

A smooth transition from SW-CMM to CMMI

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**4th Annual CMMI Technology
Conference & User Group**

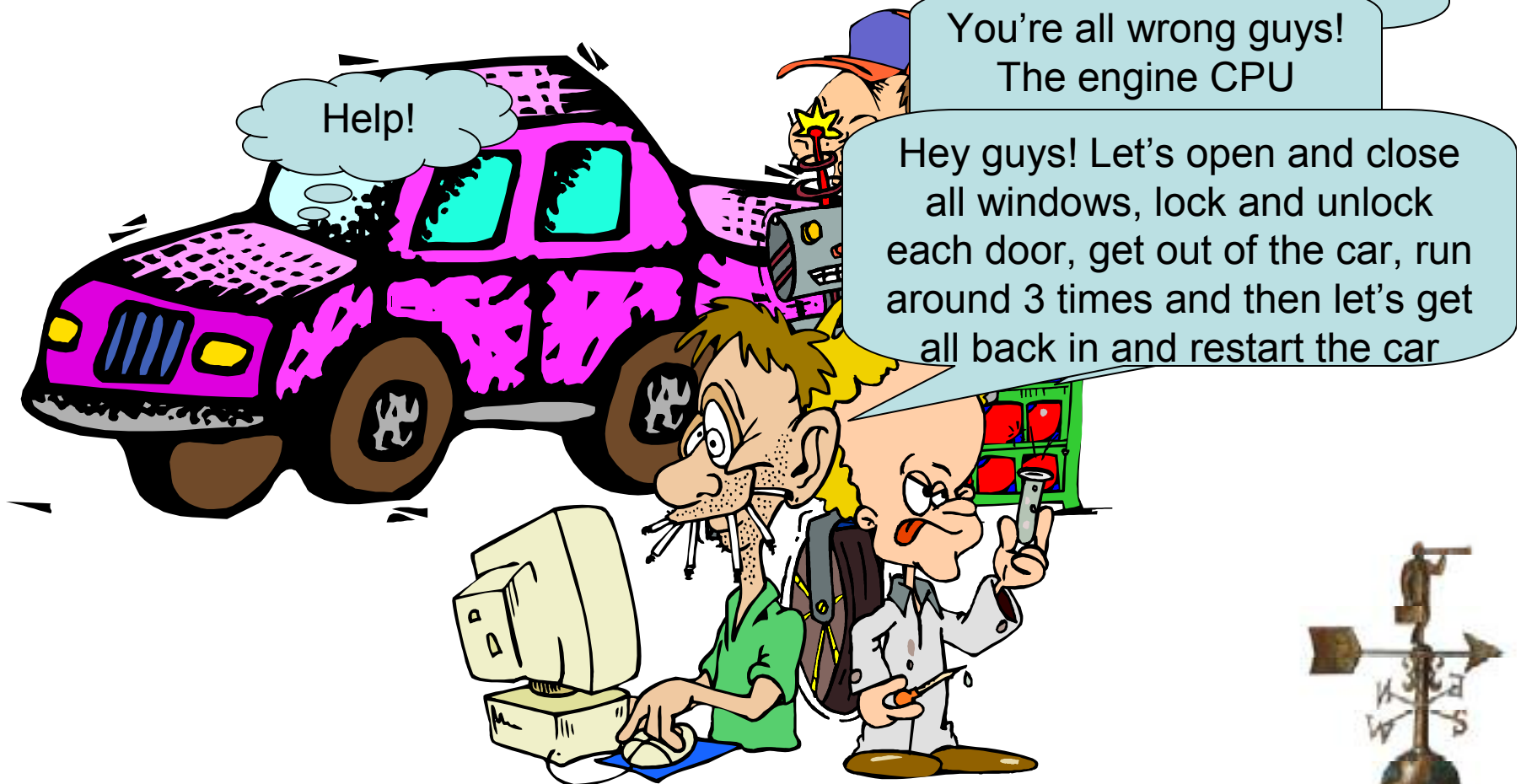
Denver, Colorado

November 17, 2004

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A car with 4 passengers aboard: the motor stops abruptly!



