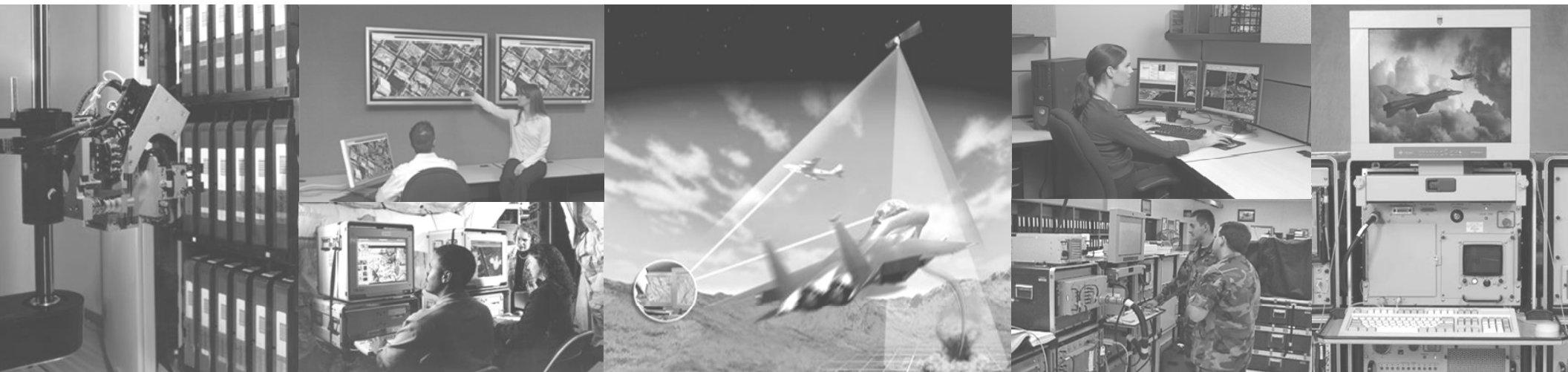


The Measured Value of CMMI High Maturity

May 2, 2008

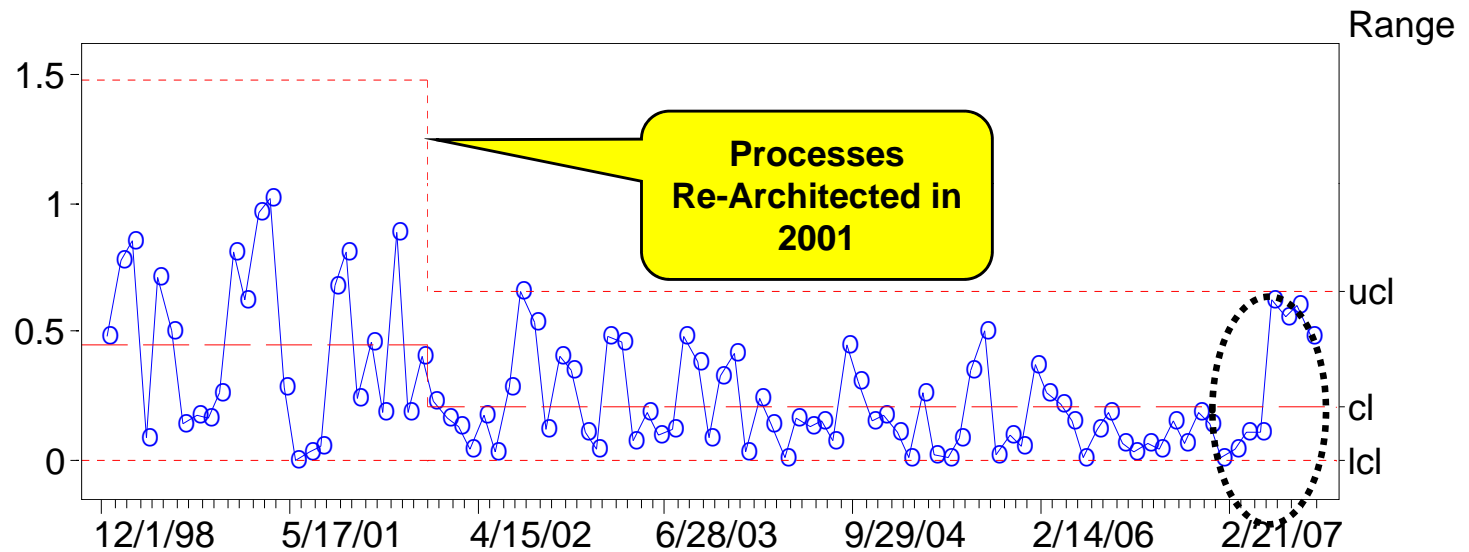
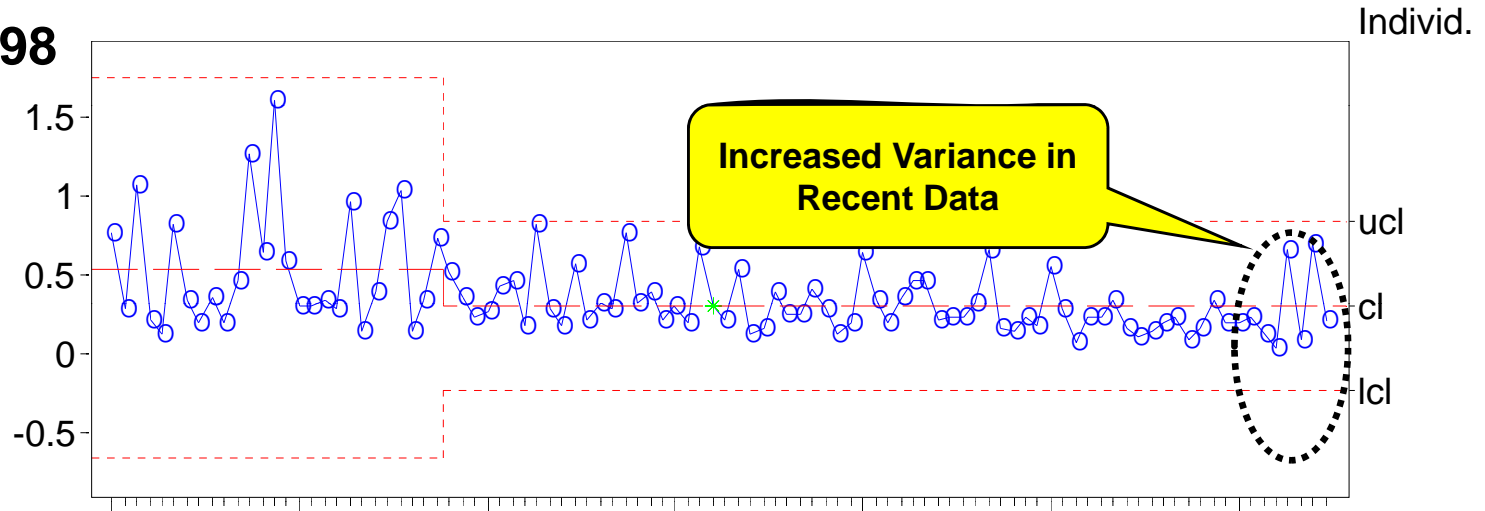


Our company is much improved over 10 years ago

<u>PROJECT MEASURE</u>	<u>THEN</u>	<u>NOW</u>
Actual vs. negotiated cost	+/- 40%	+/- 7%
Cost Performance Index	unknown	1.03
Schedule Performance Index	unknown	0.99
Average Award Fee	90%	98.1%
Greens on Customer Sat. Survey	90%	100%
<u>PROCESS MEASURE</u>		
Capability Maturity Model Int.	1	5

C3I Productivity Analyses - 2/27/08 [Productivity Factor]

N = 98



DATE:

12/1/98 5/17/01 4/15/02 6/28/03 9/29/04 2/14/06 2/21/07

Individ.:
Range:

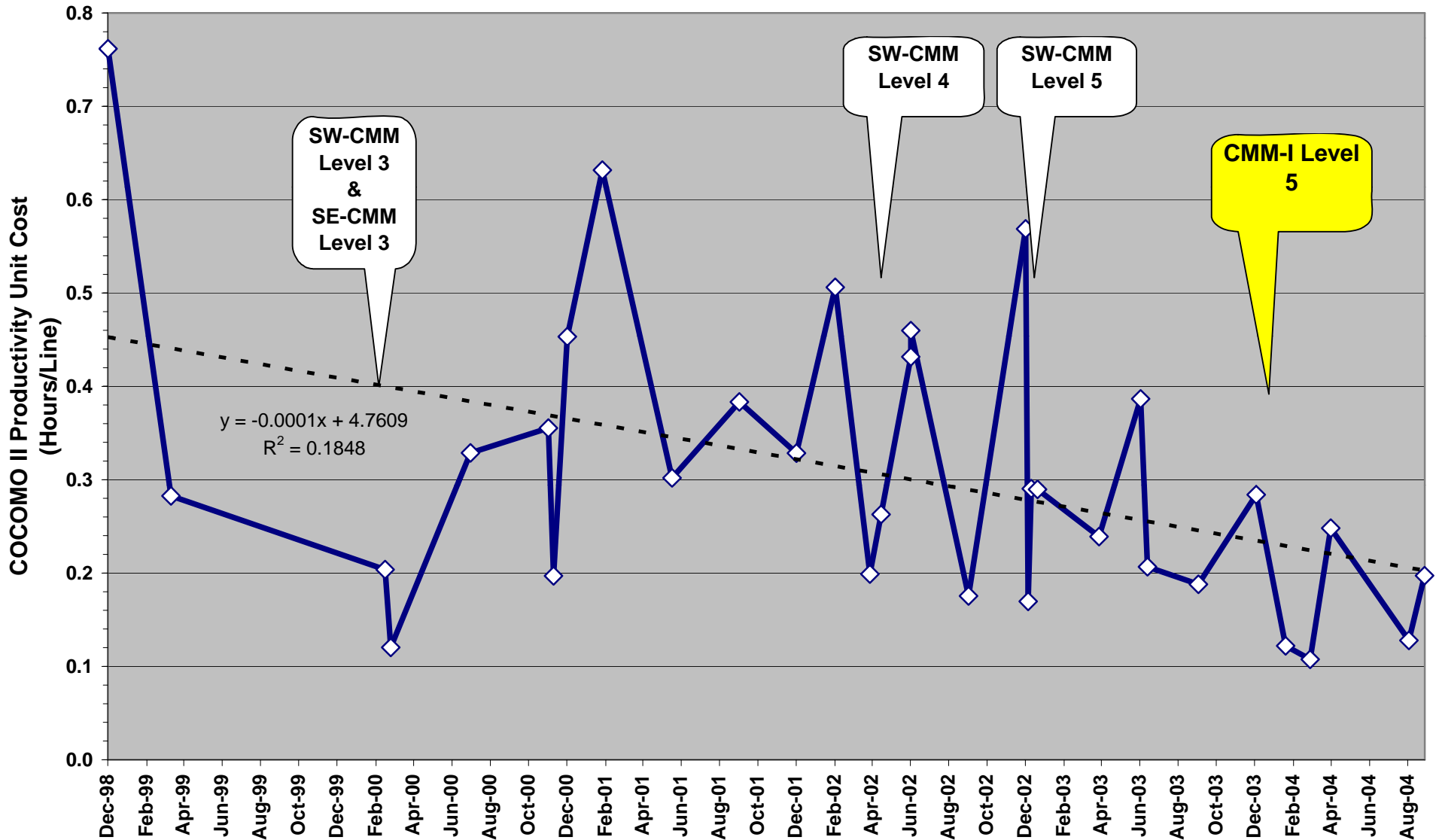
cl: 0.302282
cl: 0.201214

ucl: 0.837426
ucl: 0.657425

