Level 2

Requirements Management

		Score
SP 1.1	Obtain an Understanding of Requirements Develop an understanding with the requirements providers on the meaning of the requirements	
SP 1.2	Obtain Commitment to Requirements Obtain commitment to the requirements from the project participants	
SP 1.3	Manage Requirements Changes Manage changes to the requirements as they evolve during the project	
SP 1.4	Maintain Bi-directional Traceability of Requirements Maintain bi-directional traceability among the requirements and work products	
SP 1.5	Identify Inconsistencies between Project Work and Requirements Identify inconsistencies between the project plans and work products and the requirements	
GP 2.1	(Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the requirements management process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the requirements management process	
GP 2.3	Provide Resources Provide adequate resources for performing the requirements management process, developing the work products and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the requirements management process	
GP 2.5	Train People Train the people performing or supporting the requirements management process as needed	
GP 2.6	Manage Configurations Place designated work products of the requirements management process under appropriate levels of control	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the requirements management process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the requirements management process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the requirements management process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the requirements management process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined requirements management process	
GP 3.2	Collect Improvement Information Collect work products, measures, measurement results, and improvement information derived from planning and performing the requirements management process to support the future use and improvement of the organization's processes and process assets	

Project Planning	Score
SP 1.1 Estimate the Scope of the Project Establish a top-level work breakdown structure (WBS) to estimate of the scope of the project	
SP 1.2 Establish Estimates of Work Product and Task Attributes Establish and maintain estimates of the attributes of the work products and tasks	
SP 1.3 Define Project Life Cycle Define the project life-cycle phases on which to scope the planning effort	
SP 1.4 Determine Estimates of Effort and Cost Estimate the project effort and cost for the work products and tasks based on estimation rationale	
SP 2.1 Establish the Budget and Schedule Establish and maintain the project's budget and schedule	
SP 2.2 Identify Project Risks Identify and analyze project risks	
SP 2.3 Plan for Data Management Plan for the management of project data	
SP 2.4 Plan for Project Resources Plan for necessary resources to perform the project	
SP 2.5 Plan for Needed Knowledge and Skills Plan for knowledge and skills needed to perform the project	
SP 2.6 Plan Stakeholder Involvement Plan the involvement with identified stakeholders	
SP 2.7 Establish the Project Plan Establish and maintain the overall project plan content	
SP 3.1 Review Plans that Affect the Project Review all plans that affect the project to understand project commitments	
SP 3.2 Reconcile Work and Resource Levels Reconcile the project plan to reflect available and estimated resources	
SP 3.3 Obtain Plan Commitment Obtain commitment from relevant stakeholders responsible for performing and supporting plan execution	
GP 2.1 Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the project planning process	
GP 2.2 Plan the Process Establish and maintain the plan for performing the project planning process	
GP 2.3 Provide Resources Provide adequate resources for performing the project planning process, developing the work products and providing the services of the process	
GP 2.4 Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the project planning process	
GP 2.5 Train People Train the people performing or supporting the project planning process as needed	
GP 2.6 Manage Configurations Place designated work products of the project planning process under appropriate levels of configuration management	
GP 2.7 Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the project planning process as planned	
GP 2.8 Monitor and Control the Process Monitor and control the project planning process against the plan for performing the process and take appropriate corrective action	
GP 2.9 Objectively Evaluate Adherence Objectively evaluate adherence of the project planning process against its process description, standards, and address noncompliance	
GP 2.10 Review Status with Higher-Level Management Review the activities, status, and results of the project planning process with higher level management and resolve issues	
GP 3.1 Establish a Defined Process Establish and maintain the description of a defined project planning process	
GP 3.2 Collect Improvement Information Collect work products, measures, measurement results, and improvement information derived from planning and performing the project planning process to support the future use and improvement of the organization's processes and process assets	

	Project Monitoring and Control	Score
SP 1.1	Monitor Project Planning Parameters Monitor the actual values of the project planning parameters against the project plan	
SP 1.2	Monitor Commitments Monitor commitments against those identified in the project plan	
SP 1.3	Monitor Project Risks Monitor risks against those identified in the project plan	
SP 1.4	Monitor Data Management Monitor the management of project data against the project plan	
SP 1.5	Monitor Stakeholder Involvement Monitor stakeholder involvement against the project plan	
SP 1.6	Conduct Progress Reviews Periodically review the project's progress, performance, and issues	
SP 1.7	Conduct Milestone Reviews Review the accomplishments and results of the project at selected project milestones	
SP 2.1	Analyze Issues Collect and analyze the issues and determine the corrective actions necessary to address the issues	
SP 2.2	Take Correction Action Take corrective action on identified issues	
SP 2.3	Manage Corrective Action Manage corrective actions to closure	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the project monitoring and control process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the project monitoring and control process	
GP 2.3	Provide Resources Provide adequate resources for performing the project monitoring and control process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the project monitoring and control process	
GP 2.5	Train People Train the people performing or supporting the project monitoring and control process as needed	
GP 2.6	Manage Configurations Place designated work products of the project monitoring and control process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the project monitoring and control process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the project monitoring and control process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the project monitoring and control process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the project monitoring and control process with management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined project monitoring and control process	
GP 3.2	Collect Improvement Information Collect work products, measures, measurement results, and improvement information derived from planning and performing the project monitoring and control process to support the future use and improvement of the organization's processes and process assets	

