Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)		
<b>Prepare for integration</b> a)5. Identify constraints for integration to be incorporated in the system/software requirements, architecture or design.	6.4.8.3 a)5	None	None of activities and tasks is mapped.		
<b>Perform integration</b> b)1. Obtain im- plemented software system elements in accordance with agreed schedules.	6.4.8.3 b)1	None	None of activities and tasks is mapped.		
<b>Perform integration</b> b)2. Integrate the implemented elements.	6.4.8.3 b)2	6.4.5.3.1.1	<b>Integration</b> 1.1 The software config- uration items shall be integrated, with hardware configuration items, manual op- erations, and other systems as necessary, into the system.		
	6.4.8.3 b)2	7.1.6.3.1.2	<b>Software integration</b> 2.1 The imple- menter shall integrate the software units and software components and test as the aggregates are developed in accordance with the integration plan.		
<b>Perform integration</b> b)3. Check that the integrated software interfaces or functions run from initiation to an expected termination within an expected range of data values.	6.4.8.3 b)3	6.4.5.3.1.1	<b>Integration</b> 1.2 The aggregates shall be tested, as they are developed, against their requirements.		
	6.4.8.3 b)3	6.4.5.3.2.1	<b>Test readiness</b> 1.2 The developer shall ensure that the integrated system is ready for System Qualification Testing.		
	6.4.8.3 b)3	7.1.6.3.1.2	<b>Software integration</b> 2.2 It shall be ensured that each aggregate satisfies the requirements of the software item and that the software item is integrated at the conclusion of the integration activity. NOTE A regression strategy should be developed to be applied for re-verifying the software items when a change is made to software units (including associated requirements, design and code).		
	6.4.8.3 b)3	7.1.6.3.1.4	<b>Software integration</b> 4.1-1 The imple- menter shall develop [and document] for each qualification requirement of the soft- ware item a set of tests, test cases (inputs, outputs, test criteria), and test procedures for conducting Software Qualification Testing.		
	6.4.8.3 b)3	7.1.6.3.1.4	<b>Software integration</b> 4.2 The developer shall ensure that the integrated software item is ready for Software Qualification Testing.		
<sup>a</sup> Any requirements in ISO/IEC/IEEE 12207 that include the word 'document' form part of the workload handled by the Information Management process. See also ISO/IEC/IEEE 15289.					

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Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)		
<b>Perform integration</b> b)3. Check that the integrated software interfaces or functions run from initiation to an expected termination within an expected range of data values.	6.4.8.3 b)3	7.1.6.3.1.5	<b>Software integration</b> 5.1 The implement- er shall evaluate the integration plan, design, code, tests, test results, and user documentation considering the criteria listed below. a) Traceability to the system requirements. b) External consistency with the system requirements. c) Internal consistency. d) Test coverage of the re- quirements of the software item. e) Appro- priateness of test standards and methods used. f) Conformance to expected results. g) Feasibility of software qualification testing. h) Feasibility of operation and maintenance.		
	6.4.8.3 b)3	7.1.6.3.1.6	<b>Software integration</b> 6. The implementer shall conduct review(s) in accordance with subclause 7.2.6.		
<b>Manage results of integration</b> c)1. Record integration results and anomalies encountered.	6.4.8.3 c)1	6.4.5.3.1.1	<b>Integration</b> 1.3 The integration and the test results shall be documented.		
	6.4.8.3 c)1	7.1.5.3.1.3	7.1.5 Software Construction Process- 3.1 <b>Software construction</b> 3. The implement- er shall update the user documentation as necessary.		
	6.4.8.3 c)1	7.1.6.3.1.2	<b>Software integration</b> 2.3 The integration and test results shall be documented.		
	6.4.8.3 c)1	7.1.6.3.1.5	<b>Software integration</b> 5.2 The results of the evaluations shall be documented.		
	6.4.8.3 c)1	7.1.6.3.1.6	<b>Software integration</b> 6. The implementer shall conduct review(s) in accordance with subclause 7.2.6.		
Manage results of integration c)2. Maintain traceability of the integrated software system elements.	6.4.8.3 c)2	6.4.5.3.1.1	<b>Integration</b> 1.2 The aggregates shall be tested, as they are developed, against their requirements.		
	6.4.8.3 c)2	6.4.5.3.1.1	<b>Integration</b> 1.3 The integration and the test results shall be documented.		
	6.4.8.3 c)2	7.1.5.3.1.3	<b>Software construction</b> 3. The implementer shall update the user documentation as necessary.		
	6.4.8.3 c)2	7.1.6.3.1.3	<b>Software integration</b> 3. The implementer shall update the user documentation as necessary.		
<sup>a</sup> Any requirements in ISO/IEC/IEEE 12207 that include the word 'document' form part of the workload handled by the Information Management process. See also ISO/IEC/IEEE 15289.					

