



## Test project planning

**The Test Project Planning service offers project management an insight into the costs of a testing project and a clear plan for test project execution.**

The outcome of the service is the master test plan which specifies:

- How to scope test areas and focus test efforts
- How much the testing with a given scope will cost
- What kind of risk reduction can be achieved with a given testing budget
- What kind of testing environment is needed in the testing project
- Feasibility of the use of test automation in the testing project
- How to optimize resourcing for the testing activities

### Service description

The service is executed in four phases, where cycles of planning and specification are conducted simultaneously:

**Analysis** – All relevant input information is gathered and analyzed. This forms the basis for carrying out the service and giving maximum benefit to the organization.

**Planning** – The test strategy is based on the analyzed input information. Test areas are specified and the required amount of work effort per test area is estimated. Test environment and test tool requirements for the testing project are specified, and the total work effort estimation is calculated.

**Specification** – Plans produced in the planning phase are documented in the master test plan. Organization for the test project is defined, listing roles, responsibilities and necessary competencies. Existing test practises are identified. In case that current test process does not exist, basic process will be defined.

**Handover** – The master test plan is reviewed and refined according to the comments made during reviews. Finalised material is handed over once the master test plan is approved.



### Service Benefits

**Information to support decisions** – A well argued master test plan provides information for test project decision-making.

**Management commitment** – A well founded master test plan acts as a catalyst for management commitment to the testing project.

**Fluent start for the test project** – The master test plan contains lists of necessary resources, including human resources, hardware and software. Well planned actions facilitate a painless commencement to the execution of a test project.



## Service Benefits continues

**Efficient risk management** – The master test plan demonstrates risks and costs of the testing project at the very beginning. Unpleasant surprises can be avoided both during and at the end of the project.

**Desired level of quality** – The Test Project Planning service helps to optimise the balance between quality, budget and time-to-market, to meet project goals.

**Compensate for shortcomings of expertise** – The Test Project Planning service offers efficient means of executing test planning tasks when competence in test planning is unavailable within.

**Optimised use of resource options** – The master test plan provides recommendations for testing activities that might possibly be outsourced.

**Help in efficiently managing complexity**– Efficient planning makes it less demanding manage projects with multiple sites, time zones or vendors.

**Efficient communication** – The master test plan provides an efficient way of sharing information both internally and externally.

## Service lifecycle

**Delivery** – Test Project Planning will produce the master test plan with a set of important reference materials. The master test plan will be produced according to Qentinel best practices, universally accepted de facto standards and IEEE Standard for Software Test Documentation (IEEE 829). Reference materials include work effort estimation calculation, test environment description and test area definitions among others.

**Next step** – After delivery of the service the customer is ready to make decisions on how to proceed with the test project based on the information produced. If the testing project is deemed feasible, the customer can request detailed offers of testing project execution or start execution with own resources based on the master test plan.



INPUTS AND OUTPUTS OF TEST PROJECT PLANNING SERVICE

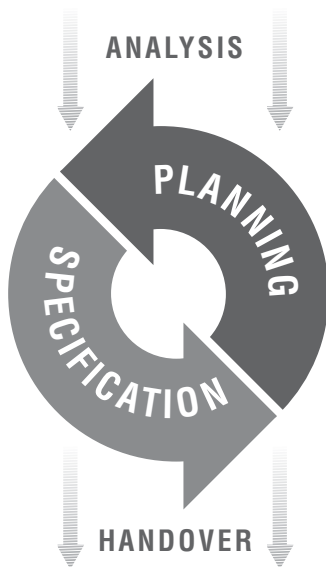
## Qentinel

Qentinel is a leading Finnish provider of software quality assurance services. We help our customers in software quality assurance and testing, ranging from test planning and management to implementation and automation of testing. Our customers are organizations for whom the quality of their software and IT systems is an important success factor.

For further information on our services, please visit our web site.

## Contact information

Web [www.qentinel.com](http://www.qentinel.com)  
 E-mail [info@qentinel.fi](mailto:info@qentinel.fi)  
 Tel +358 9 2517 7177  
 Fax +358 9 2517 7176



THE WORKFLOW OF TEST PROJECT PLANNING