

IT Quality Nordic Institute - The forum for us working with quality in IT

ITQs annual conference May 24, 2013

This year in collaboration with REQB

At Conference Westmanska Palatset, Stockholm

How to improve your Requirement Engineering work

Requirement Engineering from a process perspective, how to get a holistic view of Requirement Engineering. What is the future direction of Requirement Engineering, what to focus on?

Speakers:

Neil Maiden, Keynote speaker

Alain Ribault

Eric Riou du Cosquer

Karolina Zmitrowicz

Jan Törnebohm

Torbjörn Aune

Beata Karpinska

Werner Henschelchen, GASQ

Moderator Folke Nilsson, Chairman REQB

ITQ Nordic Institute Spring conference 2013

ITQ Nordic
Institute
Forum för information och kompetensutveckling


Requirements
Engineering
Qualifications Board

Background

It is widely acknowledged within the software industry that software development are critically vulnerable when the Requirements Engineering activities are performed poorly. This understanding of the problem has created a growing interest to work with Requirement Engineering.

The term “requirements engineering” is widely used to describe the process of systematic handling of requirements. This conference is aimed to help the participant to understand how more focus on the RE process will help them and their organisation to achieve a better Quality in their solutions and systems.

For many companies defining the successful requirements process means they have to define processes involving complex, tightly coupled activities (both sequential and concurrent) as well as tailoring processes depending on business needs, domain and the way of working with solution development. Therefore will this conference both give the participants a very good overview of the full spectra and content of RE as well as many very useful examples of how leading organisations have worked with RE to solve their problems and improve, and their experiences with that work.

REQB is today a leading certification scheme in the field of Requirements Engineering.

Professionals from more than 35 countries have been certified according to that standard.

The Requirements Engineering Qualifications Board (REQB) was established in 2006. REQB is supporting this Conference as part of creation of the awareness about Requirement Engineering.

Moderator

Folke Nilsson, ITQuality Nordic Institute
Folke works as Operational responsible for ITQ and has been involved in the work with Requirement Engineering for over 30 years, the first 15 on the supplier side and later on more focused on the customer part. Folke is also elected as Chairman for the REQB.

Keynote Speaker

Neil Maiden, Professor of Systems Engineering at City University London.

He is and has been a principal and co-investigator on numerous EPSRC- and EU-funded research projects. He has published over 150 peer-reviewed papers in academic journals, conferences and workshops proceedings. He was Program Chair for the 12th IEEE International Conference on Requirements Engineering in Kyoto in 2004, and is Editor of the IEEE Software's Requirements column. His details are available at <http://www-hcid.soi.city.ac.uk/p/Neilmaiden.html>.

Alain RIBAUT, is the CTO of KEREVAL, a French testing lab. Alain has 20 years of experience in software engineering in different domains: embedded systems, security products and systems, mobile devices and information systems in general. Since 10 years, Alain is actively involved in testing engineering to improve the

quality of products and systems and testing processes. Alain wants to push requirements engineering due to the close link between requirements and tests. He is “REQB Technical Director” in France and responsible of the improvement of the future Advanced Level REQB Syllabi”

Eric RIOU du COSQUER, Certilog

After 10 years as a developer, tester and test manager for Orange, Eric RIOU du COSQUER now works for Certilog on large IT projects. Audit, Consulting and Training are his main activities to improve the quality for Software and Information systems by meeting the requirements of the Business Owner and users. Eric bases his work on the most useful standards (as those mentioned by REQB and ISTQB) and on his experience in large IT organizations and projects..

Karolina Zmitrowicz, started her professional experience as a Quality Assurance specialist working on international projects in banking sector. She has worked with leading financial organizations in South Africa, Netherlands, Austria, Slovakia, Italy and Poland. Currently working as System Analyst and trainer in Requirements Engineering and Quality Assurance fields. Karolina is the author of several publications in QA and BA area.

Jan Törnebohm, Visuera, has a broad experience in delivery of complex IT-based solutions and product development. The integration technology AMTriX was developed under the guidance of Jan and launched globally in the 90's. The past decade Jan has worked as a consultant with business process reengineering mainly within the public sector. Requirement engineering with a model-based approach has been common denominator for these assignments. Jan is also responsible for product development at Visuera

Torbjörn Aune, E-builder, works as a Senior project manager and supplies cloud processes for administrative process atomization.

Torbjörn has worked as a Project Manager and Consultant in this domain since the mid 90s and is responsible for the delivery process of eProcurement at eBuilder. Previous positions include project management, consulting and education within the Telecom area. Torbjörn holds an MSc degree in Engineering.

Beata Karpinska, REQB Sweden, is an experienced professional in both requirements and testing areas. She has worked as business analyst, test analyst, test manager within banking and finances and military area. She has developed and conducted training courses in testing and quality assurance. Beata works as System Quality Architect at Swedish Armed Forces and is chairman for SQEB, Swedish National Board and representative for REQB in Sweden.

Werner Henschel, General Secretary GASQ, is one of the initiators of REQB. Werner has more than ten years experience in the field of IT-certification as part of ISTQB, TickITplus, IntRSA, REQB and several other schemes.