## Table 3 (continued)

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Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)		
	6.4.8.3 c)2	7.1.6.3.1.5	<b>Software integration</b> 5.1 The implementer shall evaluate the integration plan, design, code, tests, test results, and user documentation considering the criteria listed below. a) Traceability to the system requirements. b) External consistency with the system requirements. c) Internal consistency. d) Test coverage of the requirements of the software item. e) Appropriateness of test standards and methods used. f) Conformance to expected results. g) Feasibility of software qualification testing. h) Feasibility of operation and maintenance.		
	6.4.8.3 c)2	7.1.6.3.1.5	<b>Software integration</b> 5.2 The results of the evaluations shall be documented.		
<b>Manage results of integration</b> c)2. Maintain traceability of the integrated software system elements.	6.4.8.3 c)2	7.1.7.3.1.2	7.1.7 Software Qualification Testing Pro- cess- 3.1 <b>Software qualification testing</b> 2. The implementer shall update the user documentation as necessary.		
<b>Manage results of integration</b> c)3. Pro- vide key artifacts and information items that have been selected for baselines.	6.4.8.3 c)3	6.4.5.3.1.1	<b>Integration</b> 1.3 The integration and the test results shall be documented.		
	6.4.8.3 c)3	7.1.5.3.1.3	<b>Software construction</b> 3. The implementer shall update the user documentation as necessary.		
	6.4.8.3 c)3	7.1.6.3.1.1	<b>Integration</b> 1.3 The plan shall be documented.		
	6.4.8.3 c)3	7.1.6.3.1.2	<b>Software integration</b> 2.3 The integration and test results shall be documented.		
	6.4.8.3 c)3	7.1.6.3.1.3	<b>Software integration</b> 3. The implementer shall update the user documentation as necessary.		
	6.4.8.3 c)3	7.1.6.3.1.4	<b>Software integration</b> 4.1-2 The imple- menter shall [develop and] document for each qualification requirement of the soft- ware item a set of tests, test cases (inputs, outputs, test criteria), and test procedures for conducting Software Qualification Testing.		
	6.4.8.3 c)3	7.1.6.3.1.5	<b>Software integration</b> 5.2 The results of the evaluations shall be documented.		
	6.4.8.3 c)3	7.1.7.3.1.2	<b>Software qualification testing</b> 2. The implementer shall update the user documentation as necessary.		
<sup>a</sup> Any requirements in ISO/IEC/IEEE 12207 that include the word 'document' form part of the workload handled by the Information Management process. See also ISO/IEC/IEEE 15289.					

