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Glossary of Terms, Acronyms, and Definitions

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TechAmerica Engineering Bulletin

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(Formulated under the cognizance of the TechAmerica G33 Configuration Management Committee under Task No. 110-96.)

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CMB7-4A

Revision	Description of change	Date
-	Initial Release	Mar 1998
A	Changes are summarized in Annex A	Jan 2011

Forward

TechAmerica Bulletin CMB7-4A provides an integrated cross-reference to the terminology, acronyms & definitions used in TechAmerica related functional standards and documents. This Bulletin was developed by the TechAmerica G33 Configuration Management Committee under Task No. 110-96. The document content was derived from various TechAmerica, international, industry, and government sources. Changes from the previous release of this bulletin are reflected in Annex A.

Introduction

Within various TechAmerica committees and working groups that are responsible for developing and updating standards and documents, a significant amount of time and effort is expended in researching, defining or redefining terms. This Bulletin is intended to provide a comprehensive glossary of currently published terms along with their definitions and is designed to promote consistency, continuity, harmonization and integration of all TechAmerica standards and related documents. In many cases you will find multiple definitions for the same term. This is due to the various documents using the same term in a different manner. Be sure you understand what functional environment you want to represent, and then use the appropriate standard for the correct definition.

Scope

This Bulletin provides a comprehensive list of Terms and Definitions used in or related to TechAmerica prepared standards/documents. The information in these listings was extracted from standards and documents prepared by the Systems Engineering (G47), Configuration Management (G33), Life Cycle Logistics Supportability and Enterprise Information Management Interoperability Committees along with other pertinent international, industry and government standards. It is intended that this bulletin be used as a resource to help with harmonization of terms and definitions across standards. One should be cognizant of the release date of this Bulletin and understand that updates to the included standards and handbooks after this Bulletin was released may affect its accuracy.

References

The following standards and handbooks were used to create this glossary.

- ASME Y14.24 -1999 (R2004), Types and Applications of Engineering Drawings
- ASME Y14.34 - 2008, Associated Lists
- ASME Y14.35M - 1997, Revision of Engineering Drawings and Associated Documents
- ASME Y14.100 - 2004, Engineering Drawing Practices
- DOD 5010.12-M (May 93), Procedures for Acquisition and Management of Technical Data
- DODD 5000.01 (November 20, 2007), The Defense Acquisition System
- DODI 5000.02 (December 08, 2008). Operation of the Defense Acquisition System
- DOE-STD-1073-2003, Configuration Management
- EIA-632 (1999), Processes for Engineering a System
- EIA-649A (2004), National Consensus Standard for Configuration Management
- EIA-836B, Configuration Management Data Exchange and Interoperability*
- GEIA-STD-0007 (4 April 2007), Logistics Product Data **
- GEIA-859 -2004, Data Management
- GEIA-927 (June 2007), Common Data Schema for Complex Systems***
- IAEA-TECHDOC-1335 (JAN 2003) Configuration Management in Nuclear Power Plants
- ISO/IEC 12207:2008 (E), Systems and Software Engineering-Software Lifecycle Processes
- ISO 10007:2003 (E), Quality Management - Guidelines for Configuration Management
- MIL-STD-961E w/Change 1, Defense and Program-Unique Specifications Format and Content
- MIL-STD-963B, Data Item Descriptions (DIDS)
- MIL-STD-1840C - Automated Interchange of Technical Information
- MIL-STD-31000, Standard Practice Technical Data Packages
- MIL-HDBK-61A, Configuration Management Guidance
- MIL-HDBK-505 (12 February 1998), Definitions of Item Levels, Item Exchangeability, Models, and Related Terms
- NASA-STD-0005 (09-29-2008) NASA Configuration Management (CM) Standard
- NIRMA CM 1.0-2007, American National Standard for Guidelines for Configuration Management of Nuclear Facilities

* Configuration Management Data Elements are not contained in this Bulletin; they along with their definitions are contained in Chapter 6, Data Dictionary, of EIA-STD.

** Logistics Management Information Data Elements are not contained in this Bulletin; they along with their definitions are contained in Appendix A of GEIA-STD-0007.

*** Reference Standard Organization (Chapter 2) of GEIA-STD-927 for definition of views and entities related to Common Data Schema for Complex Systems.

Glossary

This glossary provides a comprehensive list of the terms and definitions used in or related to TechAmerica prepared standards/documents.

In many cases you will find multiple definitions for the same term. This is due to the various documents using the same term in a different manner. Be sure you understand what functional environment you want to represent, and then use the appropriate standard for the correct definition.

It is noted that all information taken from the sources listed are provided exactly as presented by the source, except for minor editorial corrections.

It is hoped that with the help of this document, future updates to standards or in the generation of new standards there will be more coordination of the terminology used so that redundancies and “nearly the same as” definitions can be eliminated. Ideally, the document will get smaller with the coordination and harmonization of ‘nearly the same definitions’.

Term and Definitions

TERM	SOURCE	ACRONYM	DEFINITION
Abstract	EIA-836B		A <i>characteristic</i> of certain <i>elements</i> (<i>object, part, datatype</i>) whose presence signifies that the <i>element</i> is not real. (Modeling Language)
Abstraction	GEIA-STD-927-2007		The selective examination of certain aspects of a problem.
Acceptance	ASME Y14.100-2004		The act of an authorized representative, of the receiving activity, to accept ownership of supplies tendered, or approve specific services rendered, as partial or complete performance of the contract.
Acceptance	DOD 5010.12-M (May 93)		The act of an authorized representative of the Government by which the Government, for itself or as an agent for another, assumes ownership of existing identified items tendered or approves specific services rendered as partial, or complete, performance of the contract.
Acceptance	GEIA-859-2004		Formal acknowledgement that a product, data, or service conforms to requirements. Acceptance may occur before, at, or after delivery.
Acceptance Criteria	ASME Y14.24-1999 (R2004)		The quality provisions, including inspection and test requirements, which establish the acceptability of an item. It may range from testing the item in its use environment, to verification of electrical/mechanical characteristics, to a simple visual inspection.
Access	GEIA-859-2004		Formal arrangement between parties to be able to view/read data (Access, in itself does not authorize use, reproduction, manipulation, altering, or transfer of possession of data.)
Accessory	MIL-HDBK-505 12 FEB 1998		An item used in conjunction with or to supplement an assembly, unit or set, contributing to the effectiveness thereof without extending or varying the basic function of the assembly, unit, or set. An accessory may be used for testing, adjusting or calibrating purposes. (Examples: Recording camera for radar set, emergency power supply.)
Acquirer	EIA-632 JAN 1999 (R2003)		An enterprise, organization or individual that obtains a product (good or service) from a supplier.
Acquirer	ISO/IEC 12207:2008(E)		Stakeholder that acquires or procures a product or service from a supplier. Note The acquirer could be one of the following: buyer, customer, owner, or purchaser.
Acquisition	GEIA-859-2004		The activity performed to obtain or come to have as one's own.
Acquisition	ISO/IEC 12207:2008(E)		process of obtaining a system, software product or software service

