

Benefits of Capability Maturity Model (CMMISM) Implementation in Small and Medium Sized Organizations CMMISM Model Introduction

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Abstract

This presentation will be focused on introducing the benefits of implementing a process improvement program using the Capability Maturity Model CMMISM to small and medium sized organizations.

1. Introduction/Overview

Since it's official introduction in 2006, the CMMI model has become the defacto standard for improving product development processes throughout the world. In today's global economy the competition and stakes for gaining market share in software intensive products is more fierce than in history. For this reason, companies have leveraged CMMI for the three primary business objectives of 1. delivering a high quality product 2. on-time delivery and 3. within budget. The focus of the presentation will be on how smaller to medium sized companies have used the model to acheive these goals using the CMMI.

2. Objectives

The Objectives of this speech are as follows:

1. To introduce the history of CMMI (where it came from and how it achieved world renowned status.
2. To introduce the content and makeup of the model
3. To show actual benefits through real-world examples the benefits that companies have achieved throughout the globe.
4. To outline the approach companies take in starting a process improvement initiative.
5. To show how smaller to medium sized companies have economically implemented successful process improvement programs.

2. Speech Topics

The follow slide "excerpts" provide an overview of the presentation topics: (each topic will be further elaborated comprising the 20 minute speech)

Agenda

- Purpose and background of CMMI
- Overview of Staged and Continuous representations of CMMI
- Overview of Staged Maturity Levels
- Describe common benefits delivered by Process improvement programs
- Initiating a process improvement program and the role of Executive Management
- Organizational change management challenges and approaches



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Process Improvement using CMMI
Executive Overview
Slide 2



Process Areas of CMMI Staged Representation by Category

Maturity Level	Focus	Process Areas
5 Optimizing	Continuous Process Improvement	<ul style="list-style-type: none"> • Organization Innovation and Deployment • Causal Analysis and Resolution
4 Quantitatively Managed	Quantitative Management	<ul style="list-style-type: none"> • Organizational Process Performance • Quantitative Project Management
3 Defined	Process Standardization	<ul style="list-style-type: none"> • Requirements Development • Technical Solution • Product Integration • Verification • Validation • Organizational Process Focus • Integrated Project Management • Risk Management • Decision Analysis and Resolution • Organizational Process Definition • Organizational Training
2 Managed	Basic Project Management	<ul style="list-style-type: none"> • Requirements Management • Project Planning • Project Monitoring and Control • Supplier Agreement Management • Measurement and Analysis • Product and Process Quality Assurance • Configuration Management
1 Initial		

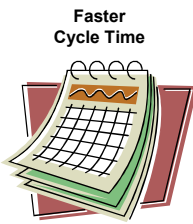


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Process Improvement using CMMI
Executive Overview
Slide 6



Business Value of Process Improvement



How CMMI helps achieve real business results



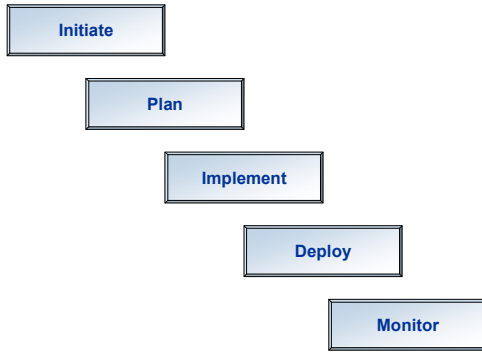
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Process Improvement using CMMI
Executive Overview
Slide 20



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Initiating and Executing a Process Improvement Program in a Small to Medium Sized Organization



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Process Improvement using CMMI
Executive Overview
Slide 27



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can take in implementing their own process improvement program.

References

1. Software Engineering Institute at Carnegie Mellon University, Pittsburgh, PA, USA
2. National Defense Industry Association, USA

3. Why Is Your Topic Important

As all companies that provide products and software intensive systems, throughout the world, Turkish companies are very interested in competing in the global stage. Implementing process improvement using CMMI has been proven to be an important ingredient in this arena of competition. This presentation will help educate companies that presently do not know what CMMI is or how it can be leveraged to help them not only stay in business, but compete in market share throughout the world.

4. Conclusion

This presentation will help organizations understand what the CMMI model is, how it has been successfully used in other companies throughout the world such as the United States, Japan, Korea, Europe and Singapore and the next steps they