

SEPT Evidence Product Checklist

Second Edition



Standard

For Standard ISO/IEC 15288:2008
Systems and Software Engineering-
System Life Cycle Processes

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Checklist



A
Quality
System

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ISO/IEC 15288:2008 System Life Cycle Processes

SEPT Evidence Product Checklist (Second Edition)

Overview of ISO/IEC 15288:2008 Standard

This revised International Standard is an initial step in the SC7 harmonization strategy to achieve a fully integrated suite of system and software life cycle processes and guidance for their application. This revision aligns with the revision to ISO/IEC 12207 within the context of system life cycle processes and applies SC7 guidelines for process definition to support consistency, to improve usability and to align structure, terms, and corresponding organizational and project processes. The processes in this International Standard form a comprehensive set from which an organization can construct system life cycle models appropriate to its products and services. An organization, depending on its purpose, can select and apply an appropriate subset to fulfill that purpose.

ISO/IEC 15288:2008 establishes a common framework for describing the life cycle of systems created by humans. It defines a set of processes and associated terminology. These processes can be applied at any level in the hierarchy of a system's structure. Selected sets of these processes can be applied throughout the life cycle for managing and performing the stages of a system's life cycle. This is accomplished through the involvement of all interested parties, with the ultimate goal of achieving customer satisfaction. This standard also provides processes that support the definition, control and improvement of the life cycle processes used within an organization or a project. Organizations and projects can use these life cycle processes when acquiring and supplying systems. ISO/IEC 15288 concerns those systems that are man-made and may be configured with one or more of the following: hardware, software, data, humans, processes (e.g., processes for providing service to users), procedures (e.g., operator instructions), facilities, materials and naturally occurring entities. When a system element is software, the software life cycle processes documented in ISO/IEC 12207:2008 may be used to implement that system element.

ISO/IEC 15288:2008 and ISO/IEC 12207:2008 are harmonized for concurrent use on a single project or in a single organization.

Revision History

First edition: Original ISO/IEC 15288:2002

Second edition: Incorporated changes from ISO/IEC 15288:2008 update

Checklist Introduction

The process of defining what is necessary for compliance with a system engineering process standard such as “ISO/IEC 15288:2008 System Life Cycle Processes” is often confusing and laborious because the directions contained in the standards are unclear or ambiguous. To aid in determining what is actually “required” by the document in the way of physical evidence of compliance, the experts at SEPT have produced this

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checklist. This checklist is constructed around a classification scheme of physical evidence comprised of policies, procedures, plans, records, documents, audits, and reviews. There must be an accompanying record of some type when an audit or review has been accomplished. This record would define the findings of the review or audit and any corrective action to be taken. **For the sake of brevity this checklist does not call out a separate record for each review or audit. All procedures should be reviewed but the checklist does not call out a review for each procedure, unless the standard calls out the procedure review.** In this checklist “manuals, reports, scripts and specifications” are included in the document category. When the subject standard references another standard for physical evidence, the checklist does not call out the requirements of the referenced standard unless it is a normative reference or the words appear “for further reference”.

SEPT has carefully reviewed the document “ISO/IEC Standard 15288:2008 System Life Cycle Processes” and Amendment 1 and defined the physical evidence required based upon this classification scheme. SEPT has conducted a second review of the complete list to ensure that the documents’ producers did not leave out a physical piece of evidence that a “reasonable person” would expect to find. It could certainly be argued that if the document did not call it out then it is not required; however if the standard was used by an enterprise to improve its process, then it would make sense to recognize missing documents. Therefore, there are documents specified in this checklist that are implied by the standard, though not specifically called out in the document, and they are designated by an asterisk (*) throughout this checklist. If a document is called out more than one time, only the first reference is stipulated.

There are occasional situations in which a procedure or document is not necessarily separate and could be contained within another document. For example, the System Detail Specification Document could be a subset of System Architecture Design Specification Document. SEPT has called out these individual items separately to ensure that the organization does not overlook any facet of physical evidence. If the organization does not require a separate document, and an item can be a subset of another document or record, then this fact should be denoted in the detail section of the checklist for that item. This should be done in the form of a statement reflecting that the information for this document may be found in section XX of Document XYZ. If the organizational requirements do not call for this physical evidence for a particular project, this should also be denoted with a statement reflecting that this physical evidence is not required and why. The reasons for the evidence not being required should be clearly presented in this statement. Further details on this step are provided in the Detail Steps section of the introduction. The size of these documents could vary from paragraphs to volumes depending upon the size and complexity of the system project or business requirements.