TERM	SOURCE	ACRONYM	DEFINITION
Acquisition	MIL-STD-963B		The acquiring by contract, with appropriated funds, of supplies or services by and for the use of the Government that are already in existence or must be created, developed, demonstrated, and evaluated.
Acquisition (Services)	DODI 5000.02 December 08 2008		The execution of one or multiple contracts or other instruments committing or obligating funds (e.g., funds transfer, placing orders under existing contracts) for a specified requirement. Acquisition begins at the point when agency needs are established and includes all functions directly related to the process of fulfilling those needs by contract, agreements, or funds transfer.
Acquisition Executive	DODD 5000.01 November 20 2007		See Defense Acquisition Executive
Acquisition Management	DOD 5010.12-M (May 93)		Systems and Data requirements. Control List (AMSDL). A listing of source documents and data item descriptions which have been approved for repetitive contractual application in DOD acquisitions and those that have been canceled or superseded. The AMSDL is identified as DOD 5010.12-L (reference (a)) and is reissued semiannually in April and October of each year.
Acquisition Management Systems and Data Requirements Control List	MIL-STD-963B	AMSDL	A listing of Source Documents and Data Item Descriptions (DIDs) which have been approved for repetitive contractual application in DOD acquisitions and those that have been canceled or superseded. The AMSDL is identified as DOD 5010.12-L.
Acquisition Management Systems Control (AMSC) Number	MIL-STD-961E W/CHANGE 1	AMSC	A control number assigned by the cognizant data management approval authority listed in the SD-1, which indicates that a data item description (DID) or a defense specification or standard that cites DIDs has been cleared for use by the DOD.
Acquisition Management Systems Control (AMSC) Number	MIL-STD-963B		A control number assigned by the Director, DUSD (L) CALS to DIDs and Military Specifications and Standards that cite DIDs.
Acquisition Program	DODD 5000.01 November 20 2007		A directed, funded effort that provides a new, improved or continuing materiel, weapon or information system, or service capability in response to an approved need.
Acquisition Streamlining and Standardization Information System	MIL-STD-961E W/CHANGE 1	ASSIST	The official database containing information about standardization documents used in the DOD. ASSIST also provides electronic access to government documents included in the database over the Internet. ASSIST can be accessed at http://assist.daps.dla.mil .
Activity	ISO/IEC 12207:2008(E)		set of cohesive tasks of a process

TERM	SOURCE	ACRONYM	DEFINITION
Administrative Control Number	ASME Y14.24-1999 (R2004)		A number assigned to one or more interchangeable purchased item by a vendor item control drawing (VICD) for administrative purposes. An administrative control number may also be assigned to an envelope drawing. The number also serves as the part or identifying number for specifying such items in a parts list. The administrative control number is assigned by the original design activity.
Agreement	EIA-632 JAN 1999 (R2003)		An arrangement, not necessarily contractual, between two parties (an acquirer and a supplier) that defines the tasks to be performed, the items to be delivered, the acceptance criteria to be applied to delivered items, and other requirements affecting the development or procurement of system products
Agreement	ISO/IEC 12207:2008(E)		mutual acknowledgement of terms and conditions under which a working relationship is conducted
Agreement	NASA-STD-0005 09-29-2008		Any "meeting of the minds" that results in a requirement for a NASA system to be designed, delivered, and operated for a specific NASA mission or purpose. This agreement can take many forms, such as a contract under the FAR, a commercial contract, a cooperative agreement, a grant, or other such instrument as defined and approved by NASA.
Aliases	EIA-836B		A list of alternate <i>names</i> for <i>elements</i> , <i>properties</i> or <i>values</i> . (Modeling Language)
Allocated Baseline	MIL-HDBK-61A		The approved allocated configuration documentation.
Allocated Configuration Documentation	MIL-HDBK-61A	ACD	The documentation describing a CI's functional, performance, interoperability, and interface requirements that are allocated from those of a system or higher level configuration item; interface requirements with interfacing configuration items; and the verifications required to confirm the achievement of those specified requirements.
Alphanumeric Arrangement	ASME Y14.34-2008		an ordered grouping of symbols, numbers, and letters used to form an identification
Altered Item	ASME Y14.100-2004		An existing item, under the control of another design activity or defined by a nationally recognized standardization document that is subjected to alteration to meet the design requirements.
American Standard Code for Information Interchange Character Set	MIL-STD-1840C		The ASCII character set includes 128 upper and lower case letters, numerals, and special purpose symbols, each encoded by a unique 7-bit or 8-bit binary number.
American Standard Code for Information Interchange Text	MIL-STD-1840C		A sub-set of the ASCII character set consisting principally of the printable characters.

TERM	SOURCE	ACRONYM	DEFINITION
Analysis	MIL-STD-961E W/CHANGE 1		An element of verification that uses established technical or mathematical models or simulations, algorithms, charts, graphs, circuit diagrams, or other scientific principles and procedures to provide evidence that stated requirements were met.
Application Activity	MIL-HDBK-61A	AA	An activity that has selected an item or a document for use on programs under its control. However, it is not the current document change authority for the document(s).
Application Data	ASME Y14.34- 2008		The next assembly (ies), and the model number, nomenclature, or equivalent designator of the assembled unit(s), of which a part or assembly is a component.
Application Environment	EIA-649A		The set of conditions in which the product is designed to be used.
Application Environment	NASA-STD-0005 09-29-2008		The set of conditions in which the product is designed for use.
Application List	ASME Y14.34- 2008	AL	Application data presented in a separate list.
Application Model	GEIA-STD-927- 2007	AM	A data model that represents information used for some particular purpose or information domain. NOTE: As used in this document, an AM will generally be the information model contained in or implied by an established standard, process, or tool used somewhere within the complex systems acquisition domain
Application Profiles for Computer Graphics Metafile	MIL-STD-1840C		A set of specifications (beyond that in the published standard) appropriate to a particular environment. The goal of an application profile is to eliminate implementation dependencies and to provide for the effective and unambiguous use of a standard.
Application Protocol	MIL-STD-1840C	AP	Defines the context for the use of product data and specifies the use of the standard in that context to satisfy an industrial need.
Application Reference Model	GEIA-STD-927- 2007	ARM	An information model that represents structure of information used for some particular purpose. NOTE: This is a term generally used in the STEP community to denote the abstract information model from which a data standard is derived.
Application Subset for Initial Graphics Exchange Specification (IGES)	MIL-STD-1840C		A defined set of specific entity types which are used to completely and unambiguously represent the information requirements for a particular application.
Approval	ASME Y14.34- 2008		An indication that the document meets requirements for preparation and content.
Approval	ASME Y14.35M- 1997 (R2008)		An endorsement applied manually or electronically attesting to the correctness of a document or a revision made on a document.

TERM	SOURCE	ACRONYM	DEFINITION
Approval	EIA-649A		Authorization from a designated authority that a product, process, or information is complete and suitable for its use.
Approval	GEIA-859-2004		Same as EIA-649A
Approval	MIL-HDBK-61A		The agreement that an item is complete and suitable for its intended use.
Approval	NASA-STD-0005 09-29-2008		Authorization from a designated authority that a product, process, or information is complete and suitable for use.
Approval Authority	EIA-836B		The organization (and commonly, a person) authorized to approve: • A configuration change to a product. • Changes to product-defining and other support documents. • Release (or cancellation) of documents for use anywhere or in a specific program. • Committal of resources.
Approval Authority	GEIA-859-2004		Designated entity with the authority to approve, disapprove, or otherwise disposition a change request and directs its implementation. that a product
Approval Indicator	ASME Y14.34- 2008		Any symbol adopted by the design activity to indicate approval
Approval Indicator	ASME Y14.35M- 1997 (R2008)		Any symbol adopted by the design activity to indicate approval
Approved	EIA-649A		A state signifying approval.
Approved	GEIA-859-2004		Same as EIA-649A
Approved	NASA-STD-0005 09-29-2008		Within the context of CM: A state signifying approval of a proposed or completed action, or of a process, or of a particular document/data. (See also Disapproved.)
Approved Data	MIL-HDBK-61A		See Approved Document.
Approved Document	MIL-HDBK-61A		Document that has been approved by an appropriate authority and is the official (identified) version of the document until replaced by another approved version.
Architecture	GEIA-STD-927- 2007		The overall design or structure of a system.
Archive	GEIA-859-2004		A place where public records, documents, etc., are stored; the act of storing records.
Archived Data	EIA-649A		Information that has been retained for historical purposes and that can be retrieved and is usable over the time designated for retention.
Archived Data	MIL-HDBK-61A		See Archived Document.
Archived Document	MIL-HDBK-61A		Released or approved Document that is to be retained for historical purposes.
Archived information	GEIA-859-2004		Information that has been retained for historical purposes and that can be retrieved and is usable.