Supplier Agreement Management

		Score
SP 1.1	Determine Acquisition Type Determine the type of acquisition for each product or product component to be acquired	
SP 1.2	Select Suppliers Select suppliers based on an evaluation of their ability to meet the specified requirements and established criteria	
SP 1.3	Establish Supplier Agreements Establish and maintain formal agreements with the supplier	
SP 2.1	Execute the Supplier Agreement Perform activities with the supplier as specified in the supplier agreement	
SP 2.2	Monitor Selected Supplier Processes Select, monitor, and analyze processes used by the supplier.	
SP 2.3	Evaluate Selected Supplier Work Products Select and evaluate work products from the supplier of custom-made products.	
SP 2.4	Accept the Acquired Product Ensure that the supplier agreement is satisfied before accepting the acquired product	
SP 2.5	Transition Products Transition the acquired products from the supplier to the project	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing supplier agreement management process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the supplier agreement management process	
GP 2.3	Provide Resources Provide adequate resources for performing the supplier agreement management process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the supplier agreement management process	
GP 2.5	Train People Train the people performing or supporting the supplier agreement management process as needed	
GP 2.6	Manage Configurations Place designated work products of the supplier agreement management process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the supplier agreement management process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the supplier agreement management process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the supplier agreement management process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the supplier agreement management process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined supplier agreement management process	
GP 3.2	Collect Improvement Information Collect work products, measures, measurement results, and improvement information derived from planning and performing the supplier agreement management process to support the future use and improvement of the organization's processes and process assets	

	Measurement and Analysis	Score
SP 1.1	Establish Measurement Objectives Establish and maintain measurement objectives that are derived from identified information needs and objectives	
SP 1.2	Specify Measures Specify measures to address the measurement objectives	
SP 1.3	Specify Data Collection and Storage Procedures Specify how measurement data will be obtained and stored	
SP 1.4	Specify Analysis Procedures Specify how measurement data will be analyzed and reported	
SP 2.1	Collect Measurement Data Obtain specified measurement data	
SP 2.2	Analyze Measurement Data Analyze and interpret measurement data	
SP 2.3	Store Data and Results Manage and store measurement data, measurement specifications, and analysis results	
SP 2.4	Communicate Results Report results of measurement and analysis activities to all relevant stakeholders	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the measurement and analysis process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the measurement and analysis process	
GP 2.3	Provide Resources Provide adequate resources for performing the measurement and analysis process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the measurement and analysis process	
GP 2.5	Train People Train the people performing or supporting the measurement and analysis process as needed	
GP 2.6	Manage Configurations Place designated work products of the measurement and analysis process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the measurement and analysis process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the measurement and analysis process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the measurement and analysis process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the measurement and analysis process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined measurement and analysis process	
GP 3.2	Collect Improvement Information Collect work products, measures, measurement results, and improvement information derived from planning and performing the measurement and analysis process to support the future use and improvement of the organization's processes and process assets	

Process and Product Quality Assurance	Score
SP 1.1 Objectively Evaluate Processes Objectively evaluate the designated performed processes against the applicable process descriptions, standards and procedures	
SP 1.2 Objectively Evaluate Work Products and Services Objectively evaluate the designated work products and services against the applicable process descriptions, standards, and procedures	
SP 2.1 Communicate and Ensure Resolution of Noncompliance Issues Communicate quality issues and ensure resolution of noncompliance issues with the staff and managers	
SP 2.2 Establish Records Establish and maintain records of the quality assurance activities	
GP 2.1 Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the process and product quality assurance process	
GP 2.2 Plan the Process Establish and maintain the plan for performing the process and product quality assurance process	
GP 2.3 Provide Resources Provide adequate resources for performing the process and product quality assurance process, developing the work products, and providing the services of the process	
GP 2.4 Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the process and product quality assurance process	
GP 2.5 Train People Train the people performing or supporting the process and product quality assurance process as needed	
GP 2.6 Manage Configurations Place designated work products of the process and product quality assurance process under appropriate levels of configuration management	
GP 2.7 Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the process and product quality assurance process as planned	
GP 2.8 Monitor and Control the Process Monitor and control the process and product quality assurance process against the plan for performing the process and take appropriate corrective action	
GP 2.9 Objectively Evaluate Adherence Provide adequate resources for performing the process and product quality assurance process, developing the work products, and providing the services of the process	
GP 2.10 Review Status with Higher-Level Management Review the activities, status, and results of the process and product quality assurance process with higher level management and resolve issues	
GP 3.1 Establish a Defined Process Establish and maintain the description of a defined process and product quality assurance process	
GP 3.2 Collect Improvement Information Collect work products, measures, measurement results, and improvement information derived from planning and performing the process and product quality assurance process to support the future use and improvement of the organization's processes and process assets	

