

# Project Performance International

## LIST OF PROJECT PROCESS-RELATED ACRONYMS

AADL	Architecture Analysis Design Language	CI	Configuration Item
AADL	Avionics Architecture Design Language (the original acronym)	CID	Commercial Item Description
ABL	Allocated Baseline	CIDS	Critical Item Development Specification
ACSIG	Australian Cost/Schedule Control Systems Criteria Implementation Guide	CIV	Compromise Impact Value
ACSN	Advance Change Study Notice	CLINS	Contract Line Items
AD	Acceptance Date	CM	Configuration Management
AD	Architectural Design	CMM	Capability Maturity Model
ADD	Architectural Design Description	CMMI	Capability Maturity Model Integration
ADR	Architectural Design Review	CMP	Configuration Management Plan
AF	Architectural Framework	COCOMO	Constructive Cost Model
AHP	Analytic Hierarchy Process	COM	Computer Operation Manual
AI	Artificial Intelligence	CONEMP	Concept of Employment
All	Australian Industry Involvement	CONOPS	Concept of Operations
ANP	Analytic Network Process	CONUSE	Concept of Use
ANSI	American National Standards Institute	COTS	Commercial-off-the-Shelf
AOF	Acquisition Operating Framework	CPD	Cumulative Probability Distribution
ASR	Alternative Systems Review	CPI	Cost Performance Index
ATE	Automatic Test Equipment	CPM	Computer Programming Manual
ATP	Acceptance Test Plan	CPR	Cost Performance Report
AVC	Absolute Value Contribution	CPU	Central Processing Unit
BAC	Budget At Completion	CRISD	Computer Resources Integrated Support Document
BD	Behaviour Diagram	CSA	Configuration Status Accounting
BI	Build Instructions	CSC	Computer Software Component
BIT	Built in Test	CSCI	Computer Software Configuration Item
BITE	Built in Test Equipment	CSDM	Computer System Diagnostic Manual
BL	Baseline	CSOM	Computer System Operator's Manual
BP4LWS	Business Process Execution Language for Web Services	CSSR	Cost/Schedule Status Report
BPM	Business Process Modeling	CSU	Computer Software Unit
BPMN	Business Process Model and Notation	CUT	Code and Unit Test
BPR	Business Process Reengineering	CWBS	Contract Work Breakdown Structure
BS-BSCA	Build State-Build Standard Correspondence Audit	D&V	Demonstration and Validation
C/S	Cost/Schedule	DAL	Development Assurance Level
C/SCS	Cost/Schedule Control System(s)	DB	Database
C/SCSC	Cost/Schedule Control Systems Criteria	DBDD	Database Design Document, Database Design Description
CAD	Computer Aided Design	DBMS	Database Management System
CAE	Computer Aided Engineering	DD	Detailed Design
CALS	Continuous Acquisition and Life Cycle Support	DDB	Design Data Base
CAM	Computer Aided Manufacturing	DDD	Detailed Design Description
CAM	Cost Account Manager	DDR	Detailed Design Review
CAP	Cost Account Plan	DDS	Design Documentation System
CAPO	Contract Acceptance and Purchase Order	DE	Digital Engineering
CASA	Cost Analysis and Strategy Assessment	DED	Data Element Definition
CASE	Computer Aided Software Engineering, Computer Aided Systems Engineering	DED	Design Engineering Difficulty
CATWOE	Clients, Actors, Weltanschauung, Owners, and Environment	DFA	Design for Assembly
CCB	Change Control Board	DFD	Data Flow Diagram
CCS	Configuration Control System	DFM	Design for Manufacture
CCSOM	Computer Center Software Operator Manual	DFMEA	Design Failure Modes and Effects Analysis
CDF	Cumulative Distribution Function	DFR	Design for Reliability
CDR	Critical Design Review	DFSS	Design For Six-Sigma
