# **Develop Project** Charter

Develop Project Charter is the process of developing documentation that formally authorizes a project or a phase. The documentation includes initial requirements that satisfy stakeholder needs and expectations. In multi-phase projects, this process is used to validate or refine decisions made during the previous iteration of this process. The project charter is the document that formally authorizes a project. The project charter also provides the project manager with authority to apply resources to project activities.



From Develop Project Charter

Tools & Techniques



••••••••P To Direct and Manage Project Execution

Management Integration

# Direct and Manage Project Execution

Direct and Manage Project Execution is the process of performing all of the work defined in the project management plan to achieve the project's objectives as defined in the project's scope statement. The project manager acquires and manages team members, and directs use of resources including materials, tools, equipment, and facilities. The activities generate project data for tracking cost, schedule, quality, progress, and status to facilitate forecasting. The process generates change requests, adapts to approved changes, and implements approved responses to risks.



# **Perform Integrated Change Control**

Perform Integrated Change Control is the process of reviewing change requests, approving changes, and managing changes to the deliverables, organizational process assets, project documents and the project management plan. It is performed from project inception through completion. The project management plan, project scope statement, and other deliverables are maintained by carefully and continuously managing changes, either by rejecting changes or by approving changes, thereby assuring that only approved changes are incorporated into the revised baseline.



# **Collect Requirements**

Collect Requirements is the process of defining and documenting stakeholders' needs to meet the project objectives. The project's success is directly influenced by the care taken in capturing and managing project and product requirements. Requirements include the quantified and documented needs and expectations of the sponsor, customer, and other stakeholders. These requirements need to be elicited, analyzed, and recorded in enough detail to be measured during project execution. Requirements become the foundation of the Work Breakdown Structure.



#### **Create WBS**

Create WBS (Work Breakdown Structure) is the process of subdividing the project deliverables and project work into smaller, more manageable components. The WBS is a deliverable-oriented hierarchical decomposition of all the work to be executed by the project team to accomplish the project objectives and create the required deliverables. Planned work is contained within the lowest-level WBS components, which are called work packages. A work package can be scheduled, cost estimated, monitored, and controlled. The WBS serves as the basis for the activity list.



## **Control Scope**

Control Scope is the process of monitoring the status of the project and product scope and managing changes to the scope baseline. Controlling project scope ensures that requested changes and recommended corrective or preventive actions are processed through the Perform Integrated Change Control process. Project scope control is also used to manage actual changes when they occur and is integrated with the other control processes. Uncontrolled changes often are referred to as scope creep. Because change is inevitable, some kind of change control is mandated.



#### **Sequence Activities**

Sequence Activities is the process of identifying and documenting relationships among the project activities. Activities are sequenced using logical relationships. Every activity and milestone except the first and last are connected to at least one predecessor and one successor. It may be necessary to use lead or lag time between activities to support a realistic and achievable project schedule. Sequencing can be performed by using project management software or by using manual or automated techniques. Most software uses Precedence Diagraming Method (PDM).



## **Estimate Activity Durations**

Estimate Activity Durations is the process of approximating the number of work periods needed to complete individual activities with estimated resources. Estimating activity durations uses information on activity scope of work, required resource types, estimated resource quantities, and recourse calendars. Inputs originate from the person or group on the project team who is most familiar with the nature of the work in the specific activity. Activity duration estimates are progressively elaborated, and the process considers the quality and availability of input data.



.8 Scheduling tool

#### **Control Schedule**

Control Schedule is the process of monitoring the status of the project to update project progress and manage changes to the schedule baseline. It is concerned with determining the current status of the project schedule, influencing the factors that create schedule changes, determining that the project schedule has changed, and managing the actual changes as they occur. Progress reporting and current schedule status includes information such as actual start and finish dates for schedule activities and the remaining durations for unfinished schedule activities.



#### **Determine Budget**

Determine Budget is the process of aggregating estimated costs of individual activities or work packages to establish an authorized cost baseline. The baseline includes all authorized budgets, but excludes management reserves. Project budgets constitute the funds authorized to execute the project. Project cost performance is measured against the authorized budget. Contingency reserves are funds budgeted for "known" unknowns, whereas management reserves are set aside for "unknown" unknowns and therefore considered to be outside the project budget baseline.



## **Plan Quality**

Plan Quality is the process of identifying quality requirements and/or standards for the project and deliverables and documenting how the project will demonstrate compliance. Quality planning should be performed in parallel with the other project planning processes. For example, proposed changes in the product to meet identified quality standards may require cost or schedule adjustments and a detailed risk analysis of the impact to plans. Quality should be planned, designed, and built into the final product or service - not inspected into it.



