Standard Operating Procedure

NGLD Acronyms

Procedure Number: N/A

Department Owner: N/A

TABLE OF CONTENTS

1   DEFINITIONS

Abbr.	Term	Description	Category	Pg.
3PL	3rd Party Logistics		Supply Chain	
AAA	Authentication-Authorization-Accounting	State characterized by the activities to control user access into the system after NGLD-M achieves power-up. The NGLD-M can power-up without the use of a CIK; which results in the NGLD-M ready for MA mode of operations.	State	
ACES	Automated Communication Engineering Software		-	
AEHF	Advanced Extremely High Frequency		-	
AES	Advanced Encryption Standard		-	
AKDELIV	Application Key Marerial Delivery		-	
API	Application Programming Interface		Software Component	
-	Architecture Review	A cross-functional gathering to review new or changed architecture.	Project Management	
ARL	Authority Revocation List		-	
ATO	Authority to Operate		-	
AXID	Association and Exchange Identifier		-	
BCR	Barcode Reader		Hardware	
BF	Benign Fill		-	
BI	Business Intelligence		Enterprise Software	
BIT	Built-in Test		-	
BOL	Bill of Lading		Supply Chain	

Definitions continued from previous page				
Abbr.	**Term**	**Description**	**Category**	**Pg.**
BOM	Bill of Materials		Supply Chain	
-	Bug	Any issue found on a GA product.	-	
BVT	Build Verification Test	A build is passed through a set of automated tests to ensure that the build is worthy of System Verification Test. The concept supporting BVT is a broad validation but of limited depth. Time is of the essence for BVT.	Software Component	
CAC	Common Access Card		-	
CBRN	Chemical, Biological, Radiological, and Nuclear		-	
CCI	Controlled Cryptographic Item		-	
CCTS	Customer Care & Technical Support	The department responsible for Customer Care & Technical Support.	Department	
CDV	Configuration, Demonstration, and Verification		-	
CFDI	Common Fill Device Interface		-	
CFR	Code of Federal Regulations		Legal	
cGMP	Current Good Manufacturing Practice		Manufacturing Standard	
CIK	Cryptographic Ignition Key		-	
CMS	Cryptographic Message Syntax		-	
CNT	Count		-	
-	Code Lock	Code Lock is the point at which Engineering enters a highly-controlled and monitored state of source code changes.	Software Component	
COM	Component Object Model	Technology created by Microsoft for creating software components.	Software Component	

Abbr.	Term	Description	Category	Pg.
Definitions continued from previous page				
COMSEC	Communications Security		-	
CPD	Capabillity Production Document		-	
CPG	Consumer Packaged Goods		Market	
CPU	Central Processing Unit		-	
CPV	Component Placement Verfication		-	
CREDRQ	Credential Request		-	
CRL	Certificate Revocation List		-	
CRM	Customer Relationship Management		Enterprise Software	
CRUD	Create, Read, Update, and Delete		Software Component	
CS$_F$C	Commerical Solutions for Classified		-	
CSR	Certificate Signing Request		-	
CT$_3$	Common Tier 3		-	
DC	Distribution Center		Supply Chain	
DCUT	Development Complete and Unit Tested	All features coded and unit-tested. If a single feature failed to implemented, DCUT has failed.	Project Management	
DDS	Detailed Design Specification		Project Management	
-	Defect	Any issue found on a non-GA product.	-	
-	Design Document	A product design document (or specification) is a statement of how a design is made, what it is intended to do, and how far it complies with the requirements.	Project Management	
DLL	Dynamic Linked Library		Software Component	
DMT	Document Management Tool		-	