# Table 3 (continued)

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Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)
6.4.9 Verification process			
Prepare for verification a)1. Define the verification strategy, which includes the following: i) Identify the verification scope, including the software system, element, or artifact, the properties to be verified, and the expected results. ii) Identify the constraints that potentially limit the feasibility of verification actions. iii) Identify verification priorities.	6.4.9.3 a)1	7.1.7.3.1.4	7.1.7 Software Qualification Testing pro- cess- 3.1 <b>Software qualification testing</b> 4.3 If both hardware and software are under development or integration, the audits may be postponed until the System Qualification Testing.
	6.4.9.3 a)1	7.2.4.3.1.1	7.2.4 Software Verification Process- 3.1 <b>Process implementation</b> 1.1 A determination shall be made if the project warrants a verification effort and the degree of organizational independence of that effort needed.
	6.4.9.3 a)1	7.2.4.3.1.1	<b>Process implementation</b> 1.2 The project requirements shall be analyzed for criticality. Criticality may be gauged in terms of: a) The potential of an undetected error in a system or software requirement for causing death or personal injury, mission failure, or financial or catastrophic equipment loss or damage. b) The maturity of and risks associated with the software technology to be used. c) Availability of funds and resources.
	6.4.9.3 a)1	7.2.4.3.1.2	<b>Process implementation</b> 2. If the project warrants a verification effort, a verification process shall be established to verify the software product.
	6.4.9.3 a)1	7.2.4.3.1.3	<b>Process implementation</b> 3.1 If the pro- ject warrants an independent verification effort, a qualified organization responsi- ble for conducting the verification shall be selected.
	6.4.9.3 a)1	7.2.4.3.1.3	<b>Process implementation</b> 3.2 This organ- ization shall be assured of the independ- ence and authority to perform the verifica- tion activities.
	6.4.9.3 a)1	7.2.4.3.1.4	<b>Process implementation</b> 4.1 Based upon the scope, magnitude, complexity, and criticality analysis above, target life cycle activities and software products requiring verification shall be determined.
	6.4.9.3 a)1	7.2.4.3.1.5	<b>Process implementation</b> 5.1-1 Based upon the verification tasks as determined, a verification plan shall be developed [and documented].
	6.4.9.3 a)1	7.2.4.3.1.5	<b>Process implementation</b> 5.2 The plan shall address the life cycle activities and software products subject to verification, the required verification tasks for each life cycle activity and software product, and related resources, responsibilities, and schedule.
<sup>a</sup> Any requirements in ISO/IEC/IEEE 12207	that include t	he word 'docu 289	ment' form part of the workload handled by the

## Table 3 (continued)

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Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)
	6.4.9.3 a)1	7.2.4.3.1.6	<b>Process implementation</b> 6.1 The verification plan shall be implemented.
	6.4.9.3 a)1	7.1.5.3.1.5	7.1.5 Software Construction Process- 3.1 Software construction 5.1 The imple- menter shall evaluate software code and test results considering the criteria listed below. a) Traceability to the requirements and design of the software item. b) Exter- nal consistency with the requirements and design of the software item. c) Internal consistency between unit requirements. d) Test coverage of units. e) Appropriate- ness of coding methods and standards used. f) Feasibility of software integration and testing.g) Feasibility of operation and maintenance.
<b>Prepare for verification</b> a)1. Define the verification strategy,	6.4.9.3 a)1	7.1.6.3.1.2	7.1.6 Software Integration Process- 3.1 <b>Software integration</b> 2.1 The imple- menter shall integrate the software units and software components and test as the aggregates are developed in accord- ance with the integration plan. NOTE A regression strategy should be developed to be applied for re-verifying the software items when a change is made to software units (including associated requirements, design and code).
<b>Prepare for verification</b> a)2. Identify constraints from the verification strategy to be incorporated in the system/software requirements, architecture, or design.	6.4.9.3 a)2	7.1.6.3.1.6	7.1.6 Software Integration Process- 3.1 <b>Software integration</b> 6. The implementer shall conduct review(s) in accordance with subclause 7.2.6.
	6.4.9.3 a)2	7.2.4.3.1.5	<b>Process implementation</b> 5.3 The plan shall address procedures for forwarding verification reports to the acquirer and other involved organizations.
<b>Prepare for verification</b> a)3. Define the purpose, conditions and conformance criteria for each verification action.	6.4.9.3 a)3	6.4.5.3.2.1	6.4.5 System Integration Process- 3.2 <b>Test readiness</b> 1.1 For each qualification requirement of the system, a set of tests, test cases (inputs, outputs, test criteria), and test procedures for conducting System Qualification Testing shall be developed and documented.
	6.4.9.3 a)3	7.1.4.3.1.5	7.1.4 Software Detailed Design Process- 3.1 <b>Software detailed design</b> 5.1-1&2 The implementer shall define and docu- ment test requirements and the schedule for testing software units.
	6.4.9.3 a)3	7.1.4.3.1.5	<b>Software detailed design</b> 5.2 The test requirements should include stressing the software unit at the limits of its requirements.
a Any requirements in ISO/IEC/IEEE 12207	6.4.9.3 a)3	7.1.4.3.1.6	<b>Software detailed design</b> 6. The imple- menter shall update the test requirements [and the schedule] for Software Integration ment' form part of the workload handled by the