CDRL	Contract Data Requirements List	DID	Data Item Description
CDS	Concept Description Sheet	DM	Data Management
CE	Concept Exploration	DMADV	Define, Measure, Analyze, Design, Verify
CE	Concurrent Engineering	DMAIC	Define, Measure, Analyze, Improve, Control
C <sub>f</sub>	Consequence of Failure	DMEDI	Define, Measure, Explore, Develop and Implement
CF	Control Flow	DPMO	Defects Per Million Opportunities
CFD	Control Flow Diagram	DODAF	Department of Defense Architecture Framework
CFE	Customer Furnished Equipment	DOD	Department of Defence (Defense)
CFI	Customer Furnished Information	DODISS	Department of Defense Index of Specifications and Standards
CFM	Customer Furnished Material	DOE	Design of Experiments
CFP	Customer Furnished Property	DPMO	Defects Per Million Opportunities
CFS	Customer Furnished Services	DS	Design Sheet
CFS	Customer Furnished Software	DSMC	Defense Systems Management College
		DSSE	Development Software Support Environment
		DSTO	Defence Science and Technology Organisation
		DT	Digital Thread

DT&E	Developmental Test and Evaluation	GOTS	Government Off-the-Shelf
DT/OT	Developmental Test/Operational Test	GRP	Generalized Renewal Process
DTC	Design to Cost	GSE	Government Supplied Equipment
DTLS	Descriptive Top Level Specification	GUI	Graphic User Interface
EAS	Equipment Acquisition Strategy	H	High
ECM	Engineering, Construction and Maintenance	HALT	Highly Accelerated Life Testing
ECN	Engineering Change Notice	HASS	Highly Accelerated Stress Screening
ECP	Engineering Change Proposal	HAZOP	Hazard and Operability
ECR	Engineering Change Request	HBK	Handbook
ED	Effective Date	HDP	Hardware Development Plan
EE&D	Effectiveness, Evaluation & Decision	HMI	Human Machine Interface
EFFBD	Extended Functional Flow Block Diagram	HOL	High Order Language
EIA	Electronic Industries Alliance	HRR	Hardware Requirements Review
EIMS	End Item Maintenance Sheet	HRS	Hardware Requirement Specification
EIS	Environmental Impact Study (Statement)	HWCI	Hardware Configuration Item
EMC	Electromagnetic Compatibility	HWITLS	Hardware-In-the-Loop Simulation
EMD	Engineering and Manufacturing Development	I&A	Integration & Assembly
EMI	Electromagnetic Interference	I/O	Input/Output
EMP	Electro-Magnetic Pulse	I/S	Infrastructure
EMV	Expected Monetary Value	i.a.w.	in accordance with
ENFJ	Extraversion, Intuition, Feeling, Judgement	IBM	International Business Machines
ENFP	Extraversion, Intuition, Feeling, Perception	ICD	Interface Control Description
ENTJ	Extraversion, Intuition, Thinking, Judgement	ICD	Interface Control Document
ENTP	Extraversion, Intuition, Thinking, Perception	ICD	Interface Control Drawing
EPA	Economic Price Adjustment	ICWG	Interface Control Working Group
EPI	Equipment Production Status	IDAL	Item Development Assurance Level
ERA	Entity Relationship Attribute	IDD	Interface Design Document, Interface Design Description
ERD	Entity Relationship Diagram	IDEF	Integrated Definition for Function
ES	External System	IEC	International Electrotechnical Commission
ESD	Electrostatic Discharge	IEEE	Institution of Electrical and Electronic Engineers (USA)
ESFJ	Extraversion, Sensing, Feeling, Judgement	IGES	Initial Graphics Exchange Specifications
ESFP	Extraversion, Sensing, Feeling, Perception	IIS	Introduction Into Service
ESI	Engineering Specialty Integration	ILS	Integrated Logistic Support
ESP	Engineering Specialty Plan	ILSP	Integrated Logistic Support Plan
