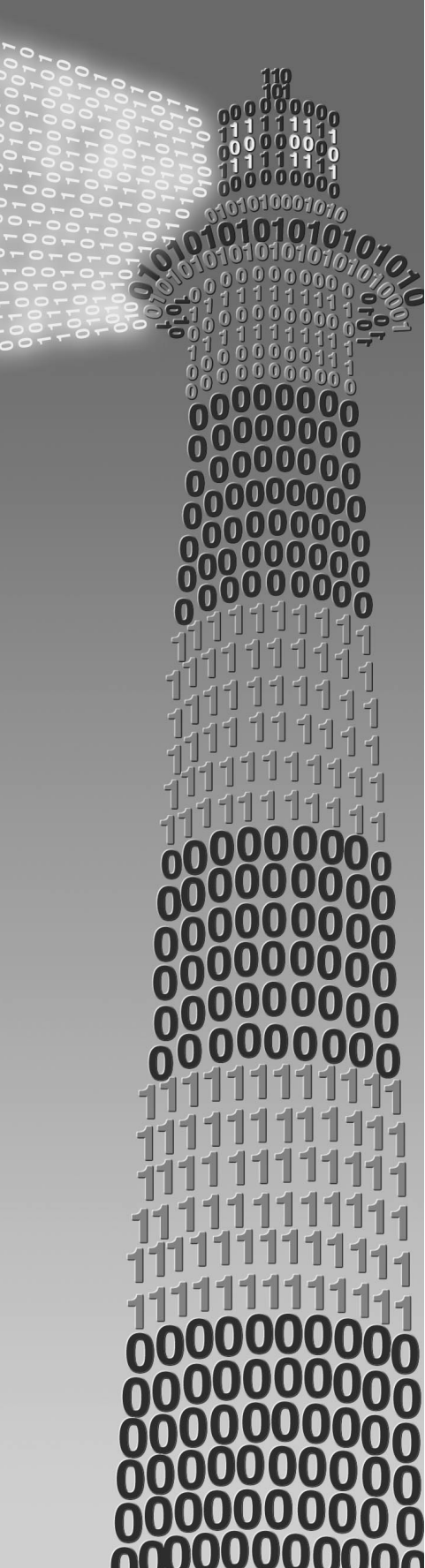


List of Acronyms



ABD	Architecture Based Design
ACM	Association for Computing
ACWP	actual cost of work performed
AHP	Analytic Hierarchy Process
AI	Action Item
AKA	Also Known As
ANSI	American National Standards Institute
AP	Action Plan
API	Application Program Interface
ARC	Assessment Requirements for CMMI
ARM	Automated Requirements Measurement (software used at NASA)
ATAM	Architecture Tradeoff Analysis Method
ATLM	Automated Test Lifecycle Methodology
AW	Addison-Wesley
BAC	Budget at Completion
BCWP	Budgeted Cost of Work Performed
BCWS	Budgeted Cost of Work Scheduled
C2	Command and Control
C3I	Command, Control, Communications, and Intelligence
C4ISR	Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance
CAC	Calculated Cost at Completion
CAIV	Cost as An Independent Variable

List of Acronyms

CARE	Computer Aided Requirements Engineering, a requirements tool by SOPHIST Technologies
CASE	Computer-aided Software Engineering
CAT	PRC Center for Applied Technology
CBA	CMM-based Appraisal
CBA IPI	CMM-based Appraisal for Internal Process Improvement
CCB	Configuration Control Board
CCPDS-R	Command Center Processing and Display System-Replacement
CD	Compact Disk
CDR	Critical Design Review
CIO	Chief Information Officer
CM	Configuration Management
CMM	Capability Maturity Model
CMMI	Integrated Capability Maturity Model
CMP	Configuration Management Plan
CMU	Carnegie Mellon University
CMWG	Configuration Management Working Group
COCOMO	Constructive Cost Model
COE	Common Operating Environment
Comms	Communications
CONOPS	Concept of Operations
CORBA	Common Object Request Broker Architecture
COTS	Commercial Off-the-Shelf
CRM	Customer Relationship Management
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
CSCSC	Cost and Schedule Control System Criteria
C/SSR	Cost/Schedule Status Reporting
CSU	Computer Software Unit
CV	Cost Variance
CVR	Customer Valid Requirement
DARPA	US Defense Advanced Research Projects Agency
DBA	Database Administrator
DBMS	Database Management System
DID	Data Item Description
DII	Defense Information Infrastructure
DISA	Defense Information Systems Agency