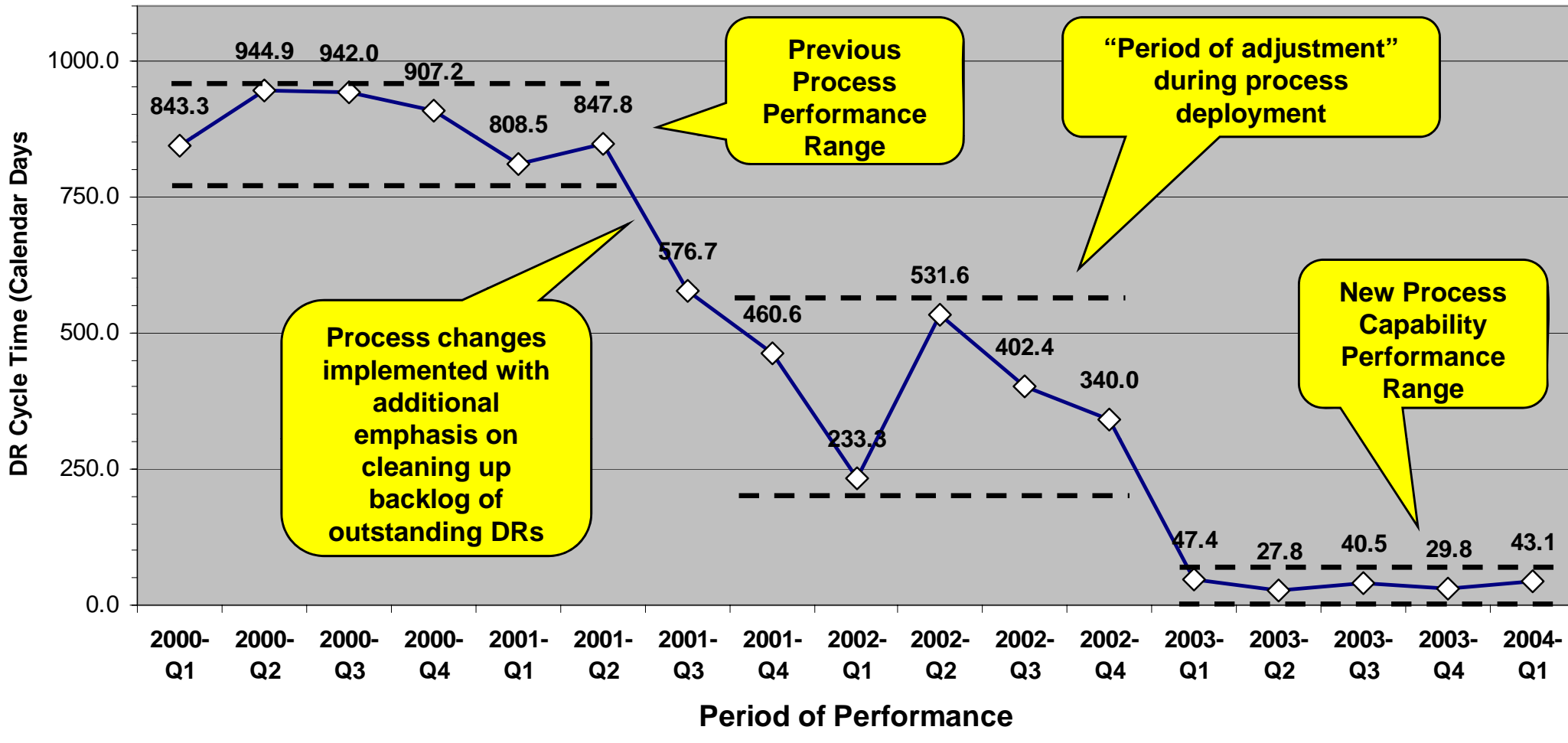
lcl: -.232863
lcl: 0

* Rule violation
Subgrp Size 1