ESTJ	Extraversion, Sensing, Thinking, Judgement	IMP	Integrated Management Plan (Program Management Master Plan)
ESTP	Extraversion, Sensing, Thinking, Perception	IMP	Integrated Master Plan ((Event Driven Program Schedule)
ETA	Event Tree Analysis	IMS	Integrated Master Schedule (Calendar Driven Program Schedule)
EV	Expected Value	INCOSE	International Council on Systems Engineering
EVM	Earned Value Management	IND RA	Independent Requirements Analysis
EVM	Earned Value Methodology	INFJ	Introversion, Intuition, Feeling, Judging
F&PO	Function & Performance Oriented	INFP	Introversion, Intuition, Feeling, Perception
F&PORS	Function & Performance Oriented Requirements Specification	INTJ	Introversion, Intuition, Thinking, Judgement
FAIT	Fabrication, Assembly, Integration and Test	INTP	Introversion, Intuition, Thinking, Perception
FAR	Federal Acquisition Regulations	IOC	Initial Operational Capability
FAT	Factory Acceptance Test	IP	Intellectual Property
FAT	First Article Test	IPD	Integrated Product Development
FBD	Functional Block Diagram	IPDS	Integrated Product Delivery and Support
FBL	Functional Baseline	IPM	Integrated Performance Measurement
FCA	Functional Configuration Audit	IPMT	Integrated Product Management Team
FDAL	Functional Development Assurance Level	IPPD	Integrated Product and Process Development
FDIA	Fault Detection, Isolation, and Accommodation	IPR	Intellectual Property Rights
FFBD	Functional Flow Block Diagram	IPT	Integrated Planning Team
FFD	Functional Flow Diagram	IPT	Integrated Process Team
FHA	Functional Hazard Assessment	IPT	Integrated Product Team
FIS	Facility Interface Sheet	IPT	Integrated Program Team
FMA	Failure Modes Analysis	IPT	Integrated Project Team
FMEA	Failure Modes and Effects Analysis	IRS	Interface Requirements Specification
FMECA	Failure Modes, Effects and Criticality Analysis	ISFJ	Introversion, Sensing, Feeling, Judgement
FOT&E	Follow-on Operational Test and Evaluation	ISFP	Introversion, Sensing, Feeling, Perception
FPS	Function and Performance Specification	ISO	International Standardisation Organisation
FQR	Formal Qualification Review	ISP	Integrated Support Plan
FSAR	Final Software Acceptance Review	ISTJ	Introversion, Sensing, Thinking, Judgement
FSD	Full Scale Development	ISTP	Introversion, Sensing, Thinking, Perception
FSM	Firmware Support Manual	IT	Information Technology
FTA	Fault Tree Analysis	IT	Iteration
FTLS	Formal Top Level Specification	ITP	Integrated Technology Processes
GEMM	Generalised Electronic Maintenance Model	ITR	Invitation to Register Interest
GM	Gross Margin (Income - Direct Cost)	IV&V	Independent Verification and Validation
GOSIP	Australian Government OSI Profile		

IV&V	Independent Validation and Verification	OEM	Original Equipment Manufacturer
KFA	Key Focus Area	OJT	On the Job Training
KIS	Keep it Simple	OMT	Object Modelling Technique
KPA	Key Process Area	OOA	Object Oriented Analysis
KSAs	Knowledge, Skills and Attitudes	OOD	Object Oriented Design
KSLOCS	Thousands Source Lines of Code	OOSE	Object Oriented Software Engineering
KSF	Knowledge and Skills Framework	OPD	Object-Process Diagrams
L	Low	OPL	Object-Process Language
LAN	Local Area Network	OPM	Object Process Methodology
LCC	Life Cycle Cost(ing)	ORD	Operational Requirements Document
LCSSE	Life Cycle Software Support Environment	ORP	Ordinary Renewal Process
LD	Liquidated Damages	OS	Operating System