TERM	SOURCE	ACRONYM	DEFINITION
Archived Information	NASA-STD-0005 09-29-2008		Information that has been retained for historical purposes and that can be retrieved and is usable over the time designated for retention.
Array	MIL-STD-1840C		An n-dimensional ordered set of data items identified by a single name and one or more indices, so that each element is individually addressable.
Artwork master	ASME Y14.24- 1999 (R2004)		An accurately scaled, usually 1:1, pattern that is used to produce the production master.
As Applicable	ASME Y14.24- 1999 (R2004)		The term as applicable is intended to require inclusion of those data elements necessary to establish the engineering definition or end product requirements
As-built	NIRMA CM 1.0 JAN 2007		Documentation or data verified by physical inspection as depicting the current physical configuration within specified tolerances and verified as consistent with the design requirements, e.g., Piping and Instrument Diagrams.
As-built documentation	DOE-STD-1073- 2003		Documentation (for example, Piping and Instrument Diagrams. and database records) verified by physical inspection as depicting the actual physical configuration and verified as consistent with the design requirements.
As-designed	NIRMA CM 1.0 JAN 2007		Facility Configuration Information that describes the facility configuration based on approved, but not yet implemented changes.
As-Found	DOE-STD-1073- 2003		Information, often in the form of marked-up documents that reflects the actual physical configuration and identifies any discrepancies with currently approved facility documentation.
Assembly	ASME Y14.100- 2004		A number of parts or combination thereof that are joined together to perform a specific function and subject to disassembly without degradation of any of the parts. (e.g., power shovel-front, fan assembly, audio-frequency amplifier). NOTE: The distinction between an assembly and a subassembly is determined by individual application. An assembly in one instance may be a subassembly in another instance where it forms a portion of a higher assembly.
Assembly	ASME Y14.24- 1999 (R2004)		A number of parts or subassemblies or any combination thereof joined together to perform a specific function, and subject to disassembly without degradation of any of the parts. (Examples: power shovel-front, fan assembly, audio frequency amplifier.) NOTE: The distinction between an assembly and a subassembly is determined by individual application. An assembly in one instance may be a subassembly in another instance where it forms a portion of a higher assembly.
Assembly	MIL-HDBK-505 12 FEB 1998	ASSY	A number of parts or subassemblies or any combination thereof joined together to perform a specific function capable of disassembly.
Assembly	MIL-HDBK-61A		A number of basic parts or subassemblies, or any combination thereof, joined together to perform a specific function. Typical examples are: electric generator, audio-frequency amplifier, power supply.

TERM	SOURCE	ACRONYM	DEFINITION
Assessment	DOE-STD-1073-2003		For engineering applications, the process of estimating the value of something using authoritative expert judgment based upon observations of representative cases and rough calculations, rather than determining the exact value based upon comprehensive and detailed examinations. and precise and rigorous complete calculations
Assign	EIA-632 JAN 1999 (R2003)		Designate a function, product, process, or other item as accountable for a particular purpose.
Associated Data	ASME Y14.24-1999 (R2004)		Any document referenced on an engineering drawing that establishes some portion of the engineering requirements
Associated Documents	ASME Y14.35M-1997 (R2008)		General reference to documentation supportive of and directly related to drawing content, such as Parts Lists, Data Lists, Index Lists, Wiring Lists and Application Lists.
Associated List	ASME Y14.100-2004		A tabulation of engineering information pertaining to an item depicted on an engineering drawing or by a set of drawings. (e.g., parts, data, index, wire, and application lists). (ASME Y14.34-2008)
Associated List	ASME Y14.24-1999 (R2004)		A tabulation of engineering information pertaining to an item depicted on an engineering drawing or by a set of drawings. For example: parts list, data list, and index list.
Associated List	ASME Y14.34-2008		A tabulation of engineering information pertaining to an item depicted on an engineering drawing or by a set of drawings, e.g., application list, data list, index list, parts list, and wire list
Associated List	EIA-836B		A tabulation of engineering information pertaining to an item that is depicted on an engineering drawing or by a set of drawings (e.g., parts list, data list, and index list).
Associated List	MIL-STD-31000		A tabulation of engineering information pertaining to an item depicted on an engineering drawing or on a set of drawings. For example: parts list, data list, and index list. (See ASME Y14.34).
Associated processes	EIA-632 JAN 1999 (R2003)		Processes that enable one or more end products to be put into service, maintained in service, or disposed at the end of service. See 3.1.1 and 6.1.
Association	EIA-836B		A <i>named property</i> whose instances identify a relationship with a referenced <i>object</i> . (Modeling Language)
Attachment	MIL-HDBK-505 12 FEB 1998		An item used for physical connection to an assembly, unit, or set, contributing to the effectiveness thereof by extending or varying the basic function of the assembly, unit, or set. (Examples: Hoisting attachment a truck, milling attachment for a lathe.)
Attribute	EIA-836B		A <i>named property</i> whose instances describe a range of <i>values</i> that a <i>feature</i> may take. (Modeling Language)
Attribute	GEIA-859-2004		Information related to a particular data element

TERM	SOURCE	ACRONYM	DEFINITION
Attribute	GEIA-STD-927-2007		A property or characteristic of one or more objects; for example, COLOR, WEIGHT, SEX; also, a property inherent in an entity or associated with that entity for database purposes.
Attributes	EIA-649A		See product attribute(s).
Attributes	MIL-HDBK-61A		See Physical Characteristics.
Attributes	NASA-STD-0005 09-29-2008		See "Product Attribute(s)."
Audit	ISO/IEC 12207:2008(E)		independent assessment of software products and processes conducted by an authorized person in order to assess compliance with requirements
Authorization agreement	DOE-STD-1073-2003		A documented agreement between DOE and the contractor for high-hazard facilities (Hazard Category 1 and 2), incorporating the results of DOE's review of the contractor's proposed authorization basis for a defined scope of work. The authorization agreement contains key terms and conditions (controls and commitments) under which the contractor is authorized to perform the work.
Authorization Basis	DOE-STD-1073-2003		Those aspects of the facility design basis considered important to the safety of facility operations and therefore relied on by DOE to authorize operation. The authorization basis is described in documents such as the facility documented safety analysis and other safety analyses, hazard classification documents, the Technical Safety Requirements, DOE-issued safety evaluation reports, and facility-specific commitments made in order to satisfy DOE Orders or policies.
Authorization Basis Information	NIRMA CM 1.0 JAN 2007		Those aspects of the Facility Configuration Information relied upon by the agency that authorizes or licenses facility construction and operation, (e.g., DOE or NRC) to understand the proposed facility configuration. It is not the entire licensing or authorization basis for the facility. Authorization basis information is described in documents such as the facility Safety Analysis Report, other safety analyses, hazard classification documents, the Technical Specifications or Technical Safety Requirements, and facility specific commitments made to satisfy requirements of the authorizing agency. (Also referred to as Licensing Basis Information)
Baseline	EIA-649A		See configuration baseline.
Baseline	EIA-836B		Information that identifies and establishes the attributes of a Product captured at a specific point in time, for a specific reason (snapshot)
Baseline	GEIA-859-2004		Agreed-to information that identifies and establishes the attributes of a product at a point in time, which serves as basis for defining change.
Baseline	ISO/IEC 12207:2008(E)		specification or product that has been formally reviewed and agreed upon, that thereafter serves as the basis for further development, and that can be changed only through formal change control procedures