# Table 3 (continued)

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Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)
	6.4.9.3 a)3	7.2.4.3.2.1	Verification 1. Requirements verifica- tion. The requirements shall be verified considering the criteria listed below: a) The system requirements are consist- ent, feasible, and testable. b) The system requirements have been appropriately allocated to hardware items, software items, and manual operations according to design criteria. c) The software require- ments are consistent, feasible, testable, and accurately reflect system require- ments. d) The software requirements related to safety, security, and criticality are correct as shown by suitably rigorous methods.
<b>Prepare for verification</b> a)3. Define the purpose, conditions and conformance criteria for each verification action.	6.4.9.3 a)3	7.2.4.3.2.2	<b>Verification</b> 2. <b>Design verification</b> . The design shall be verified considering the criteria listed below: a) The design is correct and consistent with and traceable to requirements. b) The design implements proper sequence of events, inputs, outputs, interfaces, logic flow, allocation of timing and sizing budgets, and error definition, isolation, and recovery. c) Selected design can be derived from requirements. d) The design implements safety, security, and other critical requirements correctly as shown by suitably rigorous methods.
	6.4.9.3 a)3	7.2.4.3.2.3	Verification 3. Code verification. The code shall be verified considering the criteria listed below: a) The code is traceable to design and requirements, testable, correct, and compliant with re- quirements and coding standards. b) The code implements proper event sequence, consistent interfaces, correct data and control flow, completeness, appropriate allocation timing and sizing budgets, and error definition, isolation, and recovery. c) Selected code can be derived from design or requirements. d) The code implements safety, security, and other critical require- ments correctly as shown by suitably rigorous methods.
<sup>a</sup> Any requirements in ISO/IEC/IEEE 12207	6.4.9.3 a)3	7.2.4.3.2.4	Verification 4. Integration verification. The integration shall be verified consider- ing the criteria listed below: a) The soft- ware components and units of each soft- ware item have been completely and cor- rectly integrated into the software item. b) The hardware items, software items, and manual operations of the system have been completely and correctly integrated into the system. c) The integration tasks have been performed in accordance with an integration plan.