LDL	Ledger Design Language	OS	Operational Suitability
LHS	Latin Hypercube Sampling	OSD	Operational Solution Description
LLM	Large Language Model	OSI	Open Systems Interconnection
LLO	Low Level Object	OT&E	Operational Test and Evaluation
LML	Lifecycle Modeling Language	P&D	Production and Deployment
LOCAM	Logistics Cost Analysis Model	P3I	Pre-planned Product Improvement
LORA	Level of Repair Analysis	P4I	Pre-planned Product and Process Improvement
LP	Loop	PA	Primary Actor
LRIP	Limited Rate Initial Production	PAT&E	Production Acceptance Test and Evaluation
LRU	Line Replaceable Unit	PB	Project Brief
LSA	Logistic Support Analysis	PBL	Product Baseline
LSAR	Logistic Support Analysis Record	PBS	Project Breakdown Structure
LSASP	Logistic Support Analysis Strategy Plan	PBS	Product Breakdown Structure
LSC	Logistic Support Cost	PC	Pass Criterion
M	Medium	PCA	Physical Configuration Audit
MAT	Material Resource Status	PCRB	Parts Control Review Board
MAUT	Multiple Attribute Utility Theory (Technique)	P <sub>o</sub>	Performance Difficulty
MAX <sub>TR</sub>	Maximum Time To Repair	PD	Preliminary Design
MBA	Model-Based Architecting	PDF	Probability Density Function
MBD	Model-Based Design	PDL	Program Design Language
MBSE	Model-Based Systems Engineering	PDM	Precedence Diagramming Method
M <sub>CT</sub>	Mean Corrective Maintenance Time	PDR	Preliminary Design Review
MD	Material Defect	PDR	Preliminary Drawings Released
MDSE	Model-Driven Systems Engineering	P <sub>o</sub> S	Performance Difficulty Associated with Schedule
MEL	Master Equipment List	PDS	Project Definition Study
MIL-STD	Military Standard	PDSS	Post Deployment Software Support
MIS	Management Information System	PDT	Product Development Team
MMH/MA	Mean Maintenance Hours per Maintenance Action	PEO	Program Executive Officer (Defense Department Term)
MMH/OH	Mean Maintenance Hours per Operating Hour	PER	Personnel Resource Status
MMI	Man-Machine Interface	PERT	Program Evaluation and Review Technique
MNS	Mission Needs Statement (Defense Department Term)	P <sub>f</sub>	Probability of Failure
MOE	Measure of Effectiveness	PFMEA	Process Failure Mode, and Effects Analysis
MOP	Measure of Performance	PHST	Packing, Handling, Storage and Transportation
MPD	Manufacturing Process Difficulty	PI	Product Improvement
MRD	Marketing Requirements Document	PIDS	Prime Item Development Specification
MRS	Material Requirements Specification	PITLS	People-In-the-Loop Simulation
MS	Material Specification	PLE	Product Line Engineering
MTBF	Mean Time Between Failures	P <sub>m</sub>	Performance Difficulty Due to Manufacturing
MTBM	Mean Time Between Maintenance	PMAP	Project Management and Acquisition
MTP	Master Test Plan	PMBOK®	Project Management Body of Knowledge
MTTF	Mean Time To Failure	PMD	Project Management Directive
NAF	NATO Architecture Framework	PMP	Prime Mission Product
MTTR	Mean-Time-To-Repair	PMP	Project Management Plan
NASA	National Aeronautics and Space Administration	PPBS	Program, Planning and Budgeting System (Defense Department Term)
NCI	Not a Configuration Item	PRAT	Project Risk Analysis Technique
NDI	Non-Developmental Item	PRINCE2	PRojects IN Controlled Environments
NDS	Non-Development Software	PRR	Production Readiness Review
NF	Intuitive Feelers	PS	Process Specification
NF	Non-functional	PS	Production Sheet
NHPP	Non-Homogenous Poisson Process	PSR	Preliminary Software Review