TERM	SOURCE	ACRONYM	DEFINITION
Baseline	NASA-STD-0005 09-29-2008		See "Configuration Baseline."
Bill of Information	GEIA-859-2004	BOI	The information and relationships that document the entire life cycle of a product; includes the associated project information (administrative, contractual, technical, and financial data) and its location.
Block Change Concept	NASA-STD-0005 09-29-2008		For hardware CIs, an engineering change implementation concept that designates a number (i.e., a block) of consecutive production units of the CI to have an identical configuration on delivery and in operation. Use of this concept production run is divided into "blocks" of units. The production incorporation point for a proposed ECP is delayed to coincide with the first unit of the next block, or retrofit is required at least for all units of the current block already delivered. For computer software CIs, once the product baseline has been established, the concept requires the accumulation and the simultaneous implementation of several routine software changes to minimize the number of interim versions and related documentation.
Bottom-Up	GEIA-STD-927- 2007		A modeling method in which detailed attributes and behaviors of a system are studied as the basis for abstraction to form a generalized model describing a class of system. NOTE 1: See also: top-down
Building Block	EIA-632 JAN 1999 (R2003)		A representation of the conceptual framework of a system that is used for organizing the requirements, work, and other information associated with the engineering of a system. An element in the structured decomposition of the system.
Bulk Items	ASME Y14.100- 2004		those constituents of an assembly or part (such as oil, wax, solder, cement, ink, damping fluid, grease, flux, welding rod, twine, or chain) that satisfy one or more of the following criteria: the quantity required cannot readily be predetermined; the physical nature of the material is such that it is not adaptable to pictorial representation; the finished size is obtainable through use of such tools as shears, pliers, or knives, without further machining operation; and the final configuration is such that it can be described in writing without the necessity of pictorial representation.

TERM	SOURCE	ACRONYM	DEFINITION
Bulk Items	ASME Y14.34-2008		Those constituents of an assembly or part, such as oil, wax, cement, ink, grease, flux, welding rod, twine, or chain, that satisfy one or more of the following criteria: (a) the quantity required cannot readily be predetermined; (b) the physical nature of the material is such that it is not adaptable to pictorial representation; (c) the finished size is obtainable through use of such tools as shears, pliers, or knives, without further machining operation (d) the final configuration is such that it can be described in writing without the necessity of pictorial representation.
Burn-in	ASME Y14.24-1999 (R2004)		To operate electronic items under specified environmental and test conditions to eliminate early failures and to stabilize the items prior to actual use.
Business context	GEIA-859-2004		The whole situation, background, or environment relevant to a particular organization or business.
Business rules	GEIA-859-2004		The policies, practices, and procedures that drive day-to-day business activity and define a way of doing business.
CAGE Code (Commercial and Government Entity Code)	ASME Y14.34-2008		A five character code that provides a unique activity identifier used by the government for activity identification. This method of activity identification has also been widely adopted by industry. Refer to Cataloging Handbook H4/H8 (see ASME Y14.100)
Canceled Drawing	ASME Y14.35M-1997 (R2008)		A drawing which has been removed from the drawing system and the part or assembly shown on the drawing is removed from all next assembly usage. Drawings, which have been superseded or become obsolete, are also considered to be canceled drawings.
Cardinality	EIA-836B		A set of <i>values</i> that indicate the minimum and maximum number of times a <i>property</i> can occur. (Modeling Language)
Change	ASME Y14.35M-1997 (R2008)		A specific alteration made to a drawing or associated document as part of a revision.
Change	DOE-STD-1073-2003		Any alteration or addition, temporary or permanent, to the facility physical configuration, facility documentation, or design requirements is considered to constitute a change. Changes not within current design requirements involve design changes. Identical replacements are not changes.
Change	EIA-649A		See Configuration Change
Change	NASA-STD-0005 09-29-2008		See "Configuration Change."

TERM	SOURCE	ACRONYM	DEFINITION
Change Approval Authority	EIA-649A		The activity (and, commonly, a person or persons) authorized to approve any configuration change to a product and to commit resources for its implementation.
Change Authority	GEIA-859-2004		Designated entity with the authority to approve, disapprove, or otherwise disposition a change request and direct its implementation.
Change Board	EIA-836B		A group, comprised of technical and administrative representatives, who review and recommend approval or disapproval to the Change Board Chair, of proposed changes and variances to a configuration item and its supporting documentation.
Change Board Charter	EIA-836B		A Document that defines the name, responsibilities, functions, and organization of a Change Board, to include the board membership and each member's responsibilities within the Change Board
Change Board Minutes	EIA-836B		A Document that records Change Board business information, including the disposition of Change Requests and the assignment and status of Action Items.
Change Control	DOE-STD-1073-2003		A process that ensures all changes are properly identified, reviewed, approved, implemented, tested, and documented.
Change control	ISO 10007:2003(E)		activities for control of the product after formal approval of its product configuration information
Change control package	DOE-STD-1073-2003		The change control package is the documentation that accompanies a change to a facility, activity, or operation from the planning and initiation through completion of the implementation and testing.
Change traveler	DOE-STD-1073-2003		A form used to transmit the change control package
Change Verification Record	EIA-836B		A Document that identifies that a change has been implemented and verified
Characteristic	EIA-836B		1. A <i>named value</i> , e.g. color - green. 2. A type of <i>property</i> whose instances describe a <i>feature</i> of a <i>primary datatype</i> . (Modeling Language)
Characteristic Type	EIA-836B		One of the following indicators: "decimal", "boolean", "string", "date", "duration", "time", "dateTime", "any", "integer", "base64Binary", "none", "code", "anyURI". (Modeling Language)
Class	EIA-836B		A <i>named</i> description of a set of things that share the same <i>properties</i> and relationships. (Modeling Language)

TERM	SOURCE	ACRONYM	DEFINITION
Class	GEIA-STD-927-2007		The representation in a model of a set of objects whose members are similar in some way. NOTE: The similarity could be in terms of one or more of: properties, behavior, relationships to other objects, or semantics.
Class	MIL-STD-961E W/CHANGE 1		An additional categorization of differences in characteristics other than that afforded by type classification. It does not constitute a difference in quality or grade, but is for specific, equally important uses, and is usually designated by Arabic numerals, such as, "class 1 " or "class 2."
Classified Object	EIA-836B		An unnamed <i>property</i> whose instance identifies an <i>object</i> that is a member of a <i>classifier object</i> . (Modeling Language)
Classifier	EIA-836B		A <i>characteristic</i> of certain <i>elements</i> (<i>object</i> , <i>part</i> , <i>datatype</i>) whose presence signifies that its <i>properties</i> are alternate means of representing the <i>element</i> . (Modeling Language)
CM Performance Indicators	NIRMA CM 1.0 JAN 2007		Defined parameters of the CM process that can be used to gauge the effectiveness of the process.
Code List Name	EIA-836B		A <i>property</i> of a <i>Unified Code List</i> whose instances define an entry in the list. (Modeling Language)
Cognizant system engineer	DOE-STD-1073-2003		The engineer assigned technical responsibility for a particular system, who coordinates technical activities related to the assigned system. The Cognizant System Engineer has technical understanding of the system requirements design, operation, testing and maintenance. The Cognizant System Engineer ensures that relevant documents, such as system design descriptions, technical drawings, diagrams, lists, and procedures for surveillance, testing and maintenance are complete, accurate, and up to date. The Cognizant System Engineer may also keep vendor technical information and appropriate files concerning system history of repairs, modifications, operational problems, and other unique conditions or circumstances. Equivalent terms include: cognizant engineer, system engineer, system specialist, and subject matter expert.
Commercial and Government Entity (CAGE) Code	ASME Y14.100-2004		A five-character code that provides a unique activity identifier that is used by the Government for activity identification, This method of activity identification has also been widely adopted by industry. (CAGE Codes are listed in Cataloging Handbook H4/H8. Cataloging Handbook H4/H8 is available at the Defense Logistics Services Center, Federal Center, Battle Creek, MI 49017-3084)

