Continuous Wave Illumination
<b>DAU</b>	Defense Acquisition University
<b>DCMC</b>	Defense Contract Management Command
<b>DDR</b>	Detail Design Review
<b>DFARS</b>	Defense Supplement to the Federal Acquisition Regulation
<b>DID</b>	Data Item Description
<b>DoD</b>	Department of Defense
<b>DoD 5000.2-R</b>	Mandatory Procedures for Major Defense Acquisition Programs (MDAPs), and Major Automated Information System Acquisition Programs (MAIS)
<b>DoDISS</b>	DoD Index of Specifications and Standards
<b>DSMC</b>	Defense Systems Management College
<b>DT</b>	Developmental Testing
<b>DTC</b>	Design To Cost
<b>DT&amp;E</b>	Developmental Test and Evaluation
<b>EC</b>	Engineering Change
<b>ECP</b>	Engineering Change Proposal
<b>EDI</b>	Electronic Data Interchange
<b>EIA</b>	Electronic Industries Alliance
<b>EIA IS 632</b>	Electronic Industries Association Interim Standard 632, on Systems Engineering
<b>EIA IS-649</b>	Electronic Industries Association Interim Standard 649, on Configuration Management
<b>EOA</b>	Early Operational Assessments

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<b>FAR</b>	Federal Acquisition Regulation
<b>FCA</b>	Functional Configuration Audit
<b>FEO</b>	Field Engineering Order
<b>FFBD</b>	Functional Flow Block Diagram
<b>FIPS</b>	Federal Information Processing Standard
<b>FMECA</b>	Failure Modes, Effects, and Criticality Analysis
<b>FOT&amp;E</b>	Follow-On Operational Test and Evaluation
<b>FQR</b>	Formal Qualification Review
<b>GFE</b>	Government Furnished Equipment
<b>GFM</b>	Government Furnished Material
<b>ICD</b>	Interface Control Documentation
<b>ICWG</b>	Interface Control Working Group
<b>IDE</b>	Integrated Digital Environment
<b>IDEF</b>	Integration Definition Function
<b>IDEF0</b>	Integrated Definition for Function Modeling
<b>IDEF1x</b>	Integration Definition for Information Modeling
<b>IEEE</b>	Institute of Electrical and Electronics Engineers
<b>IEEE/EIA 12207</b>	IEEE/EIA Standard 12207, Software Life Cycle Processes
<b>IEEE P1220</b>	IEEE Draft Standard 1220, Application and Management of the Systems Engineering Process
<b>IFB</b>	Invitation for Bid
<b>IIPT</b>	Integrating Integrated Product Teams
<b>IMS</b>	Integrated Master Schedule
<b>IOC</b>	Initial Operational Capability
<b>IOT&amp;E</b>	Initial Operational Test and Evaluation
<b>IPPD</b>	Integrated Product and Process Development
<b>IPR</b>	In-Progress/Process Review
<b>IPT</b>	Integrated Product Teams

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<b>JASSM</b>	Joint Air-to-Surface Standoff Missile
<b>JROC</b>	Joint Requirements Oversight Council
<b>JTA</b>	Joint Technical Architecture
<b>KPPs</b>	Key Performance Parameters
<b>LFT&amp;E</b>	Live Fire Test and Evaluation
<b>LRU</b>	Line-Replaceable Unit
<b>LRIP</b>	Low Rate Initial Production
<b>M&amp;S</b>	Modeling and Stimulation
<b>MAIS</b>	Major Automated Information System
<b>MAISRC</b>	Major Automated Information Systems Review Council
<b>MBTF</b>	Mean Time Between Failure
<b>MDA</b>	Milestone Decision Authority
<b>MDAP</b>	Major Defense Acquisition Program
<b>MIL-HDBK-61</b>	Military Handbook 61, on Configuration Management
<b>MIL-HDBK-881</b>	Military Handbook 881, on Work Breakdown Structure
<b>MIL-STD 499A</b>	Military Standard 499A, on Engineering Management
<b>MIL-STD-961D</b>	Military Standard 961D, on Standard Practice for Defense Specifications
<b>MIL-STD 962</b>	Military Standard 962, on Format and Content of Defense Standards
<b>MIL-STD-973</b>	Military Standard 973, on Configuration Management
<b>MNS</b>	Mission Need Statement
<b>MOE</b>	Measure of Effectiveness
<b>MOP</b>	Measure of Performance
<b>MOS</b>	Measure of Suitability
<b>MRP II</b>	Manufacturing Resource Planning II
<b>MS</b>	Milestone
<b>MTTR</b>	Mean Time To Repair
<b>NDI</b>	Non-Developmental Item
<b>NIST</b>	National Institute of Standards and Technology