=

## **Perform Quality Control**

Perform Quality Control (QC) is the process of monitoring and recording results of executing the quality activities to assess performance and recommend necessary changes. Quality control is performed throughout the project. Quality standards include project processes and product goals. Project results include deliverables and project management results, such as cost and schedule performance. The project management team should have a working knowledge of statistical quality control, especially sampling and probability, to evaluate quality control outputs.



Project Human Resource Management To Develop Project Management Plan 1 Organization charts and position descriptions 2 Networking 3 Organizational theory

#### Acquire Project Team

Acquire Project Team is the process of confirming human resource availability and obtaining teams necessary to complete project assignments. The project management team may or may not have direct control over team member selection because of collective bargaining agreements, use of subcontractor personnel, matrix project environments, internal or external reporting relationships or other reasons. The project manager or project management team should effectively negotiate and influence others who are in a position to provide the required human resources.



#### Manage Project Team

Manage Project Team is the process of tracking team member performance, providing feedback, resolving issues, and managing changes to optimize project performance. The project management team observes team behavior, manages conflict, resolves issues, and appraises team member performance. Managing the project team requires a variety of management skills for fostering teamwork and integrating the efforts of team members to create high-performance teams. Project managers should provide challenging assignments and recognize top performers.



## **Plan Communications**

Plan Communications is the process of determining the project stakeholders' information needs and defining a communication approach. This process responds to the information needs and communications needs of stakeholders: for example who needs what information, when they will need it, how it will be provided to them, and by whom. While all projects share the need to communicate project information, the informational needs and methods of distribution vary widely. Communications planning should be performed very early in the project.



# **Manage Stakeholder Expectations**

Manage Stakeholder Expectations is the process of communicating and working with stakeholders to meet their needs and addressing issues as they occur. The process involves communication activities directed toward project stakeholders to influence their expectations, to address their concerns, and to resolve issues. Actively managing stakeholder expectations increases the likelihood of project acceptance by negotiating and influencing their desires to achieve and maintain the project goals. Addressing concerns that have not become issues yet can reduce conflict.



## **Plan Risk Management**

Plan Risk Management is the process of defining how to conduct risk management activities for a project. Careful and explicit planning enhances the probability of success for the other risk management processes. Planning risk management processes is important to ensure that the degree, type, and visibility of risk management are commensurate with both the risks and the importance of the project to the organization. Planning is also important to provide sufficient resources and time for risk management activities and to establish an agreed-upon basis for evaluating risk.



# **Perform Qualitative Risk Analysis**

Perform Qualitative Risk Analysis is the process of prioritizing risks for further analysis or action by assessing and combining their probability of occurrence and impact. Organizations can improve project performance by focusing on the high-priority risks. Perform Qualitative Risk Analysis assesses the priority of identified risks using their relative probability or likelihood of occurrence, the corresponding impact on project objectives if the risks occur, as well as other factors such as the time frame for responses, participant risk attitudes, and the organization's risk tolerances.



#### From Plan Risk Management, Identify Risks

#### Tools & Techniques

- .1 Data gathering and representation
- techniques .2 Quantitative risk analysis and modeling
- techniques
- .3 Expert judgment

MA W W

MSI

### **Plan Risk Responses**

Plan Risk Responses is the process of developing options and actions to enhance opportunities and to reduce threats to project objectives. It follows the Perform Qualitative Risk Analysis process and the Perform Quantitative Risk Analysis process (if used). It includes the identification and assignment of a risk response owner (one person) to take responsibility for each agreed-to and funded risk response. Plan Risk Responses addresses the risks by their priority, inserting resources and activities into the budget, schedule, and project management plan as needed.



#### **Plan Procurements**

Plan Procurements is the process of documenting project purchasing decisions, specifying the approach, and identifying potential sellers. It identifies project needs which can best be, or must be, met by acquiring products, services, or results from outside of the project organization versus those project needs which can be accomplished by the project team. This process involves consideration of whether, how, what, how much, when to acquire, and potential sellers (suppliers), particularly if the buyer wishes to exercise influence over acquisition decisions.



## **Administer Procurements**

Administer Procurements is the process of managing procurement relationships, monitoring contract performance, and making changes and corrections as needed. Both the buyer and the seller will administer the procurement contract for similar purposes. Each must ensure that both parties meet their contractual obligations and that their own legal rights are protected. The Administer Procurements process ensures that the seller's performance meets procurement requirements and that the buyer performs according to the terms of the contract.