TERM	SOURCE	ACRONYM	DEFINITION
Commercial and Government Entity (Cage) Code	ASME Y14.24-1999 (R2004)		A five character code listed in Cataloging Handbook H4/H8, Commercial and Government Entity (CAGE) Code, that is assigned to commercial and Government activities that manufacture or develop items, or provide services or supplies for the Government. When used with a drawing number or part number, the CAGE Code designates the design activity from whose series the drawing or part number is assigned. The CAGE Code was previously called "manufacturer's code," "code identification number," or "Federal Supply Code for Manufacturer's (FSCM)."
Commercial and Government Entity (Cage) Code	ASME Y14.35M-1997 (R2008)		A five character code listed in Cataloging Handbook H4/H8, Commercial and Government Entity (CAGE) Code, which is assigned to commercial and Government activities that manufacture or develop items, or provide services or supplies for the Government. When used with a drawing number or part number, the CAGE code designates the design activity from whose series the drawing or part number is assigned. The CAGE code was previously called "manufacturers code", or "Federal Supply Code for Manufacturer's (FSCM)" (ASME Y14.24). For the commercial sector where there is no requirement for the Commercial and Government Entity (CAGE) code, the CAGE code block may be eliminated.
Commercial and Government Entity (CAGE) Code	MIL-STD-1840C		A five character code, listed in Cataloging Handbook H4/H8, which is assigned to commercial and Government activities that manufacture items, develop items, or provide services or supplies for the Government. When used with a drawing number or part number, the CAGE Code designates the design activity from whose series the drawing or part number is assigned.
Commercial and Government Entity (CAGE) Code	NASA-STD-0005 09-29-2008		A five-character code, listed in Cataloging Handbook H4/H8, which is assigned to commercial and government activities that manufacture or develop items, or provide services or supplies for the Government. When used with a drawing number or part number, the CAGE code designates the design activity that the drawing or part number is assigned.
Commercial and Government Entity Code	MIL-STD-31000	CAGE	A five-character code listed in Cataloging Handbook H4/H8. Commercial and Government Entity (CAGE) code, which is assigned to commercial and Government activities that manufacture or develop items or provide services or supplies for the Government. When used with a drawing number or part number, the CAGE code designates the design activity from whose series the drawing or part number is assigned. The CAGE code was previously called manufacturer's code, code identification number or Federal Supply Code for Manufacturers (FSCM).

TERM	SOURCE	ACRONYM	DEFINITION
Commercial drawings	MIL-STD-31000		Drawings prepared by a commercial design activity, in accordance with that activity's documentation standards and practices, to support the development and manufacture of a commercially developed acquired by the Government.
Commercial item	ASME Y14.24-1999 (R2004)		a product, material, component, subsystem, or system sold or traded to the general public in the course of normal business operations at prices based on established catalog or market prices.
Commercial item	MIL-STD-31000		A product, material, code, component, subsystem, or system sold or traded to the general public in the course of normal business operations at prices based on established catalog or market prices. (FAR 2.101)
Company Standard	ASME Y14.100-2004		a document produced by a company that establishes engineering and technical limitations and applications for items, materials, processes, methods, designs, and engineering practices unique to that particular company.
Company Standard	MIL-STD-31000		A company document which establishes engineering and technical limitations and applications for items, materials, processes, methods, designs and engineering practices unique to that company. (NOTE: Company standards are not considered to be Non-Government Standards)
Compatibility ECP	NASA-STD-0005 09-29-2008		An ECP prepared to achieve consistency in the baseline. Compatibility ECP is required when changes to either the hardware or software product result in incompatibility with support equipment, trainers, or training devices/equipment. The compatibility ECP assures that changes, to one CI that affects another CI or CSCI, are accomplished to maintain consistent Functional, Allocated, and Product baselines, including testing and operational requirements.
Competent Manufacturer	MIL-STD-31000		A manufacturer that has demonstrated the capability to produce similar products at the same state of the art in the same or similar lines of technology.
Component	EIA-836B		A <i>named property</i> whose instances describe a set of related <i>properties</i> . (Modeling Language)
Component (electrical)	MIL-STD-1840C		Items that are usually packaged as an indivisible unit to be assembled on a board or substrate. Examples include integrated circuits, resistors, capacitors, inductors, transformers, discrete transistors, DIP switches, fuses, and encapsulated relays.
Composition	MIL-STD-961E W/CHANGE 1		A term is used in classifying commodities that are differentiated strictly by their respective chemical composition, which is designated in accordance with accepted trade practice.
Comprehensive search	DOE-STD-1073-2003		A process through which broad spectrums of documents that may contain design information are identified, retrieved, and evaluated. Key steps involve locating and screening documents that may contain design information and reviewing them to extract design information.

TERM	SOURCE	ACRONYM	DEFINITION
Computer database	MIL-HDBK-61A		See Database.
Computer Database	NASA-STD-0005 09-29-2008		See "Database."
Computer Graphics Metafile	MIL-STD-1840C	CGM	The specification for a mechanism for storing and transferring picture description information.
Computer Program/Software	ASME Y14.24- 1999 (R2004)		A series of instructions which direct a computer to perform a sequence of operations that produce a desired output. This program may be stored on one or more physical media such as optical disk, magnetic tape, magnetic disks, or punched cards. The terms computer program and computer software are used synonymously.
Computer software	MIL-HDBK-61A		See Software.
Computer software	MIL-STD-31000		Computer programs, source code, source code listings, object code listings, design details, algorithms, processes, flow charts, formulae and related material that would enable the software to be reproduced, recreated, or recompiled. Computer software does not include computer data bases or computer software documentation. (DFARS Clause 252.227-7014)
Computer Software	NASA-STD-0005 09-29-2008		See "Software."
Computer Software Configuration Item	MIL-HDBK-61A	CSCI	A configuration item that is computer software.
Computer software documentation	MIL-HDBK-61A		Technical data or information, including computer listings, regardless of media, which document the requirements, design, or details of computer software; explain the capabilities and limitations of the software; or provide operating instructions for using or supporting computer software.
Computer Software Documentation	MIL-STD-31000		Owners manuals, user's manuals, installation instructions, operating instructions, and other similar items, regardless of storage medium, that explain the capabilities of the computer software or provide instructions for using the software. (DFARS Clause 252.227-7014) ISO/IEC Standard 12207 uses the term "software life cycle data" to address software documentation.
Conceptual design data	MIL-STD-31000		Data such as drawings or 3-Dimensional (3D) models, which describe the engineering concepts on which a proposed technology or design approach is based.

TERM	SOURCE	ACRONYM	DEFINITION
Concession	ISO 10007:2003(E)		permission to use or release a product that does not conform to specified requirements NOTE 1 A concession is generally limited to the delivery of the product that has nonconforming characteristics within specified limits for an agreed time or quantity of that product. [ISO 9000:2000, definition 3.6.11] NOTE 2 Concessions do not affect the configuration baseline (3.4) and include permission to produce a product that does not conform to specified requirements. NOTE 3 Some organizations use terms such as “waivers” or “deviations” instead of “concession”.
Configuration	DOD-STD-1073-2003		Configuration is the combination of the physical, functional, and operational characteristics of the structures, systems, and components (SSCs) or parts of the existing facility, operation, or activity. (NQA-1)
Configuration	EIA-649A		(1) The product attributes of an existing or planned product, or a combination of products; (2) one of a series of sequentially-created variations of a product.-
Configuration	ISO 10007:2003(E)		interrelated functional and physical characteristics of a product defined in product configuration information
Configuration	MIL-HDBK-61A		The performance, functional, and physical attributes of an existing or planned product, or a combination of products.
Configuration	NASA-STD-0005 09-29-2008		a. The product attributes of an existing or planned product, or a combination of products. b. One of a series of sequentially created variations of a product.
Configuration Activities	NASA-STD-0005 09-29-2008		The series of tasks defined in CMP and CM Procedures that are accomplished by CM organizations to implement this Standard.
Configuration Audit	EIA-649A		The CM function that reviews processes and products to validate compliance with requirements, and verifies that products have achieved their required attributes and conform to released product definition information. Configuration audits may be divided into separate functional and physical configuration audits.
Configuration Audit	EIA-836B		The configuration management function that reviews processes and products to verify and validate compliance with requirements, and verifies that products have achieved their required attributes and conform to released product configuration definition information.
Configuration audit	IAEA-TECDOC-1335 JAN 2003		A formal examination to verify that all configuration items identified have achieved the performance specified in the configuration documentation, and to verify that as-built and processed configuration conforms to configuration documents. (ISO 10007) [1].