	Definitions continued from previous page			
Abbr.	**Term**	**Description**	**Category**	**Pg.**
DoA	Delegation of Authority	A formal aggreement that defines the financial and administrative responsibilities and authorities delegated to a person in charge of approving the decisions and transactions within the business entities.	Legal	
DoD	Department of Defence		-	
DoDIN	DoD Information Network		-	
DoDIN-A	DodIN-Alternate		-	
DPMS	Drug Pedigree Messaging Standard		Regulation	
DRY	Don't Repeat Yourself		-	
DSCSA	Drug Supply Chain Security Act (USA)		Regulation	
DSS	Digital Signature Standard		-	
DTD	Digigal Transfer Device		-	
EA	Early Access	Sites and stakeholders' sign-up to get early copies of software for on-site validation. A process which offers clients the opportunity to preview new features and functionality before a GA release. Early Access begins in the implementation phase and concludes before the SDLC code-lock milestone.	-	
EAN	European Article Numbering		Standards	
ECDH	Elliptic Curve Diffie-Hellman		-	
ECM	Electronic Counter Measure		-	
ECU	End Cryptographic Unit		-	
ECURS	ECU Response		-	
EDI	Electronic Data Interchange		Software Component	
EKMS	Electronic Key Management System		-	

Abbr.	Term	Description	Category	Pg.
	Definitions continued from previous page			
EP	Electronic Protection		-	
EPC	Electronic Product Code		Standards	
EPCIS	Electronic Product Code InformationService		Standards	
-	Epic	Represents a Feature request to the product	Software Component	
EPRMLC	Engineering Product Reference Manual Life Cycle	A process that governs the progression of creating new, and revising existing, Product Reference Manuals.	Project Management	
ERP	Enterprise Resource Planning		Enterprise Software	
ES	External Source	Is computer software that was not created internally. Open Source is a type of External Source software.	Software Component	
ESN	Electronic Serial Number		-	
ESOH	Environmental, Safftety, and Operational Health		-	
ESP	Encapulating Security Payload		-	
ETL	Extract, Transform, and Load		-	
FAT	Factory Acceptance Test		Project Management	
FH	Frequency Hopping		-	
FM	Frequency Modulation		-	
FMCG	Fast Moving Consumer Goods		Market	
FMD	Falsified Medicines Directive (EU)		Regulation	
FOUO	For Official Use Only		-	
FPC	Flexible Printed Circuit		Hardware	
FS	Functional Specification		Project Management	
FS	Fact Sheets		Project Management	
FSDA	Fail Safe Design Analysis		-	

	Definitions continued from previous page			
Abbr.	**Term**	**Description**	**Category**	**Pg.**
FTP	File Transfer Protocol		Software Component	
FTPS	File Transport Secure Protocal		-	
-	Functional Specification / Product Design Document / High Level Design	A formal document produced by SD that outlines in detail, the operating parameters of the software module to be delivered.	Project Management	
-	Functional Testing	In-depth testing of the functionality of the module, to ensure that full-functionality has not been adversely affected by any updates or modifications.	Software Component	
GA	General Availability	Product is available for sale. (alt.) A release of software made generally available to the entire customer base.	-	
GAMP	Good Automated Manufacturing Practices		Manufacturing Standard	
GBPS	Giga bits per second		-	
GCM	Galios Counter Measure		-	
GFS	Government Furnished Software		-	
GICv4	Generic Interrupt Controller version 4		-	
GPS	Global Positioning System		-	
HA	High Assurance		-	
HAIPE	High Assurance Internt Protocol Encryptor		-	
HBSS	Host Based Security System		-	
HDMA	Health Distribution Management Association		Standards	
HEMP	High-Altitude Electromagnetic Pulse		-	