#### Table 3 (continued)

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Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)
<b>Prepare for verification</b> a)3. Define the purpose, conditions and conformance criteria for each verification action.	6.4.9.3 a)3	7.2.4.3.2.5	<b>Verification</b> 5. <b>Documentation verifica-</b> <b>tion</b> . The documentation shall be verified considering the criteria listed below: a) The documentation is adequate, complete, and consistent. b) Documentation prepa- ration is timely. c) Configuration man- agement of documents follows specified procedures.
<b>Prepare for verification</b> a)4. Select appropriate verification methods or techniques and associated criteria for verification actions, such as inspection, analysis, demonstration, or testing.	6.4.9.3 a)4	7.2.4.3.1.4	<b>Process implementation</b> 4.2 Verification activities and tasks defined in subclause 7.2.4.3.2, including associated methods, techniques, and tools for performing the tasks, shall be selected for the target life cycle activities and software products.
<b>Prepare for verification</b> a)5. Identi- fy and plan for the necessary enabling systems or services needed to support verification.	6.4.9.3 a)5	6.2.2.3.1.1	6.2.2 Infrastructure Management Process- 3.1 <b>Process implementation</b> 1.1-1&2 The infrastructure should be defined and doc- umented to meet the requirements of the process employing this process, consider- ing the applicable procedures, standards, tools, and techniques.
	6.4.9.3 a)5	7.2.4.3.1.4	<b>Process implementation</b> 4.2 Verification activities and tasks defined in subclause 7.2.4.3.2, including associated methods, techniques, and tools for performing the tasks, shall be selected for the target life cycle activities and software products.
<b>Prepare for verification</b> a)6. Obtain or acquire access to the enabling systems or services to be used to support verification.	6.4.9.3 a)6	6.2.2.3.2.2	<b>Establishment of the infrastructure</b> 2. The infrastructure shall be installed in time for execution of the relevant process.
	6.4.9.3 a)6	7.2.4.3.1.4	<b>Process implementation</b> 4.2 Verification activities and tasks defined in subclause 7.2.4.3.2, including associated methods, techniques, and tools for performing the tasks, shall be selected for the target life cycle activities and software products.
<b>Perform verification</b> b)1. Define the verification procedures, each supporting one or a set of verification actions.	6.4.9.3 b)1	7.1.5.3.1.4	<b>Software construction</b> 4.1 The imple- menter shall update the test requirements and the schedule for Software Integration.
	6.4.9.3 b)1	7.1.6.3.1.4	<b>Software integration</b> 4.1-1 The imple- menter shall develop [and document] for each qualification requirement of the soft- ware item a set of tests, test cases (inputs, outputs, test criteria), and test procedures for conducting Software Qualification Testing.
<b>Perform verification</b> b)2. Perform the verification procedures.	6.4.9.3 b)2	6.4.5.3.2.2	<b>Test readiness</b> 2.1 The integrated system shall be evaluated considering the criteria listed below. a) Test coverage of system requirements. b) Appropriateness of test methods and standards used. c) Conform- ance to expected results. d) Feasibility of system qualification testing. e) Feasibility of operation and maintenance.

#### Table 3 (continued)

<sup>a</sup> Any requirements in ISO/IEC/IEEE 12207 that include the word 'document' form part of the workload handled by the Information Management process. See also ISO/IEC/IEEE 15289.

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Table 3 (continued)	Table 3	(continued)
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Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)
	6.4.9.3 b)2	6.4.6.3.1.1	6.4.6 System Qualification Testing Pro- cess- 3.1 <b>Qualification testing</b> 1.1 System qualification testing shall be conducted in accordance with the qualification require- ments specified for the system.
	6.4.9.3 b)2	6.4.6.3.1.1	<b>Qualification testing</b> 1.2 It shall be ensured that the implementation of each software requirement is tested for com- pliance and that the system is ready for delivery.
	6.4.9.3 b)2	6.4.6.3.1.2	<b>Qualification testing</b> 2.1 The system shall be evaluated considering the criteria listed below. a) Test coverage of system requirements; b) Conformance to expect- ed results; c) Feasibility of operation and maintenance.
	6.4.9.3 b)2	6.4.6.3.1.3	<b>Qualification testing</b> 3.1 The developer shall support audit(s) in accordance with subclause 7.2.7.
	6.4.9.3 b)2	7.1.5.3.1.5	7.1.5 Software Construction Process- 3.1 Software construction 5.1 The imple- menter shall evaluate software code and test results considering the criteria listed below. a) Traceability to the requirements and design of the software item. b) Exter- nal consistency with the requirements and design of the software item. c) Internal consistency between unit requirements. d) Test coverage of units. e) Appropriate- ness of coding methods and standards used. f) Feasibility of software integration and testing.g) Feasibility of operation and maintenance.
	6.4.9.3 b)2	7.1.6.3.1.5	<b>Software integration</b> 5.1 The implementer shall evaluate the integration plan, design, code, tests, test results, and user documentation considering the criteria listed below. a) Traceability to the system requirements.b) External consistency with the system requirements.c) Internal consistency.d) Test coverage of the requirements of the software item.e) Appropriateness of test standards and methods used.f) Conformance to expected results.g) Feasibility of software qualification testing.h) Feasibility of operation and maintenance.
	6.4.9.3 b)2	7.1.7.3.1.1	<b>Software qualification testing</b> 1.1 The implementer shall conduct qualification testing in accordance with the qualification requirements for the software item.
Any requirements in ISO/IEC/IEEE 12207	7 that include t	he word 'docu 289	ment' form part of the workload handled by the