TERM	SOURCE	ACRONYM	DEFINITION
Configuration audit	MIL-HDBK-61A		See: Functional Configuration Audit (FCA), and Physical Configuration Audit (PCA).
Configuration Audit	NASA-STD-0005 09-29-2008		The CM function that reviews processes and products to validate compliance with requirements and verifies that products have achieved the required attributes and conform to released product definition information. Configuration audits may be divided into separate functional and physical configuration audits.
Configuration Audit Plan	EIA-836B		A Document that formulates an approach for accomplishing a Configuration Audit
Configuration Audit Report	EIA-836B		A Document that records the results of a Configuration Audit
Configuration Baseline	DOE-STD-1073- 2003		A configuration baseline consists of all approved documents that represent the definition of the product at a specific point. (ISO 10007:1995(E))
Configuration Baseline	EIA-649A		Agreed-to information that identifies and establishes the attributes of a product at a point in time and that serves as basis for defining change.
Configuration baseline	IAEA-TECDOC- 1335 JAN 2003		See "Operational configuration".
Configuration Baseline	ISO 10007:2003 (E)		approved product configuration information that establishes the characteristics of a product at a point in time that serves as reference for activities throughout the life cycle of the product

TERM	SOURCE	ACRONYM	DEFINITION
Configuration Baseline	NASA-STD-0005 09-29-2008		Approved information that identifies and establishes the attributes of a product at a point in time and serves as a basis for defining change. Approved information that identifies and establishes the attributes of a product at a point in time and serves as a basis for defining change. The technical requirements of a program/project/CI as approved by the responsible CCB at a specific time during the life cycle and recorded in a configuration identification document or set of documents and all approved changes. There are three basic NASA baselines as indicated below: (1) FCD: NASA Programs/Centers/Organizations generate the documentation required for the Functional Baseline. The FCD should be in the form of a specification for a system, plus other applicable documentation (for example, interface requirements specifications and ICDs for the system). For programs involving the development of a single CI, a system specification should not be generated; however, the end-item specification should be used for the FCD. The FCD should also identify the configuration documentation for selected items that are to be integrated or interfaced with the CI, such as items separately developed or currently in the inventory. The functional baseline is the approved functional configuration documentation. (2) ACD: NASA Programs/Centers/Organizations generate the documentation required for the Allocated Baseline. The ACD should define requirements allocated from the FCD or from a higher-level CI to a lower-level CI. The ACD for the CI should be in the form of an item or software requirements specification and other referenced documentation (for example, ICDs, Interface Requirements Specifications item or software requirements specifications for lower-level CI(s), if any). For programs involving the development of a single CI, the CI specifications may serve as both the functional or allocated baselines. The allocated baseline is the approved allocated configuration documentation. (3) PCD: NASA Programs/Centers/Organizations generate the documentation required for the Product Baseline. The PCD should be in the form of an item, software, material and process specifications, engineering drawings, software listings, software design documentation, military specifications, and other technical documentation composing a complete technical data package for the CI. The PCD may also be in the form of the actual equipment or software media or both. The PCD should prescribe the necessary physical and functional characteristics of the CI and the verifications required to demonstrate required performance. The product baseline is the approved product configuration documentation.

TERM	SOURCE	ACRONYM	DEFINITION
Configuration baseline (baseline)	MIL-HDBK-61A		(1) An agreed-to description of the attributes of a product, at a point in time, which serves as a basis for defining change. (2) An approved and released document or a set of documents, each of a specific revision. The purpose of which is to provide a defined basis for managing change. (3) The currently approved and released configuration documentation. (4) A released set of files comprising a software version and associated configuration documentation. See: Allocated Baseline (ABL), Functional Baseline (FBL), and Product Baseline (PBL).
Configuration board	DOE-STD-1073-2003		See "Configuration control board"
Configuration change	EIA-649A		An alteration to a product and/or its product configuration information (as documented in a request for change).
Configuration change	GEIA-859-2004		An alteration to a product and/or its product configuration information
Configuration Change	NASA-STD-0005 09-29-2008		An alteration to a product or its product configuration information or both.
Configuration Change Management	EIA-649A		The CM function that ensures changes to a configuration baseline are properly identified, recorded, evaluated, approved or disapproved, and incorporated and verified as appropriate.
Configuration Change Management:	NASA-STD-0005 09-29-2008		The CM function that ensures changes to a configuration baseline are: a. Identified properly, recorded, evaluated, approved or disapproved. b. Incorporated. c. Verified as appropriate.
Configuration control	IAEA-TECDOC-1335 JAN 2003		Control of changes after initial establishment of configuration documents (ISO 10007) [1]
Configuration control	MIL-HDBK-61A		(1) A systematic process that ensures that changes to released configuration documentation are properly identified, documented, evaluated for impact, approved by an appropriate level of authority, incorporated, and verified. (2) The configuration management activity concerning: the systematic proposal, justification, evaluation, coordination, and disposition of proposed changes; and the implementation of all approved and released changes into (a) the applicable configurations of a product, (b) associated product information, and (c) supporting and interfacing products and their associated product information.
Configuration control board	DOE-STD-1073-2003		The Configuration Control Board is a collection of technical, management, and administrative experts assigned the authority and responsibility to make decisions on the configuration and its management.

TERM	SOURCE	ACRONYM	DEFINITION
Configuration Control Board	MIL-HDBK-61A	CCB	A board composed of technical and administrative representatives who recommend approval or disapproval of proposed engineering changes to, and proposed deviations from, a CI's current approved configuration documentation.
Configuration Control Board	NASA-STD-0005 09-29-2008		A collection of mission personnel who act to review and evaluate configuration changes proposed against mission products; not a voting entity, has formal records, issues direction to enterprise organizations for implementation of configuration changes, chaired by management authority in accordance with a defined charter, staffed by CMO personnel who provide administrative function; controls engineering release authority.
Configuration Control Board Directive	MIL-HDBK-61A	CCBD	The document that records the Engineering Change Proposal (ECP) approval (or disapproval) decision of the CCB and that provides the direction to the contracting activity either to incorporate the ECP into the contract for performing activity implementation or to communicate the disapproval to the performing activity.
Configuration documentation	MIL-HDBK-61A		Technical documentation, the primary purpose of which is to identify and define a product's performance, functional, and physical attributes (e.g., specifications, drawings). (See also: Allocated Configuration Documentation [ACD], Functional Configuration Documentation [FCD], and Product Configuration Documentation [PCD].)
Configuration Documentation:	NASA-STD-0005 09-29-2008		The technical documentation that identifies and defines the item's functional and physical characteristics. The configuration documentation is developed, approved, and maintained through three distinct levels of detail. The three levels of configuration documentation are the functional configuration documentation, the allocated configuration documentation, and the product configuration documentation.
Configuration Identification	EIA-649A		The CM function which (1) establishes a structure for products and product configuration information; (2) selects, defines, documents and baselines product attributes; and (3) assigns unique identifiers to each product and product configuration information.
Configuration identification	IAEA-TECDOC- 1335 JAN 2003		Determination of the hardware, software, processed material, services included in the plant configuration definition, as well as of their physical, functional interface, and changes documentation. (ISO 10007) [10].