General Principles of the ISO/IEC Standard 15288:2008 System Life Cycle Processes Checklist

This checklist was prepared by analyzing each clause of this draft document for the key words that signify a:

- Policy
- Procedure
- Plan
- Records
- Document (Including Manuals, Reports, Scripts and Specifications)
- Audit
- Review

This checklist specifies evidence that is system unique. After reviewing the completed document, the second review was conducted from a common sense “reasonable man” approach. If a document or other piece of evidence appeared to be required, but was not called out in the document, then it is added with an asterisk (*) after its notation in the checklist. The information was transferred into checklist tables, based on the type of product or evidence.

Using the Checklist

When a company is planning to use ISO/IEC Standard 15288:2008 System Life Cycle Processes as their main system process standard, the company should review the evidence checklist. If the company’s present process does not address an ISO/IEC 15288:2008 System Life Cycle Processes product, then this question should be asked: Is the evidence product required for the type of system the business is producing? If in the view of the company the evidence is not required, the rationale should be documented and inserted in the checklist and quality manual. This rationale should pass “*the reasonable person rule.*” If the evidence is required, plans should be prepared to address the missing item(s).

Detail Steps

An enterprise should compare the proposed output of their system project or organization against the checklist. In doing this, they will find one of five conditions that exist for each item listed in the checklist. The following five conditions and the actions required by these conditions are listed in the table.

Condition	Action Required
1. The title of the documented evidence specified by the checklist (document, plan, etc) <i>agrees</i> with the title of the evidence being planned by the enterprise.	Record in checklist that the enterprise is compliant.
2. The title of the documented evidence specified by the checklist (document, etc) <i>disagrees</i> with the title of the evidence planned by the enterprise but the content is the same.	Record in the checklist the evidence title the enterprise uses and record that the enterprise is compliant, and the evidence is the same although the title is different.
3. The title of the documented evidence specified by the checklist (document, etc) is <i>combined</i> with another piece of evidence.	Record in the checklist the title of the evidence (document, etc) in which this information is contained.
4. The title of the documented evidence specified by the checklist (document, etc) <i>is not planned</i> by the enterprise because it is not required.	Record in the checklist that the evidence is not required and the rationale for this decision.
5. The title of the documented evidence called out by the checklist (document, etc) <i>is not planned</i> by the enterprise and <i>should be</i> planned by it.	Record in the checklist when this evidence will be planned and reference a plan for accomplishing the task.

Components of the Checklist

This checklist is composed of 8 sections:

- Section 1. Introduction
- Section 2. Composites of all required and suggested “ISO/IEC 15288:2008 System Life Cycle Processes” evidence products.
- Sections 3-7. Individual checklists for each evidence type.
- Section 8. “About the Authors”

Product Support

All reasonable questions concerning this checklist or its use will be addressed free of charge for 60 days from time of purchase, up to a maximum of 4 hours consultation time.

Warranties and Liability

Software Engineering Process Technology (SEPT) makes no warranties implied or stated with respect to this checklist, and it is provided on an “*as is*” basis. SEPT will have no liability for any indirect, incidental, special or consequential damages or any loss of revenue or profits arising under, or with respect to the use of this document.

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
3.0 Normative references	ISO/IEC 12207:2008 Requirements for Policies and Procedures	ISO/IEC 12207:2008 Requirements for Plans	ISO/IEC 12207:2008 Requirements for Records	ISO/IEC 12207:2008 Requirements for Documents	ISO/IEC 12207:2008 Requirements for Audits - ISO/IEC 12207:2008 Requirements for Reviews
6.0 System Life Cycle Process					
6.1 Agreement Processes					

