

Title / Titel

## Testing and lean development

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Speaker(s) / Referent(s)

Nordstrom, Ingvar (1); Karpinska, Beata (2) /

1: Scania CV AB, Sweden; 2: Diversify AB (SE)

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To whom is the presentation addressed? / An wen richtet sich der Beitrag?

Testers, Test Managers, Project Managers

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Keywords / Stichwörter

Lean, Testing

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Abstract / Zusammenfassung

Testing and Lean development

The word lean was originally popularized in 1990 to characterize the Japanese approach to automobile industry.

Although the approach in the beginning was to improve the manufacturing, the ideas have been spread to also include R&D, software development and also testing.

Some of the cornerstones for lean development can be summarized as Just In Time, Demand Driven Output, Stop The Line and Continuous Improvements.

This presentation will show how lean, from testing point of view, is interpreted and used in real life by example from some organizations. This will show that testing cannot improve by its own, but need close cooperation with other disciplines within software and system development. Testing is also dependent on the structure in an organization as well as how the responsibilities and authorities are delegated.

The presentation will show how some basics from lean development is used in an organization that has transferred the experiences from production into R&D and how one important area, continuous improvements, is used as a driving force to improve the testing

Areas also covered are how testing knowledge and competence are developed as well as process and methods for testing.

Presentation key points

- The five principles comprising lean
  - How the lean principle continuous improvements, including testing, is used in an organization.
  - How a testing organization is structured to be fit for lean development.
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The subject matters that will be covered by this presentation are

- Test governance
- Test organization
- Test management
- Test process improvement and optimization

The presentation will be made by Beata Karpinska and Ingvar Nordstrom

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### **Biography / Biografie**

Beata Karpinska

Beata has more than 10 years of testing experiences. She has worked as tester, test analyst, test leader, test manager and has also conducted training courses for more than 200 testers. Currently Beata works as test manager at Diversify.

Beata is Vice Chair of the Swedish National Board for ISTQB certification (SSTB). She has also made speeches at Swedish testing conferences.

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Ingvar Nordström

Ingvar has more than 40 years experience in testing. He has worked as tester, test leader and test manager after a career mixed with offshore support and maintenance. Currently he works at Scania as senior test advisor

Ingvar is Chairman of the Swedish National Board for ISTQB certification (SSTB). He was also co-author to the paper 'Managing test cases using database concepts' at EuroSTAR 2001 and also made speeches at Swedish testing conferences.

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