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# Table 3 (continued)

Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)		
	6.4.9.3 b)2	7.1.7.3.1.1	<b>Software qualification testing</b> 1.2 It shall be ensured that the implementation of each software requirement is tested for compliance.		
<b>Perform verification</b> b)2. Perform the verification procedures.	6.4.9.3 b)2	7.1.7.3.1.3	<b>Software qualification testing</b> 3.1 The implementer shall evaluate the design, code, tests, test results, and user documentation considering the criteria listed below. a) Test coverage of the requirements of the software item.b) Conformance to expected results.c) Feasibility of system integration and testing, if conducted.d) Feasibility of operation and maintenance.		
	6.4.9.3 b)2	7.1.7.3.1.4	<b>Software qualification testing</b> 4.1 The implementer shall support audit(s) in accordance with subclause 7.2.7.		
	6.4.9.3 b)2	7.2.4.3.1.6	<b>Process implementation</b> 6.1 The verification plan shall be implemented.		
	6.4.9.3 b)2	7.2.4.3.1.6	<b>Process implementation</b> 6.2 Problems and non-conformances detected by the verification effort shall be entered into the Software Problem Resolution Process (subclause 7.2.8).		
	6.4.9.3 b)2	7.2.4.3.2.1	<b>Verification</b> 1. Requirements verification. The requirements shall be verified.		
	6.4.9.3 b)2	7.2.4.3.2.2	<b>Verification</b> 2. Design verification. The design shall be verified.		
	6.4.9.3 b)2	7.2.4.3.2.3	<b>Verification</b> 3. Code verification. The code shall be verified.		
	6.4.9.3 b)2	7.2.4.3.2.4	<b>Verification</b> 4. Integration verification. The integration shall be verified.		
	6.4.9.3 b)2	7.2.4.3.2.5	<b>Verification</b> 5. Documentation verifica- tion. The documentation shall be verified.		
<b>Perform verification</b> b)2. Perform the verification procedures.	6.4.9.3 b)2	7.2.6.3.3.1	7.2.6 Software Review Process- 3.1 <b>Tech- nical Reviews</b> . 1 Technical reviews shall be held to evaluate the software products or services under consideration and pro- vide evidence that: a) They are complete. b) They comply with their standards and specifications. c) Changes to them are properly implemented and affect only those areas identified by the Configu- ration Management Process (subclause 7.2.2). d) They are adhering to applicable schedules. e) They are ready for the next planned activity. f) The development, operation, or maintenance is being con- ducted according to the plans, schedules, standards, and guidelines of the project.		
<sup>a</sup> Any requirements in ISO/IEC/IEEE 12207 that include the word 'document' form part of the workload handled by the Information Management process. See also ISO/IEC/IEEE 15289.					