	Configuration Management	Score
SP 1.1	Identify Configuration Items Identify the configuration items, components, and related work products that will be placed under configuration management	
SP 1.2	Establish a Configuration Management System Establish and maintain a configuration management and change management system for controlling work products	
SP 1.3	Create or Release Baselines Create or release baselines for internal use and for delivery to the customer	
SP 2.1	Track Changes Track change requests for the configuration items	
SP 2.2	Control Changes Control changes to the configuration items	
SP 3.1	Establish Configuration Management Records Establish and maintain records describing configuration items	
SP 3.2	Perform Configuration Audits Perform configuration audits to maintain integrity of the configuration baselines	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the configuration management process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the configuration management process	
GP 2.3	Provide Resources Provide adequate resources for performing the configuration management process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the configuration management process	
GP 2.5	Train People Train the people performing or supporting the configuration management process as needed	
GP 2.6	Manage Configurations Place designated work products of the configuration management process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the configuration management process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the configuration management process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the configuration management process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the configuration management process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined configuration management process	
GP 3.2	Collect Improvement Information Collect work products, measures, measurement results, and improvement information derived from planning and performing the configuration management process to support the future use and improvement of the organization's processes and process assets	

Level 3

Requirements Development

		Score
SP 1.1	Elicit Needs Elicit stakeholder needs, expectations, constraints, and interfaces for all phases of the product's life cycle	
SP 1.2	Transform Stakeholder Needs, Expectations, Constraints, and Interfaces into Customer Requirements Transform stakeholder needs, expectations, constraints, and interfaces into customer requirements	
SP 2.1	Establish Product and Product Component Requirements Establish and maintain product and product component requirements, which are based on the customer requirements	
SP 2.2	Allocate Product Component Requirements Allocate the requirements for each product component	
SP 2.3	Identify Interface Requirements Identify interface requirements	
SP 3.1	Establish Operational Concepts and Scenarios Establish and maintain operational concepts and associated scenarios	
SP 3.2	Establish a Definition of Required Functionality Establish and maintain a definition of required functionality	
SP 3.3	Analyze Requirements Analyze requirements to ensure that they are necessary and sufficient	
SP 3.4	Analyze Requirements to Achieve Balance Analyze requirements to balance stakeholder needs and constraints	
SP 3.5	Validate Requirements with Comprehensive Methods Validate requirements to ensure the resulting product will perform as intended in the user's environment	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the requirements development process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the requirements development process	
GP 2.3	Provide Resources Provide adequate resources for performing the requirements development process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the requirements development process	
GP 2.5	Train People Train the people performing or supporting the requirements development process as needed	
GP 2.6	Manage Configurations Place designated work products of the requirements development process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the requirements development process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the requirements development process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the requirements development process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the requirements development process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined requirements development process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the requirements development process to support the future use and improvement of the organization's processes and process assets	