Definitions continued from previous page				
Abbr.	**Term**	**Description**	**Category**	**Pg.**
HLD	High Level Design	A document that provides a high-level overview of the new and/or enhanced functionality. This document details various topics such as: Impact Analysis, Use Cases, Testing strategy, and overview specifics. It serves as a communication mechanism for various stakeholders.	Project Management	
HMI	Human Machine Interface		Hardware Component	
HP	Hewlett Packard	A computer hardware and software company	-	
HR	Human Readable	Text that can be read by the human eye (as opposed to being encoded in a barcode)	Vision	
HSM	Hardware Support Module		-	
HTTP	HyperText Transfer Protocol		Software Component	
IA	Identity certificate		-	
IaaS	Infrastructure as a Service		-	
iApp	Intermdiary Application		-	
IASRD	Information Assurance Security Requirements Document		-	
IAVA	Information Assurance Vulnerability Alert		-	
IDPDE	iApp OTNK Device PDE Storefront		-	
II	Initial Instructions		Project Management	
IOD	Information on Demand		-	
IoT	Internet of Things		Software Component	
IPC	Industrial PC		Hardware Component	
IPS	Item Process Stream		-	

Abbr.	Term	Description	Category	Pg.
Definitions continued from previous page				
-	JIRA	Issue tracking and resolution system	Enterprise Software	
KISS	Keep It Simple Stupid		-	
KYC	Know Your Customer		-	
LDAP	Lightweight Directory Access Protocol		Software Component	
LLD	Low Level Design		Project Management	
LLOC	Logical Lines of Code		Software Component	
LOC	Lines of Code		Software Component	
MAD	Mark Agnostic Detector		Software Component	
MAHI	Mobile Agnostic Hardware Interface		Software Component	
MDA	Mechanical Damage Adaptation		Software Component	
MDM	Master Data Management		Software Component	
MES	Manufacturing Execution System		Factory Software	
MI	Markem-Imaje		-	
MTH	Math Tool		-	
MV	Machine Vision		Vision	
NIRF	New Item Request Form	Used to request a new item add to the financial accounting system (Macola).	-	
NIST	National Institute of Standards and Technology		Standards	
OCR	Optical Character Recognition		Vision	
OCV	Optical Character Verification		Vision	
OCV2wR	Optical Charicter Verification with Rotation		Vision	

Abbr.	Term	Description	Category	Pg.
Definitions continued from previous page				
OEM	Original Equipment Manufacturer		Hardware	
OM	Operations Manual		Project Management	
OPC	Open Platform Communications		Standards	
-	Operating System		Software Component	
OS	Open Source	Is computer software with its source code made available with a license in which the copyright holder provides the rights to study, change, and distribute the software to anyone and for any purpose. Open Source software may be developed in a collaborative public manner.	Software Component	
PaaS	Platform as a Service		-	
-	Patch	Limited distribution software update intended for a specific customer to meet immediate needs between normally scheduled software releases. Patches typically contain bugs only. Based on project requirements feature changes or enhancements may be added.	Software Component	
PCA	Pricipal Component Analysis		-	
PD	Personal Data		-	
PDD	Product Design Documentation	A document that details various topics such as: Impact Analysis, Use Cases, Testing strategy, and overview specifics. The PDD servers as a communication mechanism for various stakeholders.	Project Management	
-	Performance Testing	Ensure the Module conforms to performance criteria defined in Functional Specification / Design Documentation	Software Component	
PK	Primary Key		-	

	Definitions continued from previous page			
Abbr.	**Term**	**Description**	**Category**	**Pg.**
PLC	Programmable Logic Controller		Hardware Component	
PoE	Power over Ethernet		Hardware	
PPC	Panel PC		-	
-	Product Owner	Member of Product Line Management responsible for providing requirements and guidance to on Product releases.	-	
PWO	Process/Packaging Work Order		Supply Chain	
QA	Quality Assurance	The department responsible for software testing. (alt.) Maintenance of a desired level of quality in a service or product, particularly by means of attention to each stage of the process of delivery or production.	Department	
-	QA Test Plan	A formal test procedure that is written from the Functional Specification, Product Design Document, or High Level Design that details the steps taken to test a software module.	Project Management	
QBR	Quarterly Business Review		-	
QR CODE	Quick Response code	A QR code is a type of matrix barcode invented in 1994 by the Japanese automotive company Denso Wave.	-	
RC	Release Candidate	A software release candidate, which has gone through formal QA testing and has been approved by QA for general availability to the public.	Software Component	
RDD	Requirements Design Document	A document defining the requirements of a proposed product's solution.	Project Management	
-	Regression Testing	Allows the verification of functions of each build. Verifies that modifications have not introduced new problems.	Software Component	