TERM	SOURCE	ACRONYM	DEFINITION
Configuration identification	MIL-HDBK-61A		(1) The systematic process of selecting the product attributes, organizing associated information about the attributes, and stating the attributes. (2) Unique identifiers for a product and its configuration documents. (3) The configuration management activity that encompasses the selection of CIs; the determination of the types of configuration documentation required for each CI; the issuance of numbers and other identifiers affixed to the CIs and to the technical documentation that defines the CI's configuration; the release of CIs and their associated configuration documentation; and the establishment of configuration baselines for CIs.
Configuration Identification	NASA-STD-0005 09-29-2008		The CM function which: a. Establishes a structure for products and product configuration information. b. Selects, defines, documents, and baselines product attributes. c. Assigns unique identifiers to each product and product configuration information.
Configuration Identification Numbers	NASA-STD-0005 09-29-2008		Numbers that, individually or in combination, permit accurate selection of the configuration required to perform a given function. These numbers may include: a. Specification identification numbers. b. CI numbers. c. Drawing and part numbers. d. Engineering change identification numbers. e. CAGE code numbers. f. Serial numbers. g. Lot numbers.
Configuration information	IAEA-TECDOC- 1335 JAN 2003		See "Facility configuration information".
Configuration Item	EIA-836B		An aggregation of hardware, software, firmware, or any discrete portion thereof, that satisfies an end use function and is designated for separate configuration management.
Configuration Item	ISO 10007:2003- (E)	CI	entity within a configuration that satisfies an end use function
Configuration Item	ISO/IEC 12207:2008(E)		entity within a configuration that satisfies an end use function and that can be uniquely identified at a given reference point

TERM	SOURCE	ACRONYM	DEFINITION
Configuration Item	MIL-HDBK-61A	CI	A Configuration Item is any hardware, software, or combination of both that satisfies an end use function and is designated for separate configuration management. Configuration items are typically referred to by an alphanumeric identifier which also serves as the unchanging base for the assignment of serial numbers to uniquely identify individual units of the CI. (See also: Product-Tracking Base-Identifier.) Note: The terms "CI" and "Product" are identified as aliases in EIA 649 and are used interchangeably within this handbook.
Configuration Item	MIL-STD-31000		A product or an aggregation of products that accomplishes an end-use function and is deemed important enough to require separate configuration management documentation and control.
Configuration Management	NIRMA CM 1.0 JAN 2007	CM	The systematic approach for identifying, documenting, and changing the characteristics of a facility's structures, systems and components and ensuring that conformance is maintained between the Design Requirements, Physical Configuration and Facility Configuration Information.
Configuration Management	DOE-STD-1073-2003	CM	Configuration management is a disciplined process that involves both management and technical direction to establish and document the design requirements and the physical configuration of the nuclear facility and to ensure that they remain consistent with each other and the documentation.
Configuration Management	EIA-632 JAN 1999 (R2003)		A management process for establishing and maintaining consistency of a product's performance, functional, and physical attributes with its requirements, design and operational information throughout its life.
Configuration Management	EIA-649A	CM	A process that establishes and maintains consistency of a product's attributes with its requirements and product configuration information throughout the product's life cycle.
Configuration Management	GEIA-859-2004		Same as EIA-649A
Configuration management	IAEA-TECDOC-1335 JAN 2003	CM	The process of identifying and documenting the characteristics of a facility's structures, systems and components (including computer systems and software), and of ensuring that changes to these characteristics are properly developed, assessed, approved, issued, implemented, verified, recorded and incorporated into the facility documentation.
Configuration Management	ISO 10007:2003(E)	CM	coordinated activities to direct and control configuration NOTE Configuration management generally concentrates on technical and organizational activities that establish and maintain control of a product and its product configuration information throughout the life cycle of the product.

TERM	SOURCE	ACRONYM	DEFINITION
Configuration Management	MIL-HDBK-61A	CM	A management process for establishing and maintaining consistency of a product's performance, functional, and physical attributes with its requirements, design and operational information throughout its life.
Configuration Management	NASA-STD-0005 09-29-2008	CM	A process that establishes and maintains consistency of a product's attributes with the requirements and product configuration information throughout the product's life cycle.
Configuration Management Equilibrium	NIRMA CM 1.0 JAN 2007		A state that represents conformance of the three elements: Design Requirements, Physical Configuration, and Facility Configuration
Configuration Management Organization	NASA-STD-0005 09-29-2008	CMO	The functional organization chartered to define, plan, and execute CM principles and requirements. This office provides continuing service to NASA Programs/Projects/Centers and Supplier management organizations. When used in this Standard, CMO refers to a collaborative effort between NASA Programs/Projects/Centers and Suppliers. Unless the task being described is clearly a function of the Program/Project/Center CMO, the imperative "shall" is used to ensure implementation of the requirement by the Supplier's CMO.
Configuration Management Performance Indicators	NIRMA CM 1.0 JAN 2007		See CM Performance Indicators
Configuration Management Plan	EIA-836B		A Document that defines how configuration management will be implemented.
Configuration Management Plan	MIL-HDBK-61A	CMP	The document defining how configuration management will be implemented (including policies and procedures) for a particular acquisition or program.
Configuration management structures, systems and components	DOE-STD-1073- 2003	CM SSC	CM SSCs are the set of structures, systems, and components that are managed under the configuration management process when changes are proposed and implemented. At a minimum, the CM SSCs include the safety SSCs as identified in the documented safety analysis, the Vital Safety System SSCs and other defense-in-depth SSCs
Configuration Status Accounting	EIA-649A	CSA	The CM function managing the capture and maintenance of product configuration information necessary to account for the configuration of a product throughout the products life cycle.
Configuration status accounting	IAEA-TECDOC- 1335 JAN 2003		Formalized recording and reporting of the configuration documents, the status of proposed changes, and status of the implementation of approved changes. (ISO 10007) [5].
Configuration Status Accounting	ISO 10007:2003(E)	CSA	Formalized recording and reporting of product configuration information, the status of proposed changes and the status of the implementation of approved changes.
Configuration Status Accounting	MIL-HDBK-61A	CSA	The configuration management activity concerning capture and storage of, and access to, configuration information needed to manage products and product information effectively.

TERM	SOURCE	ACRONYM	DEFINITION
Configuration Status Accounting	NASA-STD-0005 09-29-2008	CSA	The CM function managing the capture and maintenance of product configuration information necessary to account for the configuration of a product throughout the product's life cycle.
Configuration Verification	EIA-649A		The CM function which ascertains that a product has achieved consistency and accuracy of its product requirements and product configuration information.
Configuration Verification	NASA-STD-0005 09-29-2008		The CM function that ascertains that a product has achieved consistency and accuracy of the product requirements and product configuration information.
Constraint	EIA-632 JAN 1999 (R2003)		(1) A restriction, limit, or regulation imposed on a product, project, or process. (2) A type of requirement or design feature that cannot be traded off.
Content	MIL-STD-963B		The desired subject(s), topic(s), or element (s) which constitutes the data product described in the DID (for example, a string of defined data elements for entry into a Government database, a listing of paragraph titles or topics for inclusion in a data deliverable) under general topics or subject matter which may be further defined into sub-topics.
Contract	ASME Y14.100- 2004		a mutually binding legal relationship obligating the seller to furnish the supplies or services (including construction) and buyer to pay for them. It includes all types of commitments that obligate the procuring activity to an expenditure of appropriated funds and that, except as otherwise authorized, are in writing. In addition to bilateral instruments, contracts include, but are not limited to, awards and notices of awards; job orders or task letters issued under basic ordering agreements; letter contracts; orders, such as purchase orders, under which the contract becomes effective by written acceptance or performance; and bilateral contract modifications.
Contract	EIA-836B		Information about an agreement between two or more trading partners setting forth deliverables and performance.
Contract	GEIA-859-2004		Any formal agreement between two companies; a government agency and a company, or departments within an organization. Examples of such agreements are interdepartmental work authorizations and memorandums of agreement.
Contract	ISO/IEC 12207:2008(E)		binding agreement between two parties, especially enforceable by law, or a similar internal agreement wholly within an organization
Contract	MIL-HDBK-61A		As used herein, denotes the document (for example, contract, memorandum of agreement/understanding, purchase order) used to implement an agreement between a tasking activity (<i>e.g.</i> , <i>buyer</i>) and a performing activity (<i>e.g.</i> , <i>seller</i>).