NIH	Not Invented Here	PSSA	Preliminary System Safety Assessment
NPV	Net Present Value	P <sub>t</sub>	Performance Difficulty Due to Technology
NT	Intuitive Thinkers	PUID	Project Unique Identifier
O&M	Operation and Maintenance	QA	Quality Assurance
O&SCD	Operational and Support Concept Description	QFD	Quality Function Deployment
OCD	Operational Concept Description	R&D	Research and Development
OCD	Operational Concept Document (equivalent to Operational Concept Description)	R&M	Reliability and Maintainability

RA	Requirements Analysis	SEP	Systems Engineering Plan
RA&D	Requirements Analysis and Design	SEP	Systems Engineering Process
RAAF	Royal Australian Airforce	SEPG	Software Engineering Process Group
RAEE	Risk-Adjusted Expected Effectiveness	SFMEA	System Failure Modes and Effects Analysis
RAL	Risk Abatement Leverage	SFR	System Functional Review
RAMS	Reliability, Availability, Maintainability, Safety	SGML	Standard Generalised Markup Language
RAN	Royal Australian Navy	SIOM	Software Input/Output Manual
RAP	Risk Abatement Plan	SIP	Software Installation Plan
RAR	Requirements Analysis Record	SJ	Sensing Judging
RAS	Requirements Allocation Sheet	SLA	Service Level Agreement
RBD	Reliability Block Diagram	SLOC	Source Lines of Code
RC	Requirement Clarification	SMP	Safety Management Plan
RCA	Root Cause Analysis	SOA	State of the Art
RDB	Requirements Data Base	SOI	Statement of Operating Intent
RDD	Requirements Driven Developer	SOI	System of Interest
RDТ	Reliability Demonstration Test	SOR	Statement of Requirement
RDТ&E	Research, Development, Test and Evaluation	SoRS	Software Requirements Specification
REQID	Requirement Identifier	SOAMSE	Systems of Autonomously Managed Systems Engineering
RFP	Request for Proposal	SOSE	Systems of Systems Engineering
RFT	Request for Tender	SOT	State of Technology
RI	Requirements Importance	SOW	Statement of Work
RIR	Requirements Issue Record	SP	Sensing Perceiving
RMCAG	Risk Management Concepts and Guidance	SPDR	System Preliminary Design Review
RMP	Risk Management Plan	SPI	Schedule Performance Index
RMP	Risk Management Program	SPM	Software Programmers Manual
RMPP	Risk Management Program Plan	SPS	Software Product Specification
ROI	Return On Investment	SQA	Software Quality Assurance
RP	Replication	SRA	System Requirements Analysis
RS	Requirements Specification	SRA	Software Requirement Analysis
RSA	Requirements Satisfaction Audit	SRA&D	System Requirements Analysis and Design
RSM	Response Surface Methodology	SRD	Structured Requirements Definition
RTEM	Requirements Test and Evaluation Matrix	SREM	Software Requirements Engineering Methodology
RTM	Requirements Traceability Matrix	SRR	Systems Requirements Review
RTSA	Real-Time Structured Analysis	SRS	Software Requirements Specification
RQTS	Requirements (abbreviation)	SRS	System Requirements Specification
RVC	Relative Value Contribution	SS	Sub-state
RY	Real Year	SS	Sub-system
S/H	Stakeholder	SSDD	System/Segment Design Document (DoD-STD-2167A)
SA	Secondary Actor	SSDD	System/Subsystem Design Description (MIL-STD-498)
SA&D	Structured Analysis and Design	SSF	Software Support Facility
SADТ	Structured Analysis and Design Technique	SSMP	Software Safety Management Plan
SAE	Service Acquisition Executive (U.S. Defense Department Term)	SSP	Software Support Plan
SASS	Structured Analysis and System Specification	SSR	Software Specification Review
SATs	Site Acceptance Tests	SSS	System/Segment Specification