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.1.1 Acquisition Process	• Accept the Product or Service Document Procedure* • Acquisition Plan Procedure* • Acquisition Policy • Acquisition Procedure • Acquisition Strategy Document Procedure* • Customer - Supplier Agreement Procedure* • Customer-Supplier Agreement Document Procedure*	• Acquisition Plan* • Organization Business Plan* • Payment Plan • Supplier Performance Plan • Supplier Selection Plan*	• Acquisition Records* • Open Item Reports with Description of Problem Record • Payment Records • Performance, Cost and Schedule Problem Report Records* • Potential Supplier Loss Contract Notice Record • Supplier Performance Records* • Supplier Selection Justification Records	• Accept the Product or Service Document • Acquisition Strategy Document • Customer / Supplier Agreement Document • Organization Mission, Vision and Business Goals Document* • Requirements (All) Documents • Technical Data and Intellectual Property Rights Document	• Accept the Product or Service Document Review* • Acquisition Plan Review • Acquisition Strategy Document Review* • Customer / Supplier Agreement Document Review* • Organization Business Plan Review* • Organization Mission, Vision and Business Goals Document Review* • Payment Plan Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.1.1 Acquisition Process (Cont. 1)	• Organization Business Plan Procedure* • Organization Mission, Vision and Business Goals Document Procedure* • Payment Plan Procedure* • Requirements Documents (All) Procedure* • Supplier Performance Plan Procedure* • Supplier Selection Plan Procedure*				• Requirements Documents (All) Review* • Supplier Performance Plan Review* • Supplier Performance Review • Supplier Selection Plan Review* • Technical Data and Intellectual Property Rights Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.1.1 Acquisition Process (Cont. 2)	• Supplier Selection Procedure* • Technical Data and Intellectual Property Rights Document Procedure*	•	•	•	•

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.1.2 Supply Process	• Customer Interface Procedure* • Customer/Supplied Products Procedure* • Joint Customer-Supplier Audits and Review Plan Procedure* • Joint Customer-Supplier Audits and Review Procedure* • Modification and Change Procedure* • Product or Service Delivery Document Procedure*	• Joint Customer - Supplier Audits and Review Plan* • Product or Service Delivery Plan* • Project Plans • Responsibility Transfer Plan*	• Acknowledge Payment or Other Consideration Record • Customer-Supplier Agreement Change Records* • Customer-Supplied Products Records* • Product or Service "Buy Off" Records • Responsibility Transfer Records	• Product or Service Delivery Document* • Responsibility Transfer Document* • Solicitation Response Document • Supplier Strategy Document* • Supplier-Customer Agreement Document	• Joint Customer - Supplier Audits* • Joint Customer - Supplier Audits and Review Plan Review* • Joint Customer - Supplier Review* • Product or Service Request Document Review* • Product or Service Delivery Document Review* • Product or Service Delivery Plan Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.1.2 Supply Process (Cont. 1)	• Product or Service Delivery Plan Procedure* • Product or Service Request Procedure • Project Plans Procedure* • Responsibility Transfer Document Procedure* • Responsibility Transfer Plan Procedure* • Responsibility Transfer Procedure* • Solicitation Response Document Procedure*				• Project Plans Review • Responsibility Transfer Document Review* • Responsibility Transfer Plan Review* • Solicitation Response Document Review* • Supplier Strategy Document Review* • Supplier-Customer Agreement Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.1.2 Supply Process (Cont. 2)	• Supplier Strategy Document Procedure* • Supplier Technical Data and Intellectual Property Rights Policy • Supplier/ Customer Agreement Document Procedure* • Supply Policy				
6.2 Organizational Project – Enabling Processes					

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.1 Life Cycle Model Management Process	• Business Criteria that Control Life Cycle Progression Document Procedure* • Criteria for Entering and Exiting Each Life Cycle Stage Document Procedure* • Life Cycle Review Improvement Plan Procedure • Life Cycle Tailoring Procedure • Process Improvement Procedure	• Life Cycle Review Improvement Plan • System Life Cycle Development Plan • System Life Cycle Transition Phase Plan* • System Methods, Tools, and Techniques Plan	• Life Cycle Review Improvement Opportunities Record • Process Improvement Records • System Life Cycle Transition Phase Records*	• Business Criteria that Control Life Cycle Progression Document* • Criteria for Entering and Exiting Each Life Cycle Stage Document* • Roles, Responsibilities and Authority for Managing the Life Cycle Document* • System Life Cycle "Processes Used" Document • System Methods, Tools, and Techniques Document*	• Business Criteria that Control Life Cycle Progression Document Review • Criteria for Entering and Exiting Each Life Cycle Stage Document Review* • Life Cycle Review • Life Cycle Review Improvement Plan Review* • Roles, Responsibilities and Authority for Managing the Life Cycle Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.1 Life Cycle Model Management Process (Cont. 1)	• Roles, Responsibilities and Authority for Managing the Life Cycle Document Procedure* • Supply Procedure • System Item Identification Procedure* • System Life Cycle "Processes Used" Document Procedure* • System Life Cycle "Processes Used" Policy • System Life Cycle Development Plan Procedure*				• System Life Cycle "Processes Used" Document Review* • System Life Cycle Development Plan Review • System Life Cycle Model Review • System Life Cycle Transition Phase Plan Review* • System Methods, Tools, and Techniques Document Review* • System Methods, Tools, and Techniques Plan Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.1 Life Cycle Model Management Process (Cont. 2)	• System Life Cycle Management Policy • System Life Cycle Management Procedure • System Life Cycle Transition Phase Plan Procedure* • System Methods, Tools, and Techniques Document Procedure* • System Methods, Tools, and Techniques Plan Procedure*				