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#### Table 3 (continued)

Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)
<b>Manage results of verification</b> c)1. Review verification results and anoma- lies encountered and identify follow-up actions.	6.4.9.3 c)1	7.2.4.3.1.6	<b>Process implementation</b> 6.3 All problems and non-conformances shall be resolved.
	6.4.9.3 c)1	7.2.4.3.1.6	<b>Process implementation</b> 6.4 Results of the verification activities shall be made available to the acquirer and other in- volved organizations
	6.4.9.3 c)1	7.2.6.3.3.1	<b>Technical Reviews</b> 1. Technical reviews shall be held to evaluate the software products or services under consideration and provide evidence
<b>Manage results of verification</b> c)2. Record incidents and problems during verification and track their resolution.	6.4.9.3 c)2	6.4.6.3.1.1	<b>Qualification testing</b> 1.3 The qualifica- tion testing results shall be documented.
	6.4.9.3 c)2	6.4.6.3.1.2	<b>Qualification testing</b> 2.2 The results of the evaluations shall be documented.
	6.4.9.3 c)2	6.4.6.3.1.3	<b>Qualification testing</b> 3.2 The results of the audit(s) shall be documented.
	6.4.9.3 c)2	7.1.7.3.1.1	<b>Software qualification testing</b> 1.3 The qualification testing results shall be doc- umented.
	6.4.9.3 c)2	7.1.7.3.1.3	<b>Software qualification testing</b> 3.2 The results of the evaluations shall be documented.
	6.4.9.3 c)2	7.1.7.3.1.4	<b>Software qualification testing</b> 4.1 The implementer shall support audit(s) in accordance with subclause 7.2.7.
	6.4.9.3 c)2	7.1.7.3.1.4	<b>Software qualification testing</b> 4.2 The results of the audits shall be documented.
	6.4.9.3 c)2	7.2.4.3.1.6	<b>Process implementation</b> 6.2 Problems and non-conformances detected by the verification effort shall be entered into the Software Problem Resolution Process (subclause 7.2.8).
Manage results of verification c)3. Obtain stakeholder agreement that the software system or element meets the specified requirements.	6.4.9.3 c)3	7.2.4.3.1.6	<b>Process implementation</b> 6.4 Results of the verification activities shall be made available to the acquirer and other in- volved organizations
<b>Manage results of verification</b> c)4. Maintain traceability of the verified soft- ware elements.	6.4.9.3 c)4	7.1.6.3.1.2	<b>Software integration</b> 2.2 It shall be ensured that each aggregate satisfies the requirements of the software item and that the software item is integrated at the conclusion of the integration activity.
Manage results of verification c)5. Pro- vide key artifacts and information items that have been selected for baselines.	6.4.9.3 c)5	6.4.6.3.1.4	<b>Qualification testing</b> 4 Upon successful completion of the audit(s), if conducted, the developer shall update and prepare the deliverable software product for Soft- ware Installation and Software Accept- ance Support.
<sup>a</sup> Any requirements in ISO/IEC/IEEE 12207	' that include t	he word 'docu	ment' form part of the workload handled by the

Information Management process. See also ISO/IEC/IEEE 15289.

Activities & tasks (ISO/IEC/IEEE 12207:2017)	Sub clause	Sub clause	Activities & tasks (ISO/IEC 12207:2008)	
	6.4.9.3 c)5	7.1.7.3.1.5	<b>Software qualification testing</b> 5. Upon successful completion of the audits, if conducted, the implementer shall update and prepare the deliverable software product for System Integration, System Qualification Testing, Software Installa- tion, or Software Acceptance Support as applicable.	
	6.4.9.3 c)5	7.1.7.3.1.2	<b>Software qualification testing</b> 2. The implementer shall update the user documentation as necessary.	
	6.4.9.3 c)5	7.2.4.3.1.5	<b>Process implementation</b> 5.1-2 Based upon the verification tasks as determined, a verification plan shall be [developed and] documented.	
a Any requirements in ISO/IEC/IEEE 12207 that include the word 'document' form part of the workload handled by the Information Management process. See also ISO/IEC/IEEE 15289.				

## Table 3 (continued)

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