Technical Solution	Score
SP 1.1 Develop Alternative Solutions and Selection Criteria Develop alternative solutions and selection criteria	
SP 1.2 Select Product-Component Solutions Select the product-component solutions that best satisfy the criteria established	
SP 2.1 Design the Product or Product Component Develop a design for the product or product component	
SP 2.2 Establish a Technical Data Package Establish and maintain a technical data package	
SP 2.3 Design Interfaces Using Criteria Design product-component interfaces using established criteria	
SP 2.4 Perform Make, Buy, or Reuse Analyses Evaluate whether the product components should be developed, purchased, or reused based on established criteria	
SP 3.1 Implement the Design Implement the designs of the product components	
SP 3.2 Establish Product Support Documentation Establish and maintain the end-use documentation	
GP 2.1 Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the technical solution process	
GP 2.2 Plan the Process Establish and maintain the plan for performing the technical solution process	
GP 2.3 Provide Resources Provide adequate resources for performing the technical solution process, developing the work products, and providing the services of the process	
GP 2.4 Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the technical solution process	
GP 2.5 Train People Train the people performing or supporting the technical solution process as needed	
GP 2.6 Manage Configurations Place designated work products of the technical solution process under appropriate levels of configuration management	
GP 2.7 Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the technical solution process as planned	
GP 2.8 Monitor and Control the Process Monitor and control the technical solution process against the plan for performing the process and take appropriate corrective action	
GP 2.9 Objectively Evaluate Adherence Objectively evaluate adherence of the technical solution process against its process description, standards, and procedures, and address noncompliance	
GP 2.10 Review Status with Higher-Level Management Review the activities, status, and results of the technical solution process with higher level management and resolve issues	
GP 3.1 Establish a Defined Process Establish and maintain the description of a defined technical solution process	
GP 3.2 Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the technical solution process to support the future use and improvement of the organization's processes and process assets	

Product Integration	Score
SP 1.1 Determine Integration Sequence Determine the product component integration sequence	
SP 1.2 Establish the Product Integration Environment Establish and maintain the environment needed to support the integration of the product components	
SP 1.3 Establish Product Integration Procedures and Criteria Establish and maintain procedures and criteria for integration of the product components	
SP 2.1 Review Interface Descriptions for Completeness Review interface descriptions for coverage and completeness	
SP 2.2 Manage Interfaces Manage internal and external interface definitions, designs, and changes for products and product components	
SP 3.1 Confirm Readiness of Product Components for Integration Confirm, prior to assembly, that each product component required to assemble the product has been properly identified, functions according to its description, and that the product component interfaces comply with the interface descriptions	
SP 3.2 Assemble Product Components Assemble product components according to the product integration sequence and available procedures	
SP 3.3 Evaluate Assembled Product Components Evaluate assembled product components for interface compatibility	
SP 3.4 Package and Deliver the Product or Product Component Package the assembled product or product component and deliver it to the appropriate customer	
GP 2.1 Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the product integration process	
GP 2.2 Plan the Process Establish and maintain the plan for performing the product integration process	
GP 2.3 Provide Resources Provide adequate resources for performing the product integration process, developing the work products, and providing the services of the process	
GP 2.4 Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the product integration A process	
GP 2.5 Train People Train the people performing or supporting the product integration process as needed	
GP 2.6 Manage Configurations Place designated work products of the product integration process under appropriate levels of configuration management	
GP 2.7 Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the product integration process as planned	
GP 2.8 Monitor and Control the Process Monitor and control the product integration process against the plan for performing the process and take appropriate corrective action	
GP 2.9 Objectively Evaluate Adherence Objectively evaluate adherence of the product integration process against its process description, standards, and procedures, and address noncompliance	
GP 2.10 Review Status with Higher-Level Management Review the activities, status, and results of the product integration process with higher level management and resolve issues	
GP 3.1 Establish a Defined Process Establish and maintain the description of a defined product integration process	
GP 3.2 Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the product integration process to support the future use and improvement of the organization's processes and process assets	

Verification		Score
SP 1.1	Select Work Products for Verification Select the work products to be verified and the verification methods that will be used for each	
SP 1.2	Establish the Verification Environment Establish and maintain the environment needed to support verification	
SP 1.3	Establish Verification Procedures and Criteria Establish and maintain verification procedures and criteria for the selected work products	
SP 2.1	Prepare for Peer Reviews Prepare for peer reviews of selected work products	
SP 2.2	Conduct Peer Reviews Conduct peer reviews on selected work products and identify issues resulting from the peer review	
SP 2.3	Analyze Peer Review Data Analyze data about preparation, conduct, and results of the peer reviews	
SP 3.1	Perform Verification Perform verification on the selected work products	
SP 3.2	Analyze Verification Results Analyze the results of all verification activities	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the verification process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the verification process	
GP 2.3	Provide Resources Provide adequate resources for performing the verification process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the verification process	
GP 2.5	Train People Train the people performing or supporting the verification process as needed	
GP 2.6	Manage Configurations Place designated work products of the verification process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the verification process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the verification process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the verification process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the verification process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined verification process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the verification process to support the future use and improvement of the organization's processes and process assets	

