

Software Engineering Competence Center



Awareness Seminar for SMEs On Software Process Implementation Guide

Tuesday 28th December, 2004

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SPIG for SMEs Awareness Seminar



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Seminar Agenda

- 10:00-10:30 Welcome and Presentation of Program Framework
(Dr. Gamal Aly, Dr. Gamal Darwish)
- 10:30-10:45 Project Management (Dr. Hossam Osman)
- 10:45-11:00 Requirements Management (Dr. Amr Kamel)
- 11:00-11:15 Product Engineering (Eng. Madiha Hassan)
- 11:15-11:30 Configuration Management (Eng. Abd El-Meguid El-Aaraby)
- 11:30-12:00 **Coffee Break**
- 12:00-12:15 Quality Assurance (Dr. Hoda Hosny)
- 12:15-12:30 Peer Reviews (Eng. Abeer F. Salah)
- 12:30-13:30 Discussions and Wrap-up

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Slide # 2

SPIG for SMEs Awareness Seminar



Objectives

- Support Small and Medium Enterprises to improve the software processes
- Help the SMEs in proceeding towards technical level accreditation
- Have a methodology to assess readiness of local industry for implementing quality practices

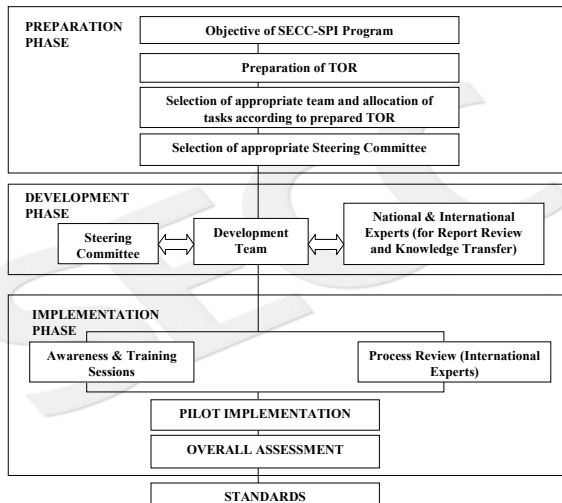


Scope of Work

- Develop an adopted model for **Software Process Improvement** (SPI) convenient for Small and Medium Enterprises in Egypt
- Tailor processes, procedures and guidelines for selected set of chosen **Process Areas** (PAs)
- The model is based on **SW-CMM/CMMI**, **IEEE** and other related standards
- It is a **staged model**, to be built on and updated upon use



Program Framework



Program Phases

- **Preparation Phase:** 2 weeks
- **Development Phase:** From 1st December, 2003 to 30th October, 2004 including local & international revision, editing and publishing the guide
- **Implementation Phase:** Incremental



Preparation Phase

- Seven Process Areas were selected by SECC Staff in cooperation with Motorola experts and local consultants
- Selected Process Areas are:
 - Requirements Management
 - Project Planning
 - Project Tracking & Oversight
 - Product Engineering
 - Configuration Management
 - Quality Assurance
 - Peer Reviews
- A workgroup was formed to conduct the development phase of the program for the selected PAs



Development Phase

- One Process Area was assigned to each member of the team
- Regular Meetings for the team and SECC Staff were organized & Interim Reports were delivered
- A **Steering Committee Board** from the industry was formed and two meetings were conducted to cooperate with the development team and SECC staff by providing remarks and best practices' comments as a result of their experiences
- Review of Pre-final Report by **National & International Experts**
- Delivery of Final Report on October, 2004
- Guide was published on December, 2004



Implementation Phase

- Implementation Phase will be divided into Stages:
- **Stage 1** includes:
 - One day Awareness Seminar for Top Management
 - Training Sessions for Technical Staff on the Know-how of implementing each process area
- **Stage 2** includes:
 - Pilot implementation on 4 selected companies
 - Updating the guide version upon the pilot implementation feedback
 - Full implementation on other companies



Process Area Sessions

- **Dr. Hossam Osman** [Project Management](#)
- **Dr. Amr Kamel** [Requirements Management](#)
- **Eng. Madiha Hassan** [Software Product Engineering](#)
- **Eng. Abd El-Meguid El-Aaraby** [Configuration Management](#)
- **Eng. Abeer F. Salah** [Peer Reviews](#)
- **Dr. Hoda Hosny** [Quality Assurance](#)



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Open Discussion

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