

What are the main processes in project quality management?

The main processes in quality project management is **planning quality management**, **managing quality**, and **controlling quality**. These three things help achieve stakeholder satisfaction and the best quality for whatever project or product you are trying to produce.

Planning quality management helps you identify which quality standards are more important and efficient to the project and how to satisfy the project needs. Inputs for this might include a project charter, project management plan, project documents like a WBS, as well as organizational process assets. To create these we would need data gathering, data analysis, and decision making. All this leads us to quality metrics, project management plan updates and project document updates.

Managing quality has to do with turning the quality management plan into activities that can be best executed. Inputs for this may include project management plan, project documents like a WBS, as well as organizational process assets. For this we need to have audits, data gathering, data analysis, data representation and also problem solving. Leading us to good quality reports, change requests, and test and evaluations documents.

Controlling quality has to do with monitoring the project results to make sure they are up to date and they comply with quality standards and finding ways to improve the quality. The process usually consists of the technical tools and techniques of quality management like charts and sampling. Inputs for this may include deliverables, work performance data, enterprise environmental factors, approved change requests and more. To do this we will need data gathering, data analysis, meetings, data representation, inspection and more. Leading us to quality control measurements, verified deliverables, and updates on the project management plan and project documents.

All three of these processes lead to a better project outcome by satisfying stated stakeholder needs, adhering to the requirements, and most importantly delivering items that are supposed to be delivered and are fit for use. Without these processes the project can lead to serious problems and major financial losses all because the quality wasn't on point or the project/products didn't perform the way it was supposed to.