		Definitions continued from previous page		
Abbr.	**Term**	**Description**	**Category**	**Pg.**
-	Repository	Designated network drive/directory used to house automated test scripts and test data.	-	
RFID	Radio Frequency Identification		Hardware	
RN	Release Notes		-	
ROI	Region of Interest	Area of the captured image within which the vision tool performs its analysis.	Vision	
SA	Standards & Architecture	The department responsible for developing product solution standards.	Department	
SaaS	Software as a Service		-	
SAT	Site Acceptance Test		Project Management	
SCADA	Supervisory Control and Data Acquisition		Hardware	
SCM	Software Configuration Management		-	
-	Scrum Master	Individual performing the role of Scrum Master for a product/project team.	-	
SD	Software Development	Department within Engineering	Department	
SLOC	Source Lines of Code		-	
SOP	Standard Operating Procedures		-	
SP	Stored Procedure		-	
-	Spike	Represent a block of time, up to 54 hours to perform research for a story/feature. Spikes must have subtasks generated to capture the work being completed.	Software Component	
SQA	Software Quality Assurance	A set of activities for ensuring quality in software quality processes	-	
SQL	Structured Query Language		Software Component	

Definitions continued from previous page				
Abbr.	**Term**	**Description**	**Category**	**Pg.**
SSCC	Serial Shipping Container Code		Standards	
-	Story	Represent how a feature will be implemented. A story is confined to work that can be completed within a sprint (54-hour work period) and must be broken into subtasks.	Software Component	
-	Sub-Task	Represents a breakdown of the work needed to complete a story, task, bug, defect, or Spike e.g. Dev-Task, QA, Product Doc.	Software Component	
-	Supply Chain Management		Enterprise Software	
SVM	Support Vector Machine		-	
-	Technical Lead	Member of Engineering who is considered the subject matter expert of a specific area.	-	
-	Technical Story	Represent any work undertaken as part of an Engineering Initiative with the goal of improving a process within engineering.	Software Component	
-	Test Case	Individual test step found within a manual or automated QA test procedure	Software Component	
-	Test Cycle	The tasks that are performed during the process of testing the software.	Software Component	
-	Test Scripts	Scripting (code) that is generated from UFT and by testers. The scripts are based upon the Requirements / Design Elements identified in the Test Plan.	Software Component	
-	Test Sequence	Series of sequences (steps) comprising on test scenario.	Software Component	
-	Test Steps	The steps required to perform additional manual testing which cannot be easily automated.	Software Component	
TG	Technical Guide		Project Management	

	Definitions continued from previous page			
Abbr.	**Term**	**Description**	**Category**	**Pg.**
TP	Test Plan	The documented plan of what and how modules / software will be tested.	Project Management	
TPC	Thin-Client PC		-	
UCC	Uniform Code Council		Standards	
UDF	User Defined Function		Software Component	
UFT	Unified Functional Testing	An automated testing tool from HP	-	
UI	User Interface		Software Component	
UPC	Universal Product Code		Standards	
UPS	Uninterruptable Power Supply		Hardware	
URS	User Requirements Specifications		Project Management	
VAR	Value Added Reseller	A company that adds features or services to an existing product, then resells it (usually to end-users) as an integrated product or complete turn-key solution.	-	
VQ	Validation Qualification		Project Management	
VUID	Virtual Unique Identifier		-	
WMS	Warehouse Management System		Enterprise Software	
XML	Extensible Markup Language		Software Component	
XP	Extreme Programming		Software Component	
YAGNI	You Ain't Gonna Need It		-	