

Service : Process Optimization

Purpose

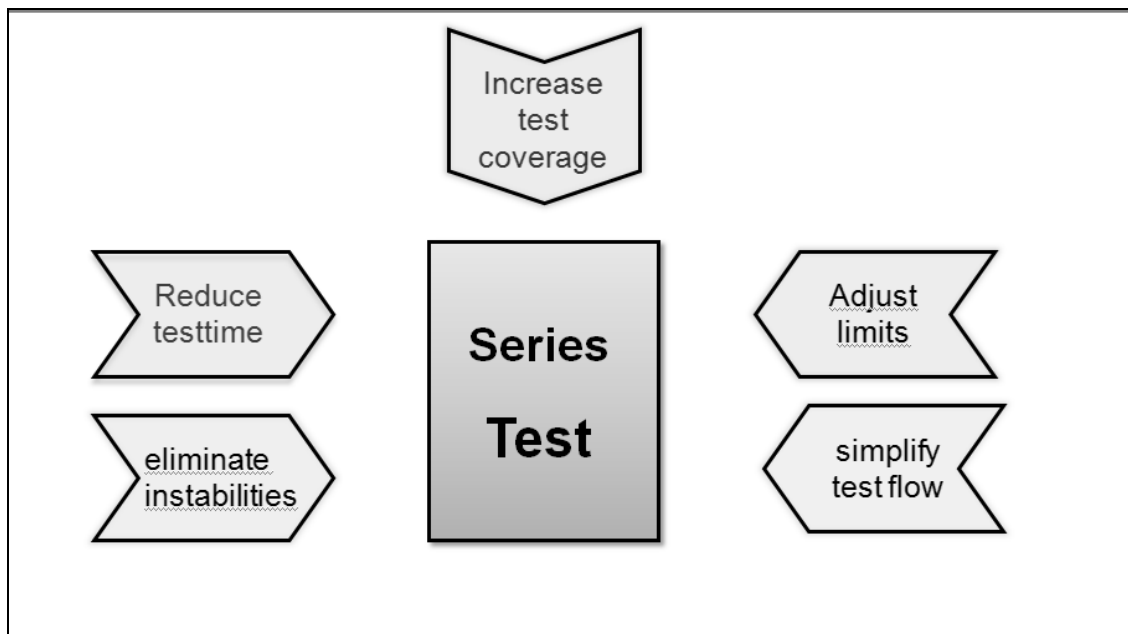
Improvement and optimization of test flow and test program based on test data and analyses from pervious test.

In particular as completion of the ramp-up phase.

Main goals

- improve stability of tests
- simplify flows
- reduce test time
- improve test coverage

Drawing : potential optimizations after Ramp Up



Benefits

Instable test are a permant source of annoyance. Complex test flows bear risks and long test times cost money.

Improvement efforts will pay off soon.

Bluetest Expertise

The principle of continuous improvement is part of all our processes. We work out improvement proposals from analysis and we implement those systematically.

This approach is translated into the process of test optimization with good know-how and experience.

Activities Participants

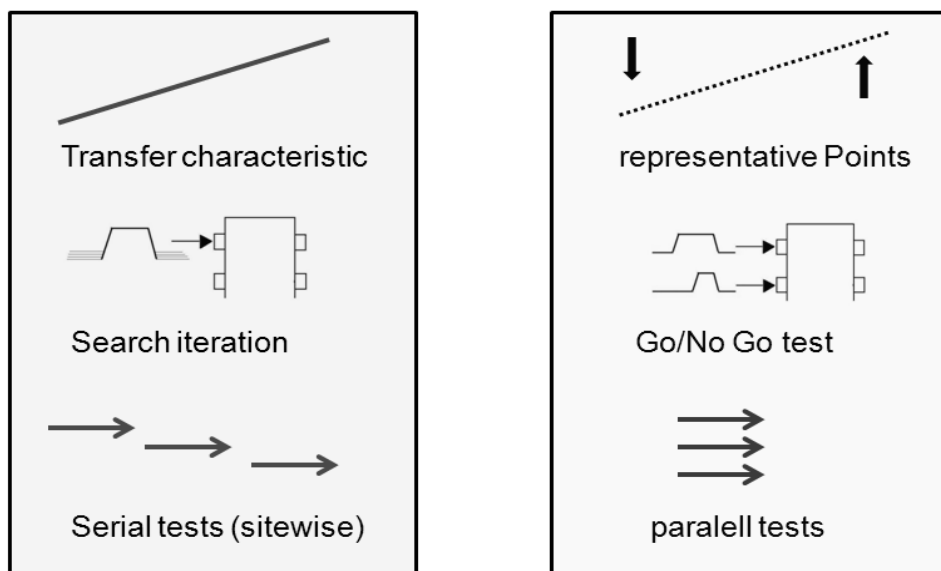
Design, application, quality manager
test engineer, product support, test

Requirements, Input

A catalogue of measures set up from test data, statistics and paretos.

Performance

After approval by all responsible parties the catalogue is realized. The way implementation is depending on the measure.
Here some examples showing ways of test time reduction.



The long test sequences in the left block provide much information. The block on the right offers short test times with less information.
This illustrates that data collection and analysis should be prerequisites for such kind of optimizations.

Result, Output

At the end of the process the test program and test flow will be different.
The release for testing follows the standard acceptance procedures.

Bluetest, 18.2.2013