SPI Activities in Korea

Hyuk-Soo Han
Korea Software Institute
Korea Software Institute (KSI)
- Structure
- Introduction and Role
- Activities

Status of SPI Activity in Korea
- 2000 ~ 2003 CMM Levels of Companies
- Number of Lead Assessors

Korea Software Process Improvement Network (K-SPIN)
- 4 Interest Groups
- Korea SEPG
- CMM for CEO
Introduction and Role

Introduction

- The KSI is a federally funded research and development center sponsored by MIC
- The KSI was established in March 2002

Role

- Market Share improvement in the Global Market
  - Competitiveness
  - Productivity
  - Supplier vs. Acquirer
    - Quality
    - Cost
    - Schedule
  - Process
  - People
  - Technology
<table>
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<th>Activities</th>
<th>Process</th>
<th>Technology</th>
<th>People</th>
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<td>Nationwide SEPG</td>
<td>New Technology Transfer</td>
<td>Specialist in Technical Fields</td>
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<td>SPI activity based on CMM</td>
<td>Benchmarking</td>
<td>CMM Lead Assessor</td>
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<td>SPI Data gathering &amp; Analysis</td>
<td>Best Practices</td>
<td>Software Architect</td>
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<td>Best Practices</td>
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<td>Requirement Analyst, Tester, etc</td>
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Appraisals conducted from 2000 through July 2003

- 15 companies

- Certification of CMM the first time in Korea, CMM Level 3
  - Posdata / 2001-11-12

- The first time in Securities industry, CMM Level 2
  - Korea Securities Computer / 2002-11-15

- The first time for Company wide, CMM Level 4
  - Posdata / 2002-12-01

- The first time among Stock Market Worldwide, CMM Level 3
  - THE KOSDAQ STOCK MARKET INC. / 2002-12-06

- The first time among Financial market in Korea, CMM Level 2 company wide
  - Korea First Bank (KFB) IT Office / 2003-01-20

- The first time of CMM level 5 in Korea
  - Samsung SDS / 2002-11-23
Level 5
- 1 division of Samsung SDS
- 1 division LG CNS

Level 4
- 1 Company-wide, Posdata

Level 3
- Samsung SDS, LG CNS, HIT, SICC, etc.
- SK C&C, HandySoft, etc.

Level 2
- Korea First Data System
- LG Electronics, Korea First Bank, and Korea Securities Computer KOSCOM

20 new organizations or projects are going to improve and appraise software process based on CMM or CMMI
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A Korean organization of software professionals who are interested in software process improvement in the field of software engineering and IT management

More than 300 Members

Sponsored by KSI

Managed by Software Integration Technology Research Institute (SITRI)

SITRI

- Established in September 2000
- Non-profit organization under the auspices of the Ministry of Information and Communication
- Research in quality control in SI technology and management, educating managers in the SI industry
- Disseminate CMM (Capability Maturity Model) in the Korean business community
- Managing Korea SPIN and CMM for CEO
4 Interest Groups: Standardization, SPI, SQI and Methodology.
2001
- Reinforcement of International Competitiveness of IT Industry Throughout Software Process Improvement
  - Sept 20 ~ Sept 21, 2001

2002
- Improvement of Software Quality Competitiveness Based on CMM
  - June 20 ~ June 21, 2002

2003
- Quantitative Analysis of SPI Activities
  - June 19 ~ June 20, 2003
21 members
- CEO, CIO and CTO (SI, Electronics, Bank, Software Manufacture, etc.)

Motivation
- Need better understandings of Software Engineering
- Need Commitment for Software Process Improvement
- Need CMM adoption satisfying various business goals
Future Activities

- Cooperation with Japan and China
- Transition to CMMI
- Development of Korean SPI Methodology
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