The Company



- **Helps organizations to continuously improve processes used in software dependant systems projects, in order to increase their efficiency**
- **SEI Partner**
 - **Introduction to CMMI**
 - **SCAMPI**
- **Activities in several countries, both in English and French**
- **Main office in Montreal (Canada); opening an office in Paris (France – where else?)**



The Speaker

- **Richard Basque (31 years of experience)**
 - **President and founder (1998) of Alcyonix**
 - **SEI authorized Lead Appraiser for the SCAMPIsm, CBA IPI and SCE methods**
 - **SEI Authorized Instructor for the CMMI[®] and SW-CMM[®] official SEI courses**
 - **part-time SEI "Visiting Scientist" (was occasionally invited to the SEI to train Lead Assessors)**
 - **involved in over thirty official process evaluations in several countries**
 - **coordinated the French translation of SW-CMM which was adopted by the SEI as the official equivalent of the original version and just published a book on CMMI in French (ISBN 2-10-008308-2)**



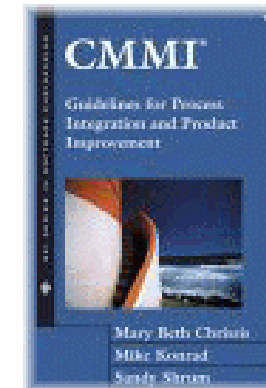
What Are We Going To Talk About?

- **Lessons learned from working with customers who went from SW-CMM to CMMI**
 - use of process implementation indicators (PIIs) associated with SW-CMM
 - conduct of a gap analysis (“unofficial appraisal”) using CMMI after a formal CBA IPI / SW-CMM assessment
 - practical insights from the trenches



A Quick Informal Survey

- How many of you are still doing process improvement based on SW-CMM?
- How many of you are considering moving to CMMI in the next 6 months or so?



Thanks to our Customers, in Particular...



Military Simulation
and Training (MS&T)
Canada and USA



Technologies
Meudon-la-Forêt (France)



chez



Financements Immobiliers

Rueil-Malmaison (France)



Global Services - RPSR Account
Ottawa, Canada
and Canadian Center of Competency
for Application Management Services



Orange Communications
Switzerland
Technical Solutions

... who collectively contributed to the content of this presentation!



The Typical Profile

- Used SW-CMM for some years
- Were already assessed with SW-CMM (officially or unofficially)
- Considered the transition to CMMI because of...
 - internal needs to integrate system & software
 - external pressure
 - SEI's announcement that support for SW-CMM will be terminated
 - RFPs from customers requiring CMMI



The Need to Integrate SW and SE

- Most of our clients deliver solutions that combine SW with other component types
- In SW-CMM, no good coverage for activities that happen...
 - prior system requirements allocation to software
 - during and after delivery of SW
- Frictions between SW and SE Eng
- Hard to coordinate process improvement initiatives from a senior management perspective



The impact of the SEI's Target (end of 2005) to Terminate SW-CMM

- Confusion that followed early announcements (end of '90s): hectic reactions
- Early adopters
- More stability and confidence with CMMI 1.1
- More incentives with SCAMPI 1.1
- Major trend shift when SEI published sunset announcement
- Benefits feedback growing: a more massive transition



RFPs Requiring CMMI: Already?