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.1 Life Cycle Model Management Process (Cont. 3)	System Methods, Tools, and Techniques Procedure*				

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.2 Infrastructure Management Process	• Infrastructure and Services Management Plan Procedure* • Infrastructure and Services Requirements Document Procedure* • Infrastructure Configuration Document Procedure * • Infrastructure Maintenance Plan Procedure* • Infrastructure Resources Availability Plan Procedure* • Infrastructure Resources Identification Document Procedure*	• Infrastructure and Services Management Plan • Infrastructure Maintenance Plan • Infrastructure Resources Availability Plan • Infrastructure Resources Implementation Plan	• Infrastructure Records	• Infrastructure and Services Requirements Document • Infrastructure Configuration Document* • Infrastructure Resources Identification Document	• Infrastructure and Services Management Plan Review* • Infrastructure and Services Requirements Document Review* • Infrastructure Configuration Document Review • Infrastructure Maintenance Plan Review* • Infrastructure Resources Availability Plan Review* • Infrastructure Resources Identification Document Review* • Infrastructure Resources Implementation Plan Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

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6.2.2 Infrastructure Management Process (Cont.1)	Infrastructure Resources Implementation Plan Procedure*				

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.3 Project Portfolio Management Process	• Audit Procedure (All Types) • New Business Opportunities Document Procedure* • Project Goals, Objectives, and Outcomes Document Procedure* • Project Multi-Project Interface and Dependencies Document Procedure* • Project Reporting and Milestone Review Requirements Document Procedure*	• Project Team Structure and Operating Roles Plan • Resource and Schedule Plan	• Project Cancellation or Suspend Record • Project Closure Record • Project Start Authorization Record	• New Business Opportunities Document* • Project Goals, Objectives, and Outcomes Document • Project Multi-Project Interface and Dependencies Document • Project Reporting and Milestone Review Requirements Document	• New Business Opportunities Document Review* • Process Improvement Review • Project Goals, Objectives, and Outcomes Document Review* • Project Management Review* • Project Multi-Project Interface and Dependencies Document Review* • Project Reporting and Milestone Review Requirements Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.3 Project Portfolio Management Process (Cont.1)	• Project Team Structure and Operating Roles Plan Procedure* • Resource and Schedule Plan Procedure*				• Project Resource and Schedule Review • Project Team Structure and Operating Roles Plan Review* • Resource and Schedule Plan Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.4 Human Resource Management Process	• Knowledge Management Strategy Document Procedure* • Project Skills Availability Plan Procedure* • Project Skills Requirement Document Procedure* • Skill Conflict Resolution Process Procedure • Skills Development Plan Procedure*	• Project Skills Availability Plan • Skills Development Plan	• Skills Development Records • Skills of Project Personnel Records	• Knowledge Management Strategy Document • Project Skills Requirement Document	• Knowledge Management Strategy Document Review* • Project Skills Availability Plan Review • Project Skills Requirement Document Review* • Skills Development Plan Review*