SBD	Schematic Block Diagram	SSS	System/Subsystem Specification
SBS	System Breakdown Structure	STD	Software Test Description
SCDR	System Critical Design Review	STD	Standard
SCM	Software Configuration Management	STD	State Transition Diagram
SCMP	Software Configuration Management Plan	STE	Special Test Equipment
SCN	Specification Change Notice	STP	Software Test Plan
SCOM	Software Centre Operator Manual	STR	Software Test Report
SD	System Definition	STrP	Software Transition Plan
SD	System Dynamics	SUM	Software Users' Manual
SDD	Software Design Description	SVD	Software Version Description
SDF	Software Development File	SVR	System Verification Review
SDI	Strategic Defense Initiative	SW	Software
SDIO	Strategic Defence Initiative Office	SWE	Software Engineering
SDL	Software Development Library	SWIFLS	Software In the Loop Simulation
SDP	Software Development Plan	SWOT	Strengths, Weaknesses/Limitations, Opportunities, and Threats
SDR	System Design Review	SyRS	System Requirements Specification
SE	Support Equipment	SysML	Systems Modelling Language
SE	Systems Engineering	T&E	Test and Evaluation
SECOE	Systems Engineering Center of Excellence	T&FT	Test and Fix Test
SEDS	Systems Engineering Detailed Schedule	T/P	Technology/Productibility
SEI	Software Engineering Institute	TBA	To be Advised
SEM	System Effectiveness Model	TBD	To be Determined
SEMG	Systems Engineering Management Guide	TCP/IP	Control Protocol/Internet Protocol
SEMP	Systems Engineering Management Plan	TCSEC C	Trusted Computer Systems Evaluation Criteria C Level
SEMS	Systems Engineering Master Schedule	TD	Task Definition

TDP	Technical Data Package
TDRL	Tender Data Requirements List
TEMP	Test and Evaluation Master Plan
TLO	Top Level Object
TLS	Time Line Sheet
TOGAF	The Open Group Architecture Framework
TPM	Technical Performance Measurement
TQM	Total Quality Management
TRR	Test Readiness Review
TRS	Test Requirements Specification
TS	Task Specification Task Statement
Ts & Cs	Teams and Conditions
TSR	Trade Study Report
TST	Test Resource Status
U	User
UF	Utility Function
UML	Unified Modelling Language
UPDM	Unified Profile for DoDAF/MODAF
URS	User Requirements Specification
US	United States
USAF	United States Air Force
USN	United States Navy
V&V	Verification and Validation
VCRI	Verification Cross-Reference Index
VCRM	Verification Cross-Reference Matrix
VDD	Version Description Document
VE	Value Engineering
VM	Value Model
VRS	Verification Requirements Specification
VSM	Value Stream Mapping
V(T)RS	Verification (Test) Requirements Specification
WAD	Work Authorisation Document
WBS	Work Breakdown Structure
WCSE	World Class Systems Engineering
WIPT	Working Integrated Process Team
WIPT	Working Integrated Product Team
WIPT	Working Integrated Project Team
WIPT	Working-group Integrated Product Team
WIPT	Working-level Integrated Product Team
WPP	Work Package Plan
XML	Extensible Markup Language
XOR	Exclusive Or
490A	MIL-STD-490A "Specification Practices"
499B	MIL-STD-499B draft "System Engineering"
1012	ANSI/IEEE Std 1012 "Software Verification and Validation Plans"
1521B	MIL-STD-1521B "Technical Reviews and Audits"
2167A	DOD-STD-2167A "Weapons System Software Development"
5550	DI-E-5550 "System/System Segment Interface Control Document"
B1	MIL-STD-490A Specification Type B1
B2	MIL-STD-490A Specification Type B2
C1-4	MIL-STD-490A Specification Types C1-C4