Test Policy Document
The company believes that software testing is important, because a large amount of cost and resource can be saved - early discovery and correction of errors prevent spending a lot of time and money later during maintenance and repair.
The policy defines the aims of testing, then describes the test process, mentions the test evaluation and the quality level to be achieved, and finally documents the approach to the improvement of the test process.
The goal of testing is to adhere to the requirements, to create software that gives the users efficiency and user experience. The essence of the software testing approach is that testing activities start with the beginning of development life cycle, conforming to the requirement specification. It follows that testing tends towards compliance of requirements and defect reduction. The chosen test improvement process is TMMi.
The testing process follows the chosen model and IEEE standards. The defined test levels are unit test, system test, integration test and user acceptance testing. Acceptance testing is carried out by the users, so only minimal testing effort is required from the organization (to prepare an environment or assemble the installation package). The above-mentioned four test levels are associated with each of the following activities:
- Planning, monitoring and control
- Analysis
- Design
- Implementation
- Execution
- Evaluating exit criteria and reporting
- Test closure activities
Regression testing is also used, mostly in unit testing. Reviews are also used on the specifications and other written work products.
Test automation tools are implemented, which used generally to help execute unit and regression tests.