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6.2.5 Quality Management Process	• Corrective Action for Quality Management Goals Plan Procedure* • Quality Goals Document Procedure* • Quality Management Document Procedure* • Quality Management Objectives Document Procedure* • Quality Management Policy • Quality Management Procedure • Quality Standards Documents Procedure*	• Corrective Action for Quality Management Goals Plan	• Corrective Action Results Records • Customer Satisfaction Reports Records • Quality Cost Data Records* • Quality Records*	• Quality Goals Document* • Quality Management Document • Quality Management Objectives Document • Quality Standards Documents • Responsibility and Authority for Implementation of Quality Management Document	• Corrective Action for Quality Management Goals Plan Review* • Quality Goals Document Review* • Quality Improvement Review • Quality Management Document Review* • Quality Management Objectives Document Review* • Quality Plan Review • Quality Standards Documents Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.2.5 Quality Management Process (Cont, 1)	Responsibility and Authority for Implementation of Quality Management Document Procedure*				Responsibility and Authority for Implementation of Quality Management Document Review*
6.3 Project Processes	System Life Cycle Activities and Tasks Mapping Document Procedure*		System Methods, Tools, and Techniques Used Records	System Life Cycle Activities and Tasks Mapping Document*	System Life Cycle Activities and Tasks Mapping Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.1 Project Planning Process	- Acquisition of Material and Services From Outside the Project Plan Procedure* - Audit Plan Procedure - Corrective and Preventive Action Procedure* - Documentation Plan Procedure* Enterprise Environment Management Process Policy* - Infrastructure Plan Procedure* - Infrastructure Procedure* - Installation Plan Procedure*	- Acquisition of Material and Services From Outside the Project Plan - Audit Plan* - Documentation Plan - Infrastructure Plan* - Installation Plan* - Integration Plan * - Migration Plan* - Problem Resolution Plan* - Process Assessment Plan - Process Improvement Plan - Project Management Plan	- Process Assessment Records - Project Authorization Record - Project Records* - Request for Resources to Perform the Project Record - Review (All) Records*	- Life Cycle Process Application Strategy Document* - Life Cycle Stage Criteria, Decision Gates, Delivery Dates, and Major Dependencies Document - Organizational Project-Enabling Process Strategy Document* - Organizational Technical Management Strategy Document* - Process Tailoring Strategy Document*	- Acquisition of Material and Services From Outside the Project Plan Review* - Audit Plan Review* - Documentation Plan Review* - Infrastructure Plan Review* - Installation Plan Review* - Integration Plan Review* - Life Cycle Process Application Strategy Document Review*

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.1 Project Planning Process (Cont. 1)	• Integration Plan Procedure* • Investment Management Policy* • Life Cycle Process Application Strategy Document Procedure* • Life Cycle Stage Criteria, Decision Gates, Delivery Dates, and Major Dependencies Document Procedure* • Migration Plan Procedure* • Organizational Project-Enabling Process Strategy Document Procedure*	• Quality Plan • Safety Plan * • Security Plan* • Sub-Contractors Management Plan* • System Acceptance Plan* • System Concept Plan • System Decision Gate Plan* • System Hazard Analysis Plan* • System Life Cycle Organization Plan* • System Qualification Plan • Technical Management Plan		• Project Cost and Budget Document • Project Schedule Document • Project Scope, Objectives and Constraints Document • Project Structure, Authority, and Responsibility Document • Work Breakdown Structure Document	• Life Cycle Stage Criteria, Decision Gates, Delivery Dates, and Major Dependencies Document Review* • Migration Plan Review* • Organizational Project-Enabling Process Strategy Document Review* • Organizational Technical Management Strategy Document Review* • Problem Resolution Plan Review*

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.1 Project Planning Process (Cont. 2)	• Organizational Technical Management Strategy Document Procedure* • Problem Resolution Plan Procedure* • Process Assessment Plan Procedure* • Process Assessment Policy • Process Assessment Procedure* • Process Improvement Plan Procedure* • Process Improvement Procedure				• Process Assessment Plan Review* • Process Assessment Review* • Process Improvement Plan Review* • Process Tailoring Strategy Document Review • Project Cost and Budget Document Review* • Project Management Plan Review* • Project Schedule Document Review* • Project Scope, Objectives and Constraints Document Review*

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.1 Project Planning Process(Cont. 3)	• Process Tailoring Strategy Document Procedure* • Project Assessment Policy* • Project Assessment Procedure • Project Cost and Budget Document Procedure* • Project Management Plan Procedure* • Project Management Policy* • Project Management Procedure* • Project Planning Policy				• Project Structure, Authority, and Responsibility Document Review* • Safety Plan Review* • Security Plan Review* • Sub-Contractors Management Plan Review* • System Acceptance Plan Review* • System Concept Plan Review* • System Decision Gate Plan Review* • System Hazard Analysis Plan Review*

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.1 Project Planning Process (Cont. 4)	• Project Planning Procedure* • Project Schedule Document Procedure* • Project Scope, Objectives and Constraints Document Procedure* • Project Structure, Authority, and Responsibility Document Procedure* • Quality Plan Procedure • Resource Management Policy* • Review (All) Procedure • Safety Plan Procedure*				• System Life Cycle Organization Plan Review* • System Qualification Plan Review* • Technical Management Plan Review* • Technical Management Review • Work Breakdown Structure Document Review*