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<b>NRTS</b>	Not Repairable This Station
<b>OA</b>	Operational Assessment
<b>OIPT</b>	Overarching Integrated Product Teams
<b>OMB</b>	Office of Management and Budget
<b>OPS</b>	Operations
<b>ORD</b>	Operational Requirements Document
<b>OSD</b>	Office of the Secretary of Defense
<b>OT&amp;E</b>	Operational Test and Evaluation
<b>P3I</b>	Preplanned Product Improvement
<b>PAR</b>	Production Approval Reviews
<b>PCA</b>	Physical Configuration Audit
<b>PDR</b>	Preliminary Design Review
<b>PDRR</b>	Program Definition and Risk Reduction
<b>PEO</b>	Program Executive Office
<b>PM</b>	Program Manager
<b>PME</b>	Program/Project Manager – Electronics
<b>PMO</b>	Program Management Office
<b>PMT</b>	Program Management Team
<b>PPBS</b>	Planning, Programming and Budgeting System
<b>PRR</b>	Production Readiness Review
<b>QA</b>	Quality Assurance
<b>QFD</b>	Quality Function Deployment
<b>R&amp;D</b>	Research and Development
<b>RAS</b>	Requirements Allocation Sheets
<b>RCS</b>	Radar Cross Section
<b>RDT&amp;E</b>	Research, Development, Test and Evaluation
<b>RFP</b>	Request for Proposal

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<b>S&amp;T</b>	Science and Technology
<b>SBA</b>	Simulation Based Acquisition
<b>SBD</b>	Schematic Block Diagram
<b>SD&amp;E</b>	System Development and Demonstration
<b>SDefR</b>	System Definition Review (as referred to in IEEE P1220)
<b>SDR</b>	System Design Review
<b>SE</b>	Systems Engineering
<b>Section L</b>	Instructions to Offerors (Portion of Uniform Contract Format)
<b>Section M</b>	Evaluation Criteria (Portion of Uniform Contract Format)
<b>SEDS</b>	Systems Engineering Detail Schedule
<b>SEMS</b>	Systems Engineering Master Schedule
<b>SEP</b>	Systems Engineering Process
<b>SFR</b>	System Functional Review
<b>SI</b>	Software Item
<b>SI&amp;T</b>	System Integration and Test
<b>SOO</b>	Statement of Objectives
<b>SOW</b>	Statement of Work
<b>SPEC</b>	Specification
<b>SSA</b>	Source Selection Authority
<b>SSAC</b>	Source Selection Advisory Council
<b>SSEB</b>	Source Selection Evaluation Board
<b>SSP</b>	Source Selection Plan
<b>SSR</b>	Software Specification Review
<b>SRR</b>	System Requirements Review
<b>SRU</b>	Shop-Replaceable Unit
<b>STD</b>	Standard
<b>SVR</b>	System Verification Review
<b>S/W</b>	Software

- T&E** Test and Evaluation
- TDP** Technical Data Package
- TEMP** Test and Evaluation Master Plan
- TLS** Timeline Analysis Sheet
- TOC** Team Operating Contract
- TPM** Technical Performance Measurement
- TPWG** Test Planning Work Group
- TRR** Test Readiness Review
  
- VV&A** Verification, Validation, and Accreditation
  
- WIPT** Working-Level Integrated Product Team