- **Slowly... but safely (for who?)**

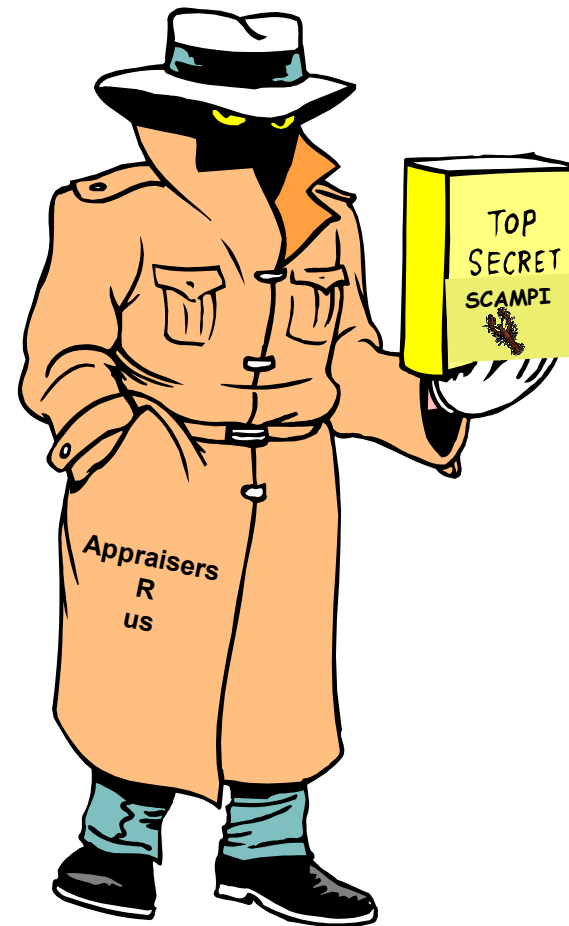


2 Changes to Absorb

- The model



- The appraisal method



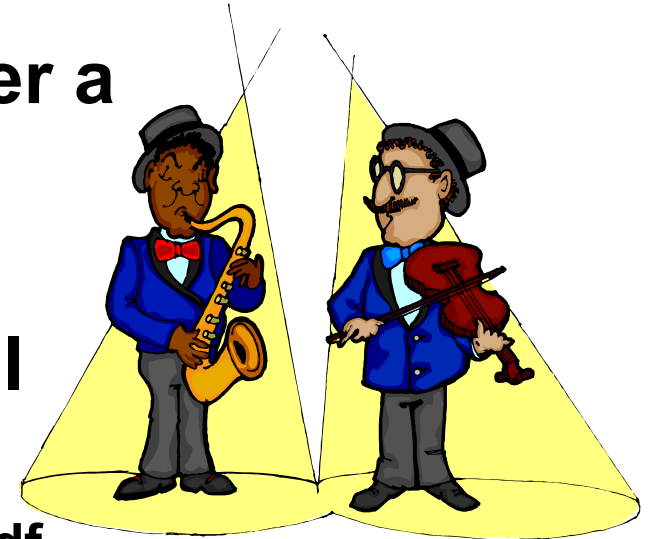
Use of SW-CMM PIIs

- Practice Implementation Indicators in SCAMPI 1.1
- Opening from SEI to conduct SCAMPI 1.1 with SW-CMM 1.1
- Extract « artifact » references from SW-CMM practice descriptions
- Establish a baseline of PIIs for SW-CMM 1.1 (both in French and English)



Conducting a CMMI Gap Analysis after a formal SW-CMM CBA IPI

- **Special offers to selected clients:**
 - **Full SCAMPI with CMMI after a CBA IPI with SW-CMM**
 - **Gap Analysis with CMMI after a CBA IPI or a SCAMPI with SW-CMM**
- www.alcyonix.com/autres/SEPG200302.pdf
- www.alcyonix.com/autres/NDIA200211.pdf



Other Transition Helpers

- Awareness Sessions
- Special CMMI course with workshop
- Inviting SW-CMM sites representatives as teams members on SCAMPs with CMMI
- CMMI courses with SW and SE people
- Attending SPIN presentations by CMMI sites



Feedback From the Trenches - 1

CMMI is much more easier to understand because of its consistency throughout all PAs

To conduct a CMMI gap analysis while the CBA IPI results were still « hot » helped to build on the existing momentum

... but we reuse the PIs extensively for QA purpose during the course of all new projects

The preparation was much more demanding with CMMI appraisals...



Feedback From the Trenches - 2



CMMI is really much more appropriate to cover all our needs

The rules inherent to SCAMPI are much more rigid but they guarantee a better repeatability



It is not always obvious to distinguish between the "Direct" artifacts and the "Indirect" artifacts



Conclusion

- Transition can (and should) be smooth
- Phase-in / Phase-out approach works well
- CMMI intrinsic advantages will prevail and will help your transition