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.1 Project Planning Process(Cont. 5)	• Security Plan Procedure* • Sub-Contractors Management Plan Procedure* • System Acceptance Plan Procedure* • System Concept Plan Procedure* • System Decision Gate Plan Procedure* • System Hazard Analysis Plan Procedure* • System Life Cycle Organization Plan Procedure*				

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.1 Project Planning Process (Cont. 6)	• System Qualification Plan Procedure* • Technical Management Plan Procedure* • Work Breakdown Structure Document Procedure*				

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.2 Project Assessment and Control Process	• Process Assessment Policy* • Project Closure Document Procedure* • Project Planning Policy* • Quality Assurance Procedure		• Audit Records • Authorization to Proceed to Next Milestone Record* • Corrective Action Reports Records • Deviation Reports • Problem Resolution (All) Records • Project Closure Records • Project Progress Records • Project Status Reports Records • Project Team Structure and Operating Roles Review Records	• Project Closure Document	• Critical Process Review • Infrastructure Review • Milestone Audits • New Technologies Review • Project Closure Document Review* • System Development Audit • Technical Review

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.2 Project Assessment and Control Process (Cont.1)			• Quality Assurance Records • Readiness Inspection Records		
6.3.3 Decision Management Process	• Decision Management Policy • Decision Management Process Procedure • Decision Management Strategy Document Procedure*		• "Major" Decisions Records	• Decision Management Strategy Document	• Decision Management Strategy Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.4 Risk Management Process	• “Lessons Learned” Document Procedure* • ISO/IEC 16085 Requirements for Policies and Procedures* • Risk Management Document Procedure* • Risk Management Improvement Procedure • Risk Management Plan Procedure* • Risk Management Policy • Risk Management Procedure	• ISO/IEC 16085 Requirements for Plans* • Risk Management Plan	• “Lessons Learned” (ALL) Records • Evaluation of Effectiveness of the Risk Controls Methods -- Records • ISO/IEC 16085 Requirements for Records* • Preliminary Risk Analysis Records* • Requirements Used to Control the Risk – Records* • Risk Action Request Records • Risk Profile Records	• “Lessons Learned” Document* • ISO/IEC 16085 Requirements for Documents* • Risk Management Document • Risk Management Summary Document* • Risk Management Threshold and Condition Document • Risk Profile Document • System Hazard Identification and Analysis Document*	• “Lessons Learned” Document Review* • ISO/IEC 16085 Requirements for Audits* • ISO/IEC 16085 Requirements for Reviews* • Risk Management Document Review* • Risk Management File Audit* • Risk Management Plan Review* • Risk Management Process Review

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ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.4 Risk Management Process (Cont. 1)	• Risk Management Summary Document Procedure* • Risk Management Threshold and Condition Document Procedure* • Risk Profile Document Procedure* • Risk Profile Procedure* • System Hazard Identification and Analysis Document Procedure* • System Hazard Identification Summary Document Procedure*		• System Hazard Identification and Associated Risk Records*	• System Hazard Identification Summary Document*	• Risk Management Summary Document Review* • Risk Management Threshold and Condition Document Review* • Risk Profile Document Review* • Risk Treatment Review • System Hazard Identification and Analysis Document Review* • System Hazard Identification Summary Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.5 Configuration Management Process	• Configuration Item Baseline Document Procedure* • Configuration Management Plan Procedure* • Configuration Management Policy • Configuration Management Procedure • Configuration Management Strategy Document Procedure* • ISO 10007 Requirements for Policies and Procedures* • Items Under Configuration Control Document Procedure*	• Configuration Management Plan* • ISO 10007 Requirements for Plans*	• Configuration Management Records • Configuration Management Status Records • ISO 10007 Requirements for Records* • System Design Baseline Record	• Configuration Item Baseline Document • Configuration Management Strategy Document • ISO 10007 Requirements for Documents* • Items Under Configuration Control Document • Traceability (All) Document	• Configuration Audit • Configuration Item Baseline Document Review* • Configuration Management Plan Review* • Configuration Management Strategy Document Review* • ISO 10007 Requirements for Audits* • ISO 10007 Requirements for Reviews* • Items Under Configuration Control Document Review* • Traceability Document (All) Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.5 Configuration Management Process (Cont. 1)	Traceability Document (All) Procedure*				

