TEST PROCESS IMPROVEMENTS
- EVALUATE YOUR TEST PROCESS RAPIDLY

Efficient and methodical testing is an effective way of safeguarding product quality. Consequently, Prevas offers a tool providing rapid insight into current test processes as well as short- and long-term improvement possibilities, usually indicating a significant savings potential.

In today's business climate, conditions change at a rapid rate. The productivity of developers is constantly rising and customers demand ever higher product quality.
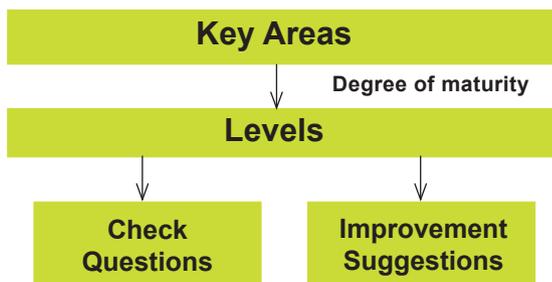
HOW GOOD IS YOUR TEST PROCESS?
This deceptively simple question may actually be quite difficult to answer. Testing is often a nebulous and cumbersome process. It often takes longer time and costs more than expected. Low quality of testing may lead to exposing the business processes to too high risks while inefficient testing leads to higher costs. So what should one do?

IMPROVE YOUR TESTING
WITH TEST PROCESS IMPROVEMENTS
The model below facilitates identification of improvement potential in test processes and provides insight into the "degree of maturity" of testing within your organization. On the basis of this knowledge, step-wise and measurable improvements to your test processes can normally be found easily.

Test Process Improvements addresses the different aspects of testing and investigates the usage of test tools, as well as the procedures for design and reporting. By evaluating the different aspects (the key areas), the strengths and weaknesses of the process comes readily to the fore.

The model covers 20 key areas in all. To define the states of the different areas, each one is divided into levels (from A to B to C, etc.). The number of levels increases when time consumption falls, when cost falls, and/or when the quality improves. All levels and key areas are related to one another in a Maturity Matrix, providing a good basis for prioritization and identification of relationships between levels and key areas.
In the matrix, each level is related to a specific grade of test maturity, finally resulting in 13 such grades. In this way, the model helps you to quickly, in just a couple of days, to identify how efficient your test processes are, as a basis for the introduction of improvements.

REACHING A HIGHER LEVEL
Consequently, the key areas, the levels, and the maturity matrix are used to identify strengths and weaknesses in the existing test process and to identify improvement potentials. Filling in the maturity matrix aids in the evaluation of contemplated improvements. The requirements for every level are defined in a list of check questions, which must be answered with "yes" to qualify for a certain level. The check questions make it possible to evaluate the levels objectively and to make the sum total of evaluations easy to interpret. The suggested measures for improvement are described in the form of resulting levels. The check questions contribute to defining which measures are required to reach a higher level. In addition, the model aids in the process of defining improvement measures, supporting the overall objective: to improve the overall test process. These hints and ideas will help your company reach the desired level of testing efficiency and help you take control over your test processes in only a couple of days.

A USEFUL TOOL
You may get the impression that using the model results in improved testing automatically. This is, however not necessarily true. Instead, the model should be seen as a tool, capable of supporting you and

Key Areas	0	1	3	4	...	13
Test Strategy		A				
Life Cycle		A		B		
Reporting		A	B			
Etc.						

your company when you identify a need to improve the test process and to bring about more efficient communication. Improvements to processes necessitates a high level of knowledge and expertise. Thanks to their knowledge of industrial rationalization, our test and operation specialists are able to help you achieve a cost-effective test process.

CONTACT:
hans.nystrom@prevas.se, www.prevas.se

Prevas
Innovation for Growth

With leading expertise in embedded systems and industrial IT, Prevas contributes by providing innovative solutions that create growth. Prevas was founded in 1985 and is the main supplier and development partner to leading companies in industries such as life science, telecom, automotive, defense, energy and engineering. Offices are located in Sweden, Denmark, Norway and India. The company has just over 600 employees. Prevas has been listed on the NASDAQ OMX Nordic exchange in Stockholm since 1998.