

The Revolution to Come

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The Continuing Gap

- Both the state of the art and the state of the practice are moving forward.
- There remains a wide gap between the state of the art and the state of the practice.
- Ways to more effectively and quickly narrow the gap are emerging, but are not yet in wide use.

On Evolution

- The CMM[®] has been described as “an evolutionary approach.”
- Evolution takes time.
- Watching evolution happen can become a bit boring!
- Let’s “kick it up a notch!”

The Revolution to Come

- Based on lessons learned from the “evolutionary” approach, a more powerful solution.
- Starting from the “what” in the CMM, the revolution shall be driven by the “how.”

Key Elements of the Revolution

- Focus on the project teams and the work of the individual engineers.
- Specific and in-depth how-to training and guidance.
- Coaching.
- High motivation.
- Simplicity.
- Focused use of data.

Focus on the Project Teams and Engineers

- High performance can only be achieved by effective implementation by the individual engineers working together effectively as a team.
- The revolution will focus in where the work is done – by individuals and their teams.

In-Depth How-to Training and Guidance

- Intense exercise-based training based on model processes.

Coaching

- Expert on-the-job coaching of the project team.

High Motivation

- Excellence is achieved by teams that are highly motivated.
- The clear, powerful effectiveness of the revolutionary approach will be a motivator.
- The teamwork aspects of the revolutionary approach will lead to people motivating and supporting each other.

Simplicity

- “...as simple as possible, but no simpler.”
- Brief, yet complete, process descriptions.
- Natural processes and measures.

Focused Use of Data

- Statistical control.
- Based on a few key base measures:
 - Size
 - Effort
 - Defects
 - Schedule
- Quantitative control of quality.
 - Inspections as a source of data on quality.

When Will the Revolution Happen?

- Within the next couple of years?
- After early adopters share their results?
- After all the current managers retire, and you take their place?
- When you decide to make it happen?

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