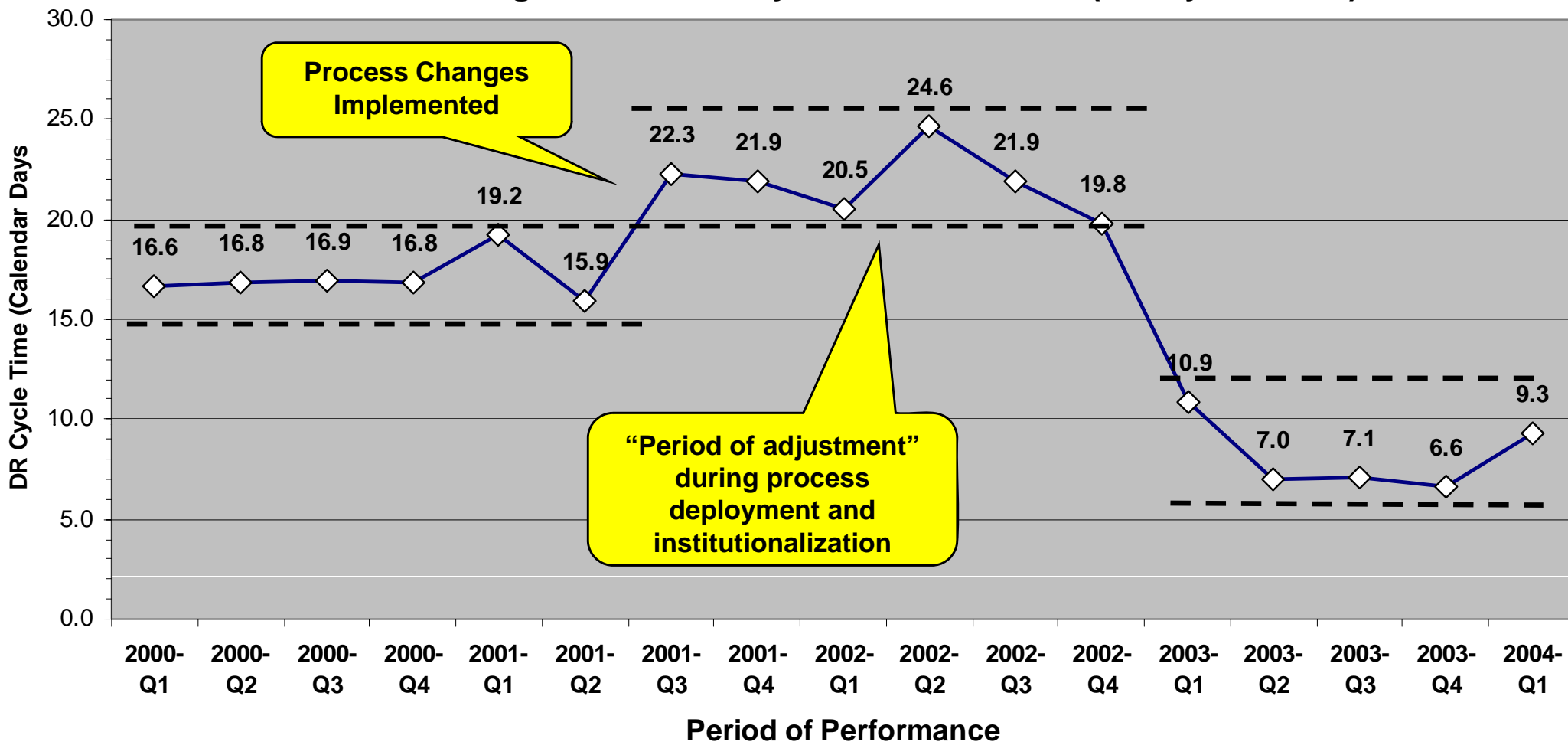
COCOMO II Productivity Unit Cost [Project Type 4 - Full Scale Development]