Sign up and register at www.itqnord.se

08:30 Registration

09:00

Folke Nilsson Chairman REQB and ITQ, introduction to the conference. Requirement Engineering from a process perspective, how to get a holistic view of RE

- *Is there a Requirement Engineering process and what activities will it cover*
- *In what way will the activities for Requirement Development and Requirement Management support each other*
- *How will Requirement Development be effected of different development approaches*

10:10 Coffee Break

10:30

Keynote Speaker Neil Maiden, Professor of Systems Engineering at City University London, Creativity and Innovation in Agile Requirements Processes

Agile processes seek just-enough requirements. However, this focus on simple software solutions can be at the expense of ones that meet more creative requirements and quality requirements on the resulting systems over time. To explore alternatives, this keynote will make the case for creative thinking in requirements processes more generally. It will report the extension of one agile process with creativity techniques in a project in a large media organization. Evidence revealed that the requirements generated with the process as more novel than baseline epics from the product backlog of the same project, while usefulness of the requirements increased overall after incubation over the duration of a sprint. Implications for requirements work in agile processes more generally are explored.

12:00 - 13:00 Lunch

13:00

Éric RIOU du COSQUER and Alain RIBAUT, Implementation of the requirement development and management process in the Information System division of a large telecommunication group: from theory to practise!

Even a large company, with hundreds of projects a year,

may have forgotten to define, and thus to implement, one of the most important processes: the requirement development and management process. The speakers will address the challenges they had to face, in practise!

- *Why do we need a requirement development and management process?*
- *What is the "state of the art" about requirements or what can we use to avoid starting from scratch?*
- *How to identify the right stakeholders and make them cooperate efficiently in the process definition?*
- *How to make the difference between essentials and non-essentials?*
- *How to widely deploy the process within different entities and teams?*
- *How to measure the efficiency of the process and continuously improve it?*

13:45 Break

13:55

Éric RIOU du COSQUER and Alain RIBAUT, Traceability within, from, and to the requirement repository: what is it about? What for? And how to implement and monitor it efficiently?

The word « traceability » belongs to the software development vocabulary. Used everyday, it corresponds to a concept widely agreed: it is necessary to implement traceability links between different items manipulated throughout the development process, from the business needs to the code. The main goal is to ensure, and to be able to demonstrate, that the needs of the customer or the final user have been properly explained, understood, implemented, verified and accepted within the allocated time and budget, and also that the final product will be easy to maintain.

In this presentation we will raise a couple of questions that will guide the participants towards a better understanding of the traceability and the means to successfully implement it:

- *What about traceability?*
- *Which items are involved?*
- *Which links are useful and why?*
- *How to implement these useful links and follow-up the traceability?*

14:40 Coffee Break

8 reasons to participate

1. Share the knowledge of skilled experts in the field of requirement engineering
2. Learn new ways to work with requirements engineering
3. Learn what's important and what roles you need to implement to get it right
4. Find out how the new agile methods influencing the requirement work
5. How to get a better customer focus with requirements engineering
6. How do you reduce the quality and development costs
7. Meet colleagues in other operations enlarging your network
8. Get a new impetus to the improvement in your own operations



AVSÄNDARE
ITQ Nordic Institute
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15:00

Karolina Zmitrowicz, Minimize the project risk - build good business requirements.

The necessity of good business analysis seems to be commonly known in IT would. Then why do we make the same mistakes over and over again? We write business requirements, which do not allow designing the solution correctly. We write business requirements, which do not allow proper stakeholders' needs validation and solution verification. Sometimes we write business requirements which are not in line in real business needs...

The presentation aims to demonstrate main problems related to business requirements, and their most serious consequences. It will also show on examples how to avoid these problems and build good, business- and needs-compliant, testable and valuable, business requirements.

15:40 Break

15:45

Jan Törnebohm and Torbjörn Aune,
How to develop complex solution with Requirement based on Business process description.

- *How to describe business requirement that users understand and can review*
- *What requirement you need to complement to make a procurement specification*
- *How to do a Requirement analyse of process based requirements*
- *What you need to do to make them as development requirement*
- *How to handle formal Change control in a partner arrangement*

16:30

Werner Henschelchen and Beata Karpinska REQB,
Certification and Competence in the field of RE

16:50 Conclusion of the conference

17:00 End

About ITQ Nordic Institute

ITQ is an inspiring skills network for people working with quality in IT. We focus on you acting as a manager, quality manager, project manager, or otherwise dealing with quality issues. By offering our members relevant seminars, conferences and training courses, we build a platform for exchanging information and experiences. As an ITQ member we give you access to the latest relevant information in the IT-quality world. Join ITQ as a member! Learn more about membership on www.itqnord.se.

Registration to ITQs annual conference May 24, 2013

Venue:

Westmanska Palatset, Holländargatan 17, 111 60
Stockholm, Phone: 08-783 14 90

Fees:

Attendance: 4000 SEK (450 EUR). Members 3500 SEK (350 EUR), VAT not included. Application for membership in conjunction with registration gives member price. The invoice will be sent together with confirmation. The booking may be transferred to other employee of invoiced company. Registration is non refundable after the 25 of April and must be paid before the conference.

Cancellation must be in writing. Cancellation prior to April 25 will be charged with an administration cost of 450 SEK (45 EUR)

Registration to be made at www.itqnord.se. Enquiries can be made to : info@itqnord.se.

ITQ Nordic Institute reserve the right to make corrections, enhancements, improvements and other changes to the program if needed.

ITQ Nordic Institute

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