	Validation	Score
SP 1.1	Select Products for Validation Select products and product components to be validated and the validation methods that will be used for each	
SP 1.2	Establish the Validation Environment Establish and maintain the environment needed to support validation	
SP 1.3	Establish Validation Procedures and Criteria Establish and maintain procedures and criteria for validation	
SP 2.1	Perform Validation Perform validation on the selected products and product components	
SP 2.2	Analyze Validation Results Analyze the results of the validation activities	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the validation process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the validation process	
GP 2.3	Provide Resources Provide adequate resources for performing the validation process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the validation process	
GP 2.5	Train People Train the people performing or supporting the validation process as needed	
GP 2.6	Manage Configurations Place designated work products of the validation process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the validation process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the validation process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the validation process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the validation process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined validation process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the validation process to support the future use and improvement of the organization's processes and process assets	

Organizational Process Focus	Score
SP 1.1 Establish Organizational Process Needs Establish and maintain the description of the process needs and objectives for the organization	
SP 1.2 Appraise the Organization's Processes Appraise the processes of the organization periodically and as needed to maintain an understanding of their strengths and weaknesses	
SP 1.3 Identify the Organization's Process Improvements Identify improvements to the organization's processes and process assets	
SP 2.1 Establish Process Action Plans Establish and maintain process action plans to address improvements to the organization's processes and process assets	
SP 2.2 Implement Process Action Plans Implement process action plans	
SP 3.1 Deploy Organizational Process Assets Deploy the organizational process assets across the organization	
SP 3.2 Deploy Standard Processes Deploy the organization's set of standard processes to projects at their startup and deploy changes to them as appropriate throughout the life of each project.	
SP 3.3 Monitor Implementation Monitor the implementation of the organization's set of standard processes and use of process assets on all projects.	
SP 3.4 Incorporate Process-Related Experiences into the Organizational Process Assets Incorporate process-related work products, measures, and improvement information derived from planning and performing the process into the organizational process assets	
GP 2.1 Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the organizational process focus process	
GP 2.2 Plan the Process Establish and maintain the plan for performing the organizational process focus process	
GP 2.3 Provide Resources Provide adequate resources for performing the organizational process focus process, developing the work products, and providing the services of the process	
GP 2.4 Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the organizational process focus process	
GP 2.5 Train People Train the people performing or supporting the organizational process focus process as needed	
GP 2.6 Manage Configurations Place designated work products of the organizational process focus process under appropriate levels of configuration management	
GP 2.7 Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the organizational process focus process as planned	
GP 2.8 Monitor and Control the Process Monitor and control the organizational process focus process against the plan for performing the process and take appropriate corrective action	
GP 2.9 Objectively Evaluate Adherence Objectively evaluate adherence of the organizational process focus process against its process description, standards, and procedures, and address noncompliance	
GP 2.10 Review Status with Higher-Level Management Review the activities, status, and results of the organizational process focus process with higher level management and resolve issues	
GP 3.1 Establish a Defined Process Establish and maintain the description of a defined organizational process focus process	
GP 3.2 Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the organizational process focus process to support the future use and improvement of the organization's processes and process assets	

Organizational Process Definition

		Score
SP 1.1	Establish Standard Processes Establish and maintain the organization's set of standard processes	
SP 1.2	Establish Life-Cycle Model Descriptions Establish and maintain descriptions of the life-cycle process models approved for use in the organization	
SP 1.3	Establish Tailoring Criteria and Guidelines Establish and maintain the tailoring criteria and guidelines for the organization's set of standard processes	
SP 1.4	Establish the Organization's Measurement Repository Establish and maintain the organization's measurement repository	
SP 1.5	Establish the Organization's Process Asset Library Establish and maintain the organization's process asset library	
SP 1.6	Establish Work Environment Standards Establish and maintain work environment standards	
SP 2.1	(IPPD only) Establish Empowerment Mechanisms Establish and maintain empowerment mechanisms to enable timely decision making.	
SP 2.2	(IPPD only) Establish Rules and Guidelines for Integrated Teams Establish and maintain organizational rules and guidelines for structuring and forming integrated teams.	
SP 2.3	(IPPD only) Balance Team and Home Organization Responsibilities Establish and maintain organizational guidelines to help team members balance their team and home organization responsibilities.	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the organizational process definition process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the organizational process definition process	
GP 2.3	Provide Resources Provide adequate resources for performing the organizational process definition process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the organizational process definition process	
GP 2.5	Train People Train the people performing or supporting the organizational process definition process as needed	
GP 2.6	Manage Configurations Place designated work products of the organizational process definition process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the organizational process definition process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the organizational process definition process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the organizational process definition process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the organizational process definition process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined organizational process definition process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the organizational process definition process to support the future use and improvement of the organization's processes and process assets	