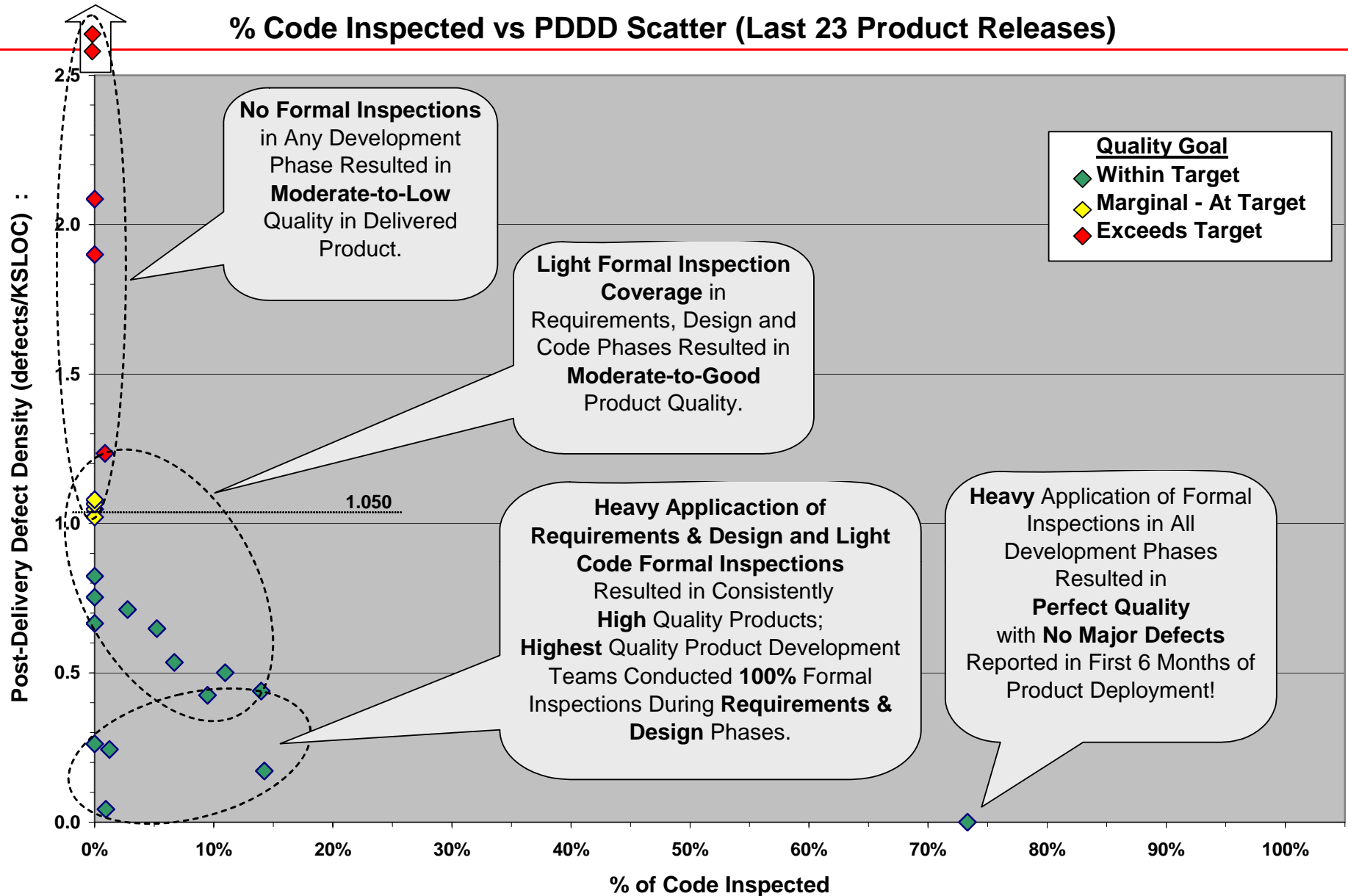
Average Calendar Days to Resolve DRs (DR Cycle Time)



