









The SEI Series First one completed in 2006 2007 survey discussed in depth here The 2008 survey: · Discussed briefly earlier this week - In the panel on Advanced Measurement Analysis Techniques Fuller, more detailed description of the study design & initial results forthcoming - Come to Denver in November for the CMMI Technology Conference Parallel samples - A short set of questions for tracking the diffusion of measurement over time through the broader software & systems engineering community - With a focus on issues faced with respect to the adoption & use of high maturity measurement & analysis practices Done in concert with new series of SEI sponsored workshops on high maturity measurement and analysis Software Engineering Institute **Carnegie Mellon**









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CMMI Measurement Capabilities & Performance Outcomes

Today's focus

- Provide evidence about the circumstances under which measurement capabilities and performance outcomes are likely to vary
- · As a consequence of achieving higher levels of CMMI maturity

Most differences are consistent with expectations based on CMMI

· Which provides confidence in the validity of the model structure & content

However, the results also highlight areas where sometimes considerable room for improvement remains

- Even at maturity levels 4 and 5
- For example
 - A rather strong overall relationship between maturity level & use of measures about quality attributes
 - Little attention to quality attributes at the lower maturity levels
 - Yet, almost half of maturity level 4 & 5 respondents' organizations track quality attributes only occasionally at best

t and Analysis in High Maturity s: What's the Difference? Idenson, July 2008
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And who are the other others?			
Process + Measurement	3)	One each:	
Measurement Specialist	1	Administrative support	
Process + Quality	ļ	• 6 • Coach	
+ Measurement + Training	1	Consultant + researcher	
Quality + Process		Engineering Manager + Process	
+ Measurement	1)	 Process + Project engineer 	
Training	6	Program / team lead	
Architect	4	 Program manager + Quality + Process 	
Security	2	 Project manager + Quality 	
Testing	2	Project manager + Engineer	
N = 31		Not specified	
Software Engineering I	nstitute	e Carnegie Mellon Measurement and Analysis in High Maturity Organizations: What's the Difference? Dennis R. Goldenson, July 2008 14 0 2008 Carnegie Mellon University	





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