	Organizational Training	Score
SP 1.1	Establish the Strategic Training needs Establish and maintain the strategic training needs of the organization	
SP 1.2	Determine Which Training Needs Are the Responsibility of the Organization Determine which training needs are the responsibility of the organization and which will be left to the individual project or support group	
SP 1.3	Establish an Organizational Training Tactical Plan Establish and maintain an organizational training tactical plan	
SP 1.4	Establish Training Capability Establish and maintain training capability to address organizational training needs	
SP 2.1	Deliver Training Deliver the training following an organizational training plan	
SP 2.2	Establish Training Records Establish and maintain records of the organizational training	
SP 2.3	Assess Training Effectiveness Assess the effectiveness of the organization's training program	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the organizational training process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the organizational training process	
GP 2.3	Provide Resources Provide adequate resources for performing the organizational training process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the organizational training process	
GP 2.5	Train People Train the people performing or supporting the organizational training process as needed	
GP 2.6	Manage Configurations Place designated work products of the organizational training process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the organizational training process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the organizational training process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the organizational training process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the organizational training process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined organizational training process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the organizational training process to support the future use and improvement of the organization's processes and process assets	

Integrated Project Management	Score
SP 1.1 Establish the Project's Defined Process Establish and maintain the project's defined process from project startup through the life of the project	
SP 1.2 Use Organizational Process Assets for Planning Project Activities Use the organization's process assets and measurement repository for estimating and planning the project's activities	
SP 1.3 Establish the Project's Work Environment Establish and maintain the project's work environment based on the organization's work environment standards	
SP 1.4 Integrate Plans Integrate the project plan and the other plans that affect the project to describe the project's defined process	
SP 1.5 Manage the Project Using the Integrated Plans Manage the project using the project plan, the other plans that affect the project, and the project's defined process	
SP 1.6 Contribute to the Organization's Process Assets Contribute work products, measures, and documented experiences to the organizational process assets	
SP 2.1 Manage Stakeholder Involvement Manage the involvement of the relevant stakeholders in the project	
SP 2.2 Manage Dependencies Participate with relevant stakeholders to identify, negotiate, and track critical dependencies	
SP 2.3 Resolve Coordination Issues Resolve issues with relevant stakeholders	
SP 3.1 (IPPD only) Establish the Project's Shared Vision Establish and maintain a shared vision for the project	
SP 3.2 (IPPD only) Establish the Integrated Team Structure Establish and maintain the integrated team structure for the project.	
SP 3.3 (IPPD only) Allocate Requirements to Integrated Teams Allocate requirements, responsibilities, tasks, and interfaces to teams in the integrated team structure	
SP 3.4 (IPPD only) Establish Integrated Teams Establish and maintain integrated teams in the structure	
SP 3.5 (IPPD only) Ensure Collaboration among Interfacing Teams Ensure collaboration among interfacing teams	
GP 2.1 Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the integrated project management process	
GP 2.2 Plan the Process Establish and maintain the plan for performing the integrated project management process	
GP 2.3 Provide Resources Provide adequate resources for performing the integrated project management process, developing the work products, and providing the services of the process	
GP 2.4 Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the integrated project management process	
GP 2.5 Train People Train the people performing or supporting the integrated project management process as needed	
GP 2.6 Manage Configurations Place designated work products of the integrated project management process under appropriate levels of configuration management	
GP 2.7 Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the integrated project management process as planned	
GP 2.8 Monitor and Control the Process Monitor and control the integrated project management process against the plan for performing the process and take appropriate corrective action	
GP 2.9 Objectively Evaluate Adherence Objectively evaluate adherence of the integrated project management process against its process description, standards, and procedures, and address noncompliance	
GP 2.10 Review Status with Higher-Level Management Review the activities, status, and results of the integrated project management process with higher level management and resolve issues	
GP 3.1 Establish a Defined Process Establish and maintain the description of a defined integrated project management process	
GP 3.2 Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the integrated project management process to support the future use and improvement of the organization's processes and process assets	

	Risk Management	Score
SP 1.1	Determine Risk Sources and Categories Determine risk sources and categories	
SP 1.2	Define Risk Parameters Define the parameters used to analyze and categorize risks, and the parameters used to control the risk management effort	
SP 1.3	Establish a Risk Management Strategy Establish and maintain the strategy and methods to be used for risk management	
SP 2.1	Identify Risks Identify and document the risks	
SP 2.2	Evaluate, Categorize, and Prioritize Risks Evaluate and categorize each identified risk using the defined risk categories and parameters, and determine its relative priority	
SP 3.1	Develop Risk Mitigation Plans Develop a risk mitigation plan for the most important risks to the project, as defined by the risk management strategy	
SP 3.2	Implement Risk Mitigation Plans Monitor the status of each risk periodically and implement the risk mitigation plan as appropriate	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the risk management process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the risk management process	
GP 2.3	Provide Resources Provide adequate resources for performing the risk management process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the risk management process	
GP 2.5	Train People Train the people performing or supporting the risk management process as needed	
GP 2.6	Manage Configurations Place designated work products of the risk management process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the risk management process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the risk management process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the risk management process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the risk management process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined risk management process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the risk management process to support the future use and improvement of the organization's processes and process assets	