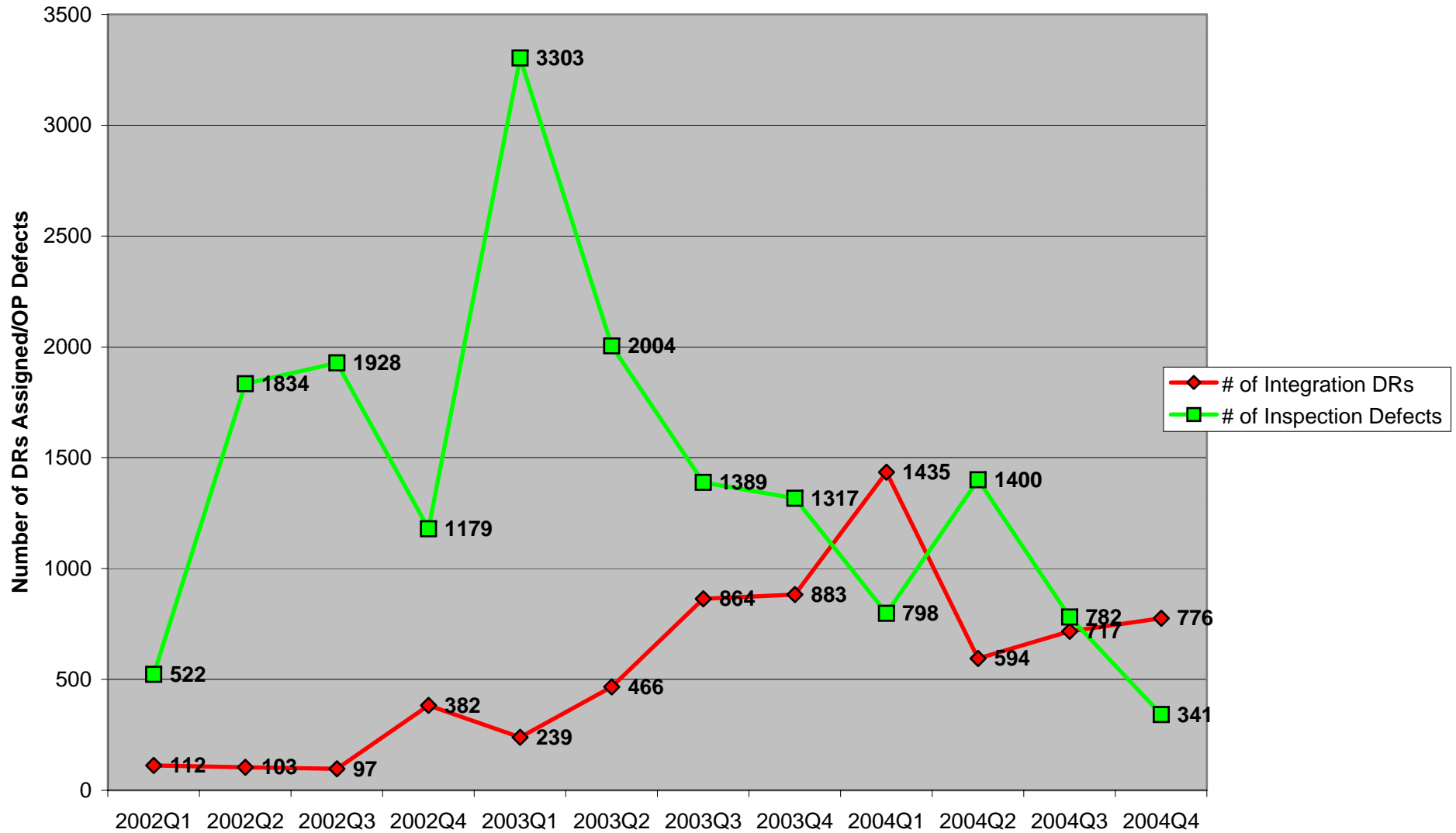
Variance of Average Calendar Days to Resolve DRs (DR Cycle Time)