TERM	SOURCE	ACRONYM	DEFINITION
Contract	MIL-STD-963B		A mutually binding legal relationship obligating the seller to furnish the supplies or services and the buyer to pay for them. It includes all types of commitments that obligate the Government to an expenditure of appropriated funds and that, except as otherwise authorized, are in writing. In addition to bilateral instruments, contracts include (but are not limited to) awards and notices of awards; job orders or task letters issued under basic ordering agreements; letter contracts; orders, such as purchase orders, under which the contract becomes effective by written acceptance or performance; and bilateral contract modifications.
Contract Data Requirements List (CDRL) DD Form 1423	DOD 5010.12-M (May 93)		The standard format for identifying potential data requirements in a solicitation and deliverable data requirements in a contract.
Contract Data Requirements List (CDRL), DD Form 1423	MIL-STD-963B	CDRL	The standard format for identifying potential data requirements in a solicitation, and deliverable data items in a contract.
Contractor	ASME Y14.100-2004		an individual, partnership, company, corporation, association, or other service having a contract for the design, development, manufacture, maintenance, modification, or supply of items under the terms of a contract.
Contractor	MIL-STD-963B		An individual or organization outside the Government that has accepted any type of agreement or order for providing research, supplies, or services to a Government Agency.
Contractual acceptance of data	MIL-HDBK-61A		The action taken by the tasking activity signifying that an item submitted or delivered by the performing activity complies with the requirements of the contract.
Contractual Data Requirement	DOD 5010.12-M (May 93)		A requirement, identified in a solicitation and imposed in a contract or order that addresses any aspect of data; i.e., that portion of a contractual tasking requirement associated with the development, generation, preparation, modification, maintenance, storage, retrieval, and/or delivery of data.
Contractual Data Requirement	MIL-STD-963B		A data requirement which applies by virtue of the terms of a contract.
Controlled vocabulary	GEIA-859-2004		A limited set of consistency used and carefully defined terms.
Controlling DOD Office	DOD 5010.12-M (May 93)		The DOD activity that sponsored the work that generates technical data or receives technical data for the Department of Defense therefore, has the responsibility for controlling the distribution of a document containing such technical data. (It should be noted that the controlling DOD office is also responsible for selecting the correct distribution statement and ensuring that it is applied to the technical data prior to initial distribution.)
Coordinated Specification	MIL-STD-961E W/CHANGE 1		A document required by more than one Military Department, Defense Agency, or Civilian Agency and is coordinated with various activities of the interested departments and agencies.

TERM	SOURCE	ACRONYM	DEFINITION
Copy	ASME Y14.100-2004		Any reproduction or duplication in any media, of an original.
Copyright	GEIA-859-2004		A form of protection provided to the authors of "original works of authorship." In the United States, this is provided by U.S. Code, Title 17.
Cosmetic 3D model	MIL-STD-31000		A Computer Aided Design (CAD) 3D model sufficiently defined to provide a visual understanding of the item, but which does not contain full design disclosure. Generally key interface characteristics and features such as weight and center of gravity will be sufficiently defined for the intended purpose. Sometimes referred to as a shrink-wrap, visualization, or limited design disclosure 3D model.
Critical Manufacturing Process	MIL-STD-31000		A process is critical if it is the only known method, which will result in the production of an acceptable item.
Critical Safety Characteristic	ASME Y14.100-2004		Any feature, such as tolerance, finish, material composition, manufacturing, assembly or inspection process or product, which if nonconforming or missing, could cause the failure or malfunction of the critical safety item.
Critical Safety Item	ASME Y14.100-2004	CSI	a part, assembly, installation, or production system with one or more critical characteristics that, if not conforming to the design data or quality requirements, would result in an unsafe condition
Current Design Activity	ASME Y14.100-2004		The design activity currently responsible for the design of an item. This may be the Original Design Activity or a design activity to which the design responsibility has been transferred.
Current Design Activity	ASME Y14.24-1999 (R2004)	CDA	An activity currently having responsibility for the design of an item and the preparation or maintenance of drawings and associated documents. Current design activity could be the original activity or new activity when that responsibility is transferred from another design activity.
Current Design Activity	ASME Y14.34-2008		The design activity currently responsible for the design of an item. This may be the original design activity or a design activity to which the design responsibility has been transferred (see ASME Y14.100)
Current Design Activity	ASME Y14.35M-1997 (R2008)		An activity currently having responsibility for the design of an item, and the preparation or maintenance of drawings and associated documents. Current design activity could be the original activity or now activity when that responsible is transferred from another design activity (ASME Y14.24)

TERM	SOURCE	ACRONYM	DEFINITION
Current Document Change Authority	MIL-HDBK-61A		The authority currently responsible for the content of a drawing, specification, or other document and which is the sole authority for approval of changes to that document. (See also: Application Activity [AA], Approval, Document Custodian Activity.)
Customer	EIA-632 JAN 1999 (R2003)		An individual, organization, or enterprise that (1) commissions the engineering of a system (2) is a prospective purchase of the end products of a system, or portions thereof; or (3) is an acquirer of a product.
Customer	ISO/IEC 12207:2008(E)		Organization or person that receives a product or service NOTE 1 A customer can be internal or external to the organization. NOTE 2 Adapted from ISO 9000; 2005. NOTE 3 Other terms commonly used for customer are acquirer, buyer, and purchaser.
Customer	NASA-STD-0005 09-29-2008		The individual or organization with the need for the system, who has the resources to acquire the system, and who is party to the agreements for the acquisition.
Customer Repair (CR) Item	MIL-HDBK-61A		Any part or assembly which, upon failure or malfunction, is intended to be repaired or reworked by Government personnel (including contract personnel other than the original manufacturer.)
Customer satisfaction	GEIA-859-2004		The fulfillment of the requirements, conditions, expectations, or wishes of any person with whom one is dealing.
Data	DOD 5010.12-M (May 93)		Means recorded information regardless of the form or method of recording. For the purposes of this Manual, the term includes technical data, computer software documentation, financial information, management information and any other information required by a contract to be delivered to the Government.
Data	GEIA-859-2004		Information (e.g., concepts, thoughts, opinions) that has been recorded in a form that is convenient to move or process. Data can be tables of values of various types (numbers, characters, and so on).
Data	GEIA-STD-927-2007		A representation of facts, concepts, or instructions in a formalized manner suitable for communication, interpretation, or processing by humans or by automatic means.
Data	MIL-HDBK-61A		Recorded information of any nature (including administrative, managerial, financial, and technical) regardless of medium or characteristics. (See also: Data item, Document.)
Data	MIL-STD-961E W/CHANGE 1		Recorded information, regardless of form or method of the recording
Data	MIL-STD-963B		Recorded information, regardless of form or characteristics.
Data	NASA-STD-0005 09-29-2008		Recorded information, regardless of medium or characteristics, of any nature, including administrative, managerial, and technical.