	Decision Analysis and Resolution	Score
SP 1.1	Establish Guidelines for Decision Analysis Establish and maintain guidelines to determine which issues are subject to a formal evaluation process	
SP 1.2	Establish Evaluation Criteria Establish and maintain the criteria for evaluating alternatives, and the relative ranking of these criteria	
SP 1.3	Identify Alternative Solutions Identify alternative solutions to address issues	
SP 1.4	Select Evaluation Methods Select the evaluation methods	
SP 1.5	Evaluate Alternatives Evaluate alternative solutions using the established criteria and methods	
SP 1.6	Select Solutions Select solutions from the alternatives based on the evaluation criteria	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the decision analysis and resolution process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the decision analysis and resolution process	
GP 2.3	Provide Resources Provide adequate resources for performing the planned process, developing the work products and providing the services for the decision analysis and resolution process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the decision analysis and resolution process	
GP 2.5	Train People Train the people performing or supporting the decision analysis and resolution process as needed	
GP 2.6	Manage Configurations Place designated work products of the decision analysis and resolution process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the decision analysis and resolution process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the decision analysis and resolution process against the plan and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the decision analysis and resolution process and the work products and services of the process to the applicable requirements, objectives, and standards, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the decision analysis and resolution process with management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined decision analysis and resolution process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the decision analysis and resolution process to support the future use and improvement of the organization's processes and process assets	

Level 4	
Organizational Process Performance	Score
SP 1.1	Select Processes Select the processes or process elements in the organization's set of standard processes that are to be included in the organization's process performance analyses	
SP 1.2	Establish Process Performance Measures Establish and maintain definitions of the measures that are to be included in the organization's process performance analyses	
SP 1.3	Establish Quality and Process Performance Objectives Establish and maintain quantitative objectives for quality and process performance for the organization	
SP 1.4	Establish Process Performance Baselines Establish and maintain the organization's process performance baselines	
SP 1.5	Establish Process Performance Models Establish and maintain the process performance models for the organization's set of standard processes	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the organizational process performance process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the organizational process performance process	
GP 2.3	Provide Resources Provide adequate resources for performing the organizational process performance process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the organizational process performance process	
GP 2.5	Train People Train the people performing or supporting the organizational process performance process as needed	
GP 2.6	Manage Configurations Place designated work products of the organizational process performance process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the organizational process performance process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the organizational process performance process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the organizational process performance process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the organizational process performance process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined organizational process performance process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the organizational process performance process to support the future use and improvement of the organization's processes and process assets	

Quantitative Project Management	Score
SP 1.1 Establish the Project's Objectives Establish and maintain the project's quality and process performance objectives	
SP 1.2 Compose the Defined Process Select the sub-processes that compose the project's defined process based on historical stability and capability data	
SP 1.3 Select the Sub-processes that Will Be Statistically Managed Select the sub-processes of the project's defined process that will be statistically managed	
SP 1.4 Manage Project Performance Monitor the project to determine whether the project's objectives for quality and process performance will be satisfied, and identify corrective action as appropriate	
SP 2.1 Select Measures and Analytic Techniques Select the measures and analytic techniques to be used in statistically managing the selected sub-processes	
SP 2.2 Apply Statistical Methods to Understand Variation Establish and maintain an understanding of the variation of the selected sub-processes using the selected measures and analytic techniques	
SP 2.3 Monitor Performance of the Selected Sub-processes Monitor the performance of the selected sub-processes to determine their capability to satisfy their quality and process performance objectives, and identify corrective action as necessary	
SP 2.4 Record Statistical Management Data Record statistical and quality management data in the organization's measurement repository	
GP 2.1 Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the quantitative project management process	
GP 2.2 Plan the Process Establish and maintain the plan for performing the quantitative project management process	
GP 2.3 Provide Resources Provide adequate resources for performing the quantitative project management process, developing the work products, and providing the services of the process	
GP 2.4 Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the quantitative project management process	
GP 2.5 Train People Train the people performing or supporting the quantitative project management process as needed	
GP 2.6 Manage Configurations Place designated work products of the quantitative project management process under appropriate levels of configuration management	
GP 2.7 Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the quantitative project management process as planned	
GP 2.8 Monitor and Control the Process Monitor and control the quantitative project management process against the plan for performing the process and take appropriate corrective action	
GP 2.9 Objectively Evaluate Adherence Objectively evaluate adherence of the quantitative project management process against its process description, standards, and procedures, and address noncompliance	
GP 2.10 Review Status with Higher-Level Management Review the activities, status, and results of the quantitative project management process with higher level management and resolve issues	
GP 3.1 Establish a Defined Process Establish and maintain the description of a defined quantitative project management process	
GP 3.2 Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the quantitative project management process to support the future use and improvement of the organization's processes and process assets	