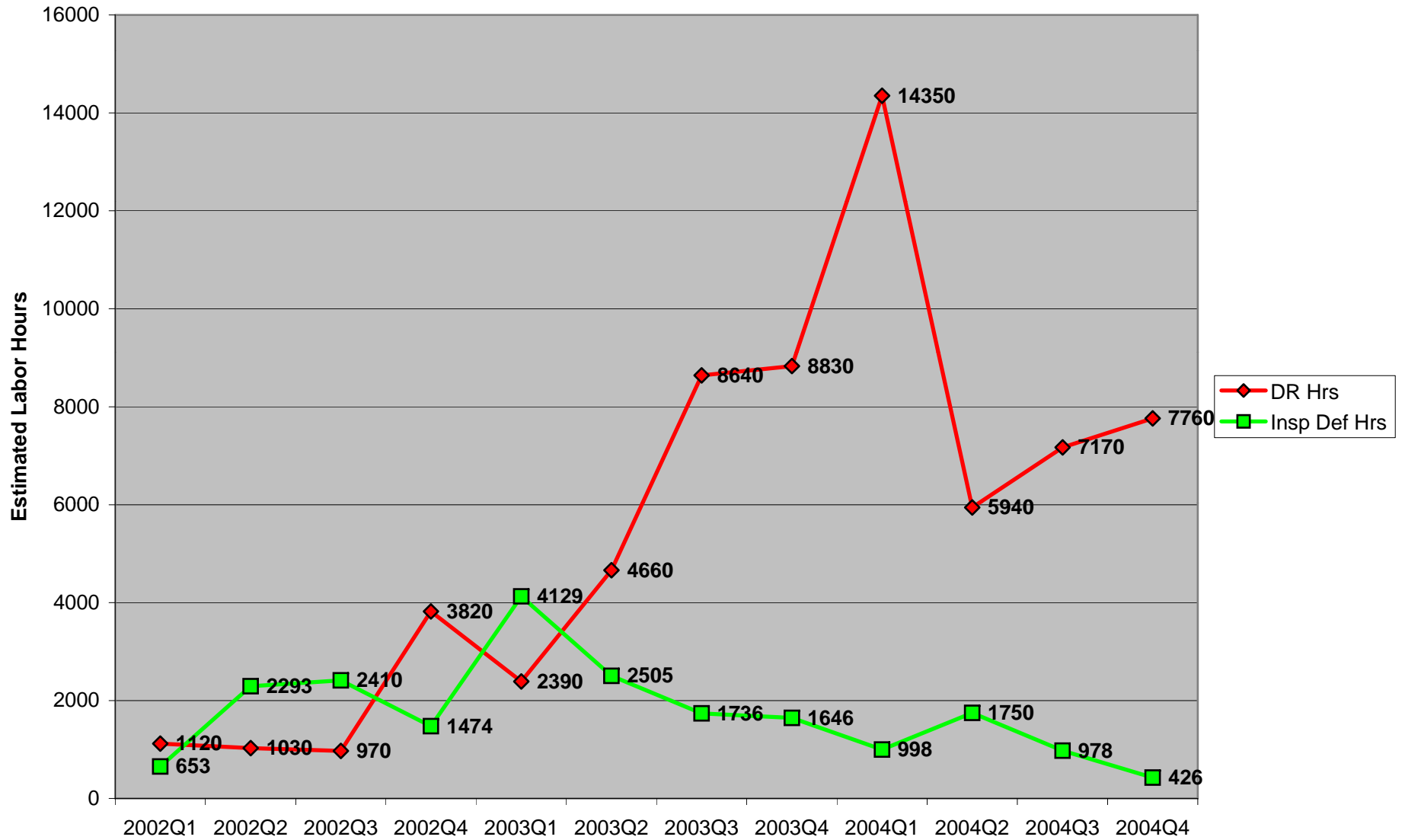
% Code Inspected vs PDDD Scatter (Last 23 Product Releases)