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.6 Information Management Processes	• Document Retention Procedure • Documentation Procedure • Format, Retention, Transmission and Retrieval Information Specification Document Procedure* • Information Management Plan Procedure* • Information Management Policy • Information Management Procedures • ISO 15289 Requirements for Policies and Procedures*	• Information Management Plan • ISO 15289 Requirements for Plans*	• Documentation Records • Documents to Be Under Configuration Control Records* • ISO 15289 Requirements for Records*	• Format, Retention, Transmission and Retrieval Information Specification Document • ISO 15289 Requirements for Documents*	• Documentation Audit • Documentation Reviews* • Format, Retention, Transmission and Retrieval Information Specification Document Review* • Information Management Plan Review* • ISO 15289 Requirements for Audits* • ISO 15289 Requirements for Reviews*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.3.7 Measurement Process	• ISO 9001 - 2000 Requirements for Policies and Procedures* • ISO/IEC 15939 Requirements for Policies and Procedures* • Measurement Process Plan Procedure*	• ISO 9001 - 2000 Requirements for Plans* • ISO/IEC 15939 Requirements for Plans* • Measurement Process Plan	• ISO 9001 - 2000 Requirements for Records* • ISO/IEC 15939 Requirements for Records* • Measurement Experience Bases Records* • Measurement Process Improvement Records • Measurement Process Records	• ISO 9001 - 2000 Requirements for Documents* • ISO/IEC 15939 Requirements for Documents*	• ISO 9001 - 2000 Requirements for Audits* • ISO 9001 - 2000 Requirements for Reviews* • ISO/IEC 15939 Requirements for Audits* • ISO/IEC 15939 Requirements for Reviews* • Measurement Activity Review • Measurement Process Plan Review*
6.4 Technical Process					

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* Recommended item

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.1 Stakeholder Requirement Definition Process	• Constraints Caused by Prior Decisions Document Procedure* • Human-Factors Requirements Document Procedure* • Interaction Between the User and System Requirements Document Procedure* • ISO 13407 Requirements for Policies and Procedures* • ISO 9241-11 Requirements for Policies and Procedures* • ISO/IEC 25030 Requirements for Policies and Procedures*	• ISO 13407 Requirements for Plans* • ISO 9241-11 Requirements for Plans* • ISO/IEC 25030 Requirements for Plans* • ISO/IEC 9126 Requirements for Plans* • Requirement Definition Plan*	• ISO 13407 Requirements for Records* • ISO 9241-11 Requirements for Records* • ISO/IEC 25030 Requirements for Records • ISO/IEC 9126 Requirements for Records* • Requirements Specification Records • Resolve Stakeholder Requirements Issue Records • Traceability (All) Records	• Constraints Caused by Prior Decisions Document • Human-Factors Requirements Document* • Interaction Between the User and System Requirements Document • ISO 13407 Requirements for Documents* • ISO 9241-11 Requirements for Documents* • ISO/IEC 25030 Requirements for Documents*	• Constraints Caused by Prior Decisions Document Review* • Human-Factors Requirements Document Review* • Interaction Between the User and System Requirements Document Review* • ISO 13407 Requirements for Audits* • ISO 13407 Requirements for Reviews • ISO 9241-11 Requirements for Audits* • ISO 9241-11 Requirements for Reviews*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.1 Stakeholder Requirement Definition Process (Cont. 1)	• ISO/IEC 9126 Requirements for Policies and Procedures* • Representative Set of Sequenced Activity Required to Delivery Service Document Procedure* • Requirement Analysis Procedure* • Requirement Definition Plan Procedure* • Requirement Definition Process Policy • Requirement Definition Process Procedure*			• ISO/IEC 9126 Requirements for Documents* • Representative Set of Sequenced Activity Required to Delivery Service Document • Stakeholder Requirements Validation Document	• ISO/IEC 25030 Requirements for Audits* • ISO/IEC 25030 Requirements for Reviews* • ISO/IEC 9126 Requirements for Audits* • ISO/IEC 9126 Requirements for Reviews* • Representative Set of Sequenced Activity Required to Delivery Service Document Review* • Requirement Definition Plan Review* • Requirements Ambiguity Review