	Level 5	
	Organizational Innovation and Deployment	Score
SP 1.1	Collect and Analyze Improvement Proposals Collect and analyze process and technology improvement proposals	
SP 1.2	Identify and Analyze Innovations Identify and analyze innovative improvements that could increase the organization's quality and process performance	
SP 1.3	Pilot Improvements Pilot process and technology improvements to select which ones to implement	
SP 1.4	Select Improvements for Deployment Select process and technology improvement proposals for deployment across the organization	
SP 2.1	Plan the Deployment Establish and maintain the plans for deploying the selected process and technology improvements	
SP 2.2	Manage the Deployment Manage the deployment of the selected process and technology improvements	
SP 2.3	Measure Improvement Effects Measure the effects of the deployed process and technology improvements	
GP 2.1	Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the organizational innovation and deployment process	
GP 2.2	Plan the Process Establish and maintain the plan for performing the organizational innovation and deployment process	
GP 2.3	Provide Resources Provide adequate resources for performing the organizational innovation and deployment process, developing the work products, and providing the services of the process	
GP 2.4	Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the organizational innovation and deployment process	
GP 2.5	Train People Train the people performing or supporting the organizational innovation and deployment process as needed	
GP 2.6	Manage Configurations Place designated work products of the organizational innovation and deployment process under appropriate levels of configuration management	
GP 2.7	Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the organizational innovation and deployment process as planned	
GP 2.8	Monitor and Control the Process Monitor and control the organizational innovation and deployment process against the plan for performing the process and take appropriate corrective action	
GP 2.9	Objectively Evaluate Adherence Objectively evaluate adherence of the organizational innovation and deployment process against its process description, standards, and procedures, and address noncompliance	
GP 2.10	Review Status with Higher-Level Management Review the activities, status, and results of the organizational innovation and deployment process with higher level management and resolve issues	
GP 3.1	Establish a Defined Process Establish and maintain the description of a defined organizational innovation and deployment process	
GP 3.2	Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the organizational innovation and deployment process to support the future use and improvement of the organization's processes and process assets	

Causal Analysis and Resolution	Score
SP 1.1 Select Defect Data for Analysis Select the defects and other problems for analysis	
SP 1.2 Analyze Causes Perform causal analysis of selected defects and other problems and propose actions to address them	
SP 2.1 Implement the Action Proposals Implement the selected action proposals that were developed in causal analysis	
SP 2.2 Evaluate the Effect of Changes Evaluate the effect of changes on process performance	
SP 2.3 Record Data Record causal analysis and resolution data for use across the project and organization	
GP 2.1 Establish an Organizational Policy Establish and maintain an organizational policy for planning and performing the causal analysis and resolution process	
GP 2.2 Plan the Process Establish and maintain the plan for performing the causal analysis and resolution process	
GP 2.3 Provide Resources Provide adequate resources for performing the causal analysis and resolution process, developing the work products, and providing the services of the process	
GP 2.4 Assign Responsibility Assign responsibility and authority for performing the process, developing the work products, and providing the services of the causal analysis and resolution process	
GP 2.5 Train People Train the people performing or supporting the causal analysis and resolution process as needed	
GP 2.6 Manage Configurations Place designated work products of the causal analysis and resolution process under appropriate levels of configuration management	
GP 2.7 Identify and Involve Relevant Stakeholders Identify and involve the relevant stakeholders of the causal analysis and resolution process as planned	
GP 2.8 Monitor and Control the Process Monitor and control the causal analysis and resolution process against the plan for performing the process and take appropriate corrective action	
GP 2.9 Objectively Evaluate Adherence Objectively evaluate adherence of the causal analysis and resolution process against its process description, standards, and procedures, and address noncompliance	
GP 2.10 Review Status with Higher-Level Management Review the activities, status, and results of the causal analysis and resolution process with higher level management and resolve issues	
GP 3.1 Establish a Defined Process Establish and maintain the description of a defined causal analysis and resolution process	
GP 3.2 Collect Improvement Information Collect work products, measures, and improvement information derived from planning and performing the causal analysis and resolution process to support the future use and improvement of the organization's processes and process assets	