List of Acronyms

DoD	Department of Defense
DoD-STD	DoD Standard
DOORS	Dynamic Object Oriented Requirements System
DP	Defect Prevention
DSDM	Dynamic Systems Development Method
EAC	Estimate at Completion
EASE	Expert Assistant Software Engine
EIA	Electronic Industries Association
EIA G-47	The EIA Committee on System Engineering
EPG	Engineering Process Group
EPI	Engineering Process Improvement
EPIC	Enterprise Process Improvement Collaboration
EPIP	Engineering Process Improvement Plan
EPS	Encapsulated PostScript (a format)
ETP, Inc.	A company headquartered in Ireland
EV	Earned Value
EVA	Earned Value Analysis
EVO	Evolutionary Delivery
FD	Functional Document
FFRDC	Federally Funded Research and Development Center
FP	Function Point
FPA	function point analysis
FY	Fiscal Year
GCPR	Government Computer-based Patient Records
GOTS	Government Off the Shelf Software
GSFC	Goddard Space Flight Center (NASA)
GUI	Graphical User Interface
HCI	Human Computer Interface
HOL	High Order Language
HP	Hewlett Packard
HR	Human Relations
I&T	Integration and Test
IC	Intergroup Coordination
ICASE	Integrated Computer-aided Software Engineering
ICD	Interface Control Document
ICRE	IEEE Conference on Requirements Engineering
IE	Impact Estimation

IEEE	Institute of Electrical and Electronic Engineers
IFPUG	International Function Point Users Group
ILS	Integrated Logistics Support
IM or ISM	Integrated (Software) Management
INCOSE	International Council on Systems Engineering
IPI	Internal Process Improvement
IPT	Integrated Product Team
IT	Information Technology
ISO	International Standards Organization
IRD	Interface Requirements Document
IRS	Interface Requirements Specification
IS	Information System
ISO	International Standards Organization
ITA	Information Technology Architecture
IV&V	Independent Verification and Validation
JAD	Joint Application Design
JPEG	Joint Photographic Experts Group (a format)
JRP	Joint Requirements Planning
J-STD	Joint Standard
JT	Joint Team
KPA	Key Process Area
KSLOC	Thousands of Source Lines of Code
LAN	Local Area Network
LOC	Lines of Code
MIL	Military
MIL STD	Military Standard
MIS	Management Information System
MLT	Metrics Lead Team
MNS	Mission Needs Statement
MOE	Measure of Effectiveness
MQ	Maturity Questionnaire
MQI	Managing Quality Improvement (a course offering at PRC)
MS	Microsoft
NASA	National Aeronautics and Space Administration
NCOSE	National Council on Systems Engineering
NDIA	National Defense Industrial Association
NIST	National Institute of Standards and Technology

List of Acronyms

NT	Windows NT (New Technology)
NTIS	National Technical Information Service
OBE	Overcome by Events
OCD	operational concept definition
OD or OPD	Organizational Process Definition
OEG	Other Engineering Groups
OF or OPF	Organizational Process Focus
OLAP	Online Analytical Processing
OMG	Object Management Group
OO	Object Oriented
OOSE	Object Oriented Software Engineering
ORB	Object Request Broker
ORD	Operational Requirements Document
ORR	Operational Readiness Review
OSD/AT&L	Office of the Secretary of Defense, Acquisition, Technology, and Logistics
OT	Object Technology
PA	Process Area
PAL	Process Asset Library
PAL	Purpose, Agenda, and Limit (in connection with a meeting)
PCM	Process Change Management
PD	Process Description
PDF	Portable Document Format (a format)
PE	Project Execution (AKA Project Tracking)
PI	Process Improvement
PIP	Process Improvement Plan
PM	Program Manager, Project Manager
PMI	Project Management Institute
PMP	Program Management Plan
POSIX	Portable Operating System Interface
PP	Project Planning or Program Plan
PR	Peer Review
PREVIEW	Process and Requirements Engineering Viewpoints
PSI	Probability of Success Indicator
PSP	Personal Software Process
PT	Project Tracking
QA	Quality Assurance