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.1 Stakeholder Requirement Definition Process (Cont. 2)	• Stakeholder Requirement Policy • Stakeholder Requirement Definition Procedure • Stakeholder Requirements Validation Document Procedure*				• Requirements Review* • Stakeholder Requirement Definition Review* • Stakeholder Requirements Validation Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.2 Requirements Analysis Process	- Functional Specification Document Procedure* - IEC 61508 Requirements for Policies and Procedures* - ISO 14001 Requirements for Policies and Procedures* - Safety Requirements Document Procedure* - Security Requirements Document Procedure* - System Architecture Constraints Document Procedure*	- IEC 61508 Requirements for Plans* - ISO 14001 Requirements for Plans*	- Conformation that Stakeholders Requirements are Adequate Record - IEC 61508 Requirements for Records* - Implementation Constraint Record - ISO 14001 Requirements for Records*	- Functional Specification Document - IEC 61508 Requirements for Documents* - ISO 14001 Requirements for Documents* - Safety Requirements Document - Security Requirements Document - System Architecture Constraints Document - System Architecture Requirement Document - System Health Requirement Document	- Functional Specification Document Review* IEC 61508 Requirements for Audits* - IEC 61508 Requirements for Reviews* ISO 14001 Requirements for Audits* - ISO 14001 Requirements for Reviews* - Safety Requirements Document Review* - Security Requirements Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.2 Requirements Analysis Process (Cont. 1)	• System Architecture Requirement Document Procedure* • System Health Requirement Document Procedure* • System Reliability Requirement Document Procedure* • System Requirements Specification Document Procedure* • System Requirements Traceability to Stakeholder Requirements Document Procedure*			• System Reliability Requirement Document • System Requirements Specification Document • System Requirements Traceability to Stakeholder Requirements Document • System Requirements Verification Document • System Supportability Requirement Document • Technical and Quality Measure for Technical Achievement Document	• System Architecture Constraints Document Review* • System Architecture Requirement Document Review* • System Health Requirement Document Review* • System Reliability Requirement Document Review* • System Requirements Specification Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.2 Requirements Analysis Process (Cont. 2)	• System Requirements Verification Document Procedure* • System Supportability Requirement Document Procedure* • Technical and Quality Measure for Technical Achievement Document Procedure*				• System Requirements Traceability to Stakeholder Requirements Document Review* • System Requirements Verification Document Review* • System Supportability Requirement Document Review* • Technical and Quality Measure for Technical Achievement Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.3 Architectural Design Process	• Available "Off-The-Shelf" Elements that Satisfy System Components Document Procedure* • Functional Specification Plan Procedure* • ISO/IEC 42010 Requirements for Policies and Procedures* • System Allocation Document Procedure* • System Architecture Design Specification Document Procedure* • System Architecture Policy	• Functional Specification Plan* • ISO/IEC 42010 Requirements for Plans*	• Design Decisions Records • Functional Specification Records* • ISO/IEC 42010 Requirements for Records* • System Architecture Design Specification Records • System Design Architectural Baseline Record • System Element Records	• Available "Off-The-Shelf" Elements that Satisfy System Components Document • ISO/IEC 42010 Requirements for Documents* • System Allocation Document • System Architecture Design Specification Document • System Element Integration Document • System Element Verification Document	• Available "Off-The-Shelf" Elements that Satisfy System Components Document Review* • Functional Specification Plan Review* • ISO/IEC 42010 Requirements for Audits • ISO/IEC 42010 Requirements for Reviews* • System Allocation Document Review • System Architecture Design Specification Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.3 Architectural Design Process (Cont.1)	• System Architecture Procedure • System Element Integration Document Procedure* • System Element Verification Document Procedure* • System Interface Document Procedure* • System Requirements Allocated to Operators Document Procedure • Trade Studies Document Procedure*			• System Interface Document • System Requirements Allocated to Operators Document • Trade Studies Document	• System Element Integration Document Review* • System Element Verification Document Review* • System Interface Document Review* • System Requirements Allocated to Operators Document Review • Trade Studies Document Review*

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ISO/IEC 15288:2008 Evidence Products Checklist by Clause

ISO/IEC 15288:2008 Clause Number and Name	Policies and Procedures	Plans	Records	Documents	Audits and Reviews
6.4.4 Implementation Process	• Implementation Policy • Implementation Procedure • Implementation Strategy Document Procedure* • Implementation Technology Constraints on Design Document Procedure* • System Detail Design Specification Document Procedure* • System Handling, Protecting, and Storing Procedure • System Installation Document Procedure*		• Integration Test Records* • Residual Hazards Records* • Storage Records • System Safety Measures Used Records* • System or System Elements Certified to Meet All Specifications Internal and External Records • User Support Records*	• Implementation Strategy Document • Implementation Technology Constraints on Design Document • System Detail Design Specification Document • System Installation Document* • User Manuals Document*	• Implementation Strategy Document Review* • Implementation Technology Constraints on Design Document Review* • Interface Design Review • System Detail Design Specification Document Review* • System Installation Document Review* • System Design Review* • System Product Release Audit*

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