
Collaboration breeds Innovation!

There is **Limited** research on **Acceptance Test-Driven Development** in **Large Scale** complex product development.

By collaborating together we hope to:

- 🕒 **Find** new and **Innovative** ways to introduce A-TDD into **Large Scale** Complex Product Development
- 🕒 **Maximize** your chances of **Success** with A-TDD introduction in your development practices.
- 🕒 **Explore** the frontier of **Change** adoption



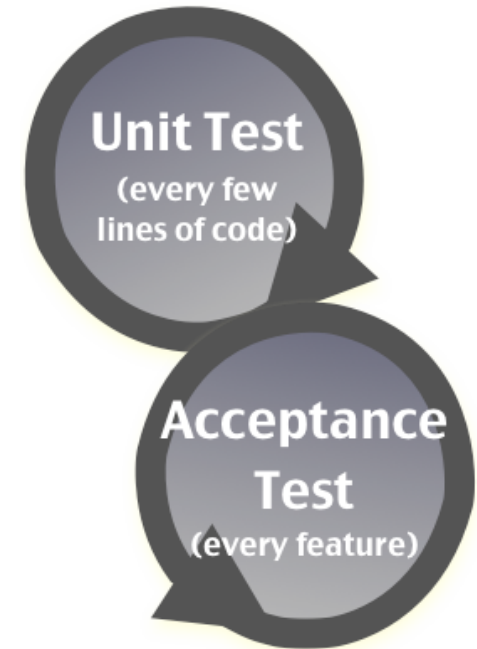
MC Escher

Drive towards coherent system design, testability, and quality.

What is, and why do we want to implement A-TDD?

Story + Acceptance Test Requirement

- 🕒 **Acceptance** tests are needed to show **Done-Done** at the Story level
- 🕒 **Written in Behavior-driven** text (exactly how the **Customer** defines done!)
- 🕒 **Large Requirements** get broken down into **Testable stories** by elaborating on the scenarios.
- 🕒 **Executable Requirements** documentation are the **Automated acceptance tests**



A-TDD Research Collaboration

If you are thinking about introducing **Acceptance Test-Driven-Development** into large scale networking or telecom product development, this opportunity is for you.

Our goals:

- 🕒 Collaborating on a framework for introducing **Acceptance Test-Driven Development** in large, complex product development
 - 🕒 Iterating and improving on that framework
 - 🕒 Publishing the resulting research, identifying all critical success factors.
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We'd love to collaborate with you, especially if you are doing large-scale, complex product development!

Product Characteristics:

- ☉ At least one million lines of code, large legacy code base preferred.
- ☉ Multi-node or multi-network element product preferred.
- ☉ Product could be mission-critical, high-reliability (5-nines or carrier grade)

Organization Characteristics:

- ☉ Large distributed multi-site organizations preferred (with project teams at the release-level exceeding 100 people).
- ☉ Low to moderate levels of Agile adoption across the organization.

Timeline:

- ☉ Committee selection: April 30, 2010
- ☉ Project criteria identified: May 10, 2010
- ☉ Projects selected June 1, 2010
- ☉ Candidates projects identified launch: June 30, 2010 - July 30, 2010
- ☉ Survey feedback: December 30, 2010

COLLABORATIVE WIKI

A wiki is available to research collaborators to share their information. <http://www.cll-group.com/collaborative-wiki>

INTRODUCING ACCEPTANCE TEST-DRIVEN DEVELOPMENT IN LARGE, COMPLEX PRODUCT DEVELOPMENT

Collaboration breeds Innovation - Join us!

RAJ MUDHAR

Raj is currently leading the Agile transition in the W-CDMA business at ALU, serving a population of 3000 as transformation servant-leader. With over 15 years of development experience in large-scale telecom software, he began his career at BNR, designing carrier-grade software for carrier-grade reliability.

Raj was one of the pioneers in outsourcing partnerships, creating best-in-class development teams in India at Nortel Networks. He continued his telecom career in 2007 moving to ALU where he was instrumental in setting up and running R&D partnerships with LG-Nortel, deploying the nation-wide W-CDMA network with two major operators in Korea.

Raj is based in Ottawa, Ontario, Canada

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CATHERINE LOUIS

As founder of CLL-Group, Catherine's focus is on helping organizations transition from traditional (waterfall) project-driven governance to adopting Agile/Scrum in a Lean, continuous flow framework. Her focus is not just on the R&D development teams, rather it is on the end-to-end flow from the "idea" phase at the front-end of development, through to full support of large, multi-customer based established products involving Channel Partners, Supply Management, Operations and Offshore partners.

Catherine has over 20 years of software development experience in complex product development in large telecommunications firms. Her focus is on Agile methods, Agile R&D, and managing Organizational Agile transitions: Enabling change to build speed and flexibility in business.

Catherine is based in Raleigh, North Carolina, USA.

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