Project Quality Management Overview

8.1 Plan Quality Management

.1 Inputs
.1 Project management plan
.2 Stakeholder register
.3 Risk register
.4 Requirements documentation
.5 Enterprise environmental factors
.6 Organizational process assets

.2 Tools & Techniques
.1 Cost-benefit analysis
.2 Cost of quality
.3 Seven basic quality tools
.4 Benchmarking
.5 Design of experiments
.6 Statistical sampling
.7 Additional quality planning tools
.8 Meetings

.3 Outputs
.1 Quality management plan
.2 Process improvement plan
.3 Quality metrics
.4 Quality checklists
.5 Project documents updates

8.2 Perform Quality Assurance

.1 Inputs
.1 Quality management plan
.2 Process improvement plan
.3 Quality metrics
.4 Quality control measurements
.5 Project documents

.2 Tools & Techniques
.1 Quality management and control tools
.2 Quality audits
.3 Process analysis

.3 Outputs
.1 Change requests
.2 Project management plan updates
.3 Project documents updates
.4 Organizational process assets updates

8.3 Control Quality

.1 Inputs
.1 Project management plan
.2 Quality metrics
.3 Quality checklists
.4 Work performance data
.5 Approved change requests
.6 Deliverables
.7 Project documents
.8 Organizational process assets

.2 Tools & Techniques
.1 Seven basic quality tools
.2 Statistical sampling
.3 Inspection
.4 Approved change requests review

.3 Outputs
.1 Quality control measurements
.2 Validated changes
.3 Validated deliverables
.4 Work performance information
.5 Change requests
.6 Project management plan updates
.7 Project documents updates
.8 Organizational process assets updates

Figure 8-1. Project Quality Management Overview