List of Acronyms

QAP	Quality Assurance Plan
QFD	Quality Function Deployment
QI	Quality Improvement
QIDW	Quality In Daily Work (also referred to as “Process Management”)
QM	Quantitative Management
QMB	Quality Management Board
QSS, Inc.	Quality Systems & Software (vendor of the DOORS requirements tool), acquired by Telelogic in 9/00.
QW	Quality Week (an international conference)
RAD	rapid application development
RD	Requirements Document
RDM	Requirements-Driven Management
RE	Requirements or Requirements Engineering
ReqPro	Requisite Pro by Rational Corporation
RFC	Request for Change
RFI	Request for Information
RFP	Request for Proposals
RFQ	Request for Quote
RM	Requirements Management
RMP	Risk Management Plan
RMUG	Risk Management Working Group
ROI	return on investment
RP	Requirements Plan
RSEB	Reuse-Driven Software Engineering Business
RT	Requirements Tracer, a requirements tool by Teledyne Brown Engineering
RTM	Requirements Traceability Matrix
RUP	Rational Unified Process
RWG	Requirements Working Group
S&PE	PRC’s Systems and Process Engineering Organization
SA	System Architecture
SAR	System Acceptance Review
SATC	Software Assurance Technology Center
SCAMPI	Standard CMMI Assessment for Process Improvement
SCE	Software Capability Evaluation
SCO	Software Change Order
SDF	Software Development Folder

List of Acronyms

SDLC	System Development Life Cycle
SDP	Software Development Plan
SE	Systems Engineering
SECAM	Systems Engineering Capability Assessment Model
SECAT	Systems Engineering Capability Assessment & Training, Inc. (a company headquartered in La Mirada, CA)
SECM	Systems Engineering Capability Model
SE-CMM	System Engineering Capability Maturity Model (EPIC)
SEI	Software Engineering Institute
SEL	Systems Engineering Laboratory (NASA)
SELT	PRC's Systems Engineering Lead Team
SEMP	System Engineering Management Plan
SEP	System Engineering Process
SEPG	Systems and/or Software Engineering Process Group
SGS	Satellite Ground Stations
SIM	PRC's System Integration Manual
SLATE	A requirements tool by TD Technologies, Inc.
SLC	Systems Life Cycle
SM	Subcontract Management
SME	Subject Matter Expert
SOW	Statement of Work
SPA	Software Process Assessment
SPC	Statistical Process Control
SPE or PE	Software Product Engineering
Spec	Specification
SPI	Software Process Improvement
SPIN	Software Process Improvement Network
SPIP	Software Process Improvement Plan
SPR	Software Productivity Research, Inc.
SRR	System Requirements Review
SRS	System or Software Requirements Specification
SS	System Specification
SSDD	System Specification Data Dictionary
SSS	System Segment Specification
STD	Standard
STD	System Test Description
STMC	Litton Industries' Software Technology Management Conference

STP	System or Software Test Plan
STQE	Software Testing & Quality Engineering (a periodical). See http://www.stqemagazine.com/
Sub	Subcontractor
SV	Schedule Variance
SW	Software
SWAT	Strategic Weapons Attack Team
SW-CMM	Capability Maturity Model for Software
SWE	Software Engineering
TA	Technical Architecture
TAFIM	Technical Architectural Framework for Information Management
TASC, Inc.	A systems integration company that is part of Litton Industries (Litton-TASC)
TBD	To Be Determined
TBI, Inc.	Technology Builders, Inc., vendors of the CaliberRM requirements tool
TCM	Technology Change Management
TCP/IP	Transmission Control Protocol/Internet Protocol
TIFF	Tagged Image File Format
TIM	Technical Interchange Meeting
TL	Team Leader
TOC	Table of Contents
TOG	The Open Group
TOGAF	The Open Group's Architectural Framework
TP	Training Program
TQM	Total Quality Management
TRM	Technical Reference Model
TSP	Team Software Process
UML	Unified Modeling Language
URL	Uniform Resource Locator
US	United States
USC	University of Southern California
V&V	Verification and Validation
WAN	Wide Area Network
WBS	Work Breakdown Structure
WMA	Washington Metropolitan Area (chapter of INCOSE) See http://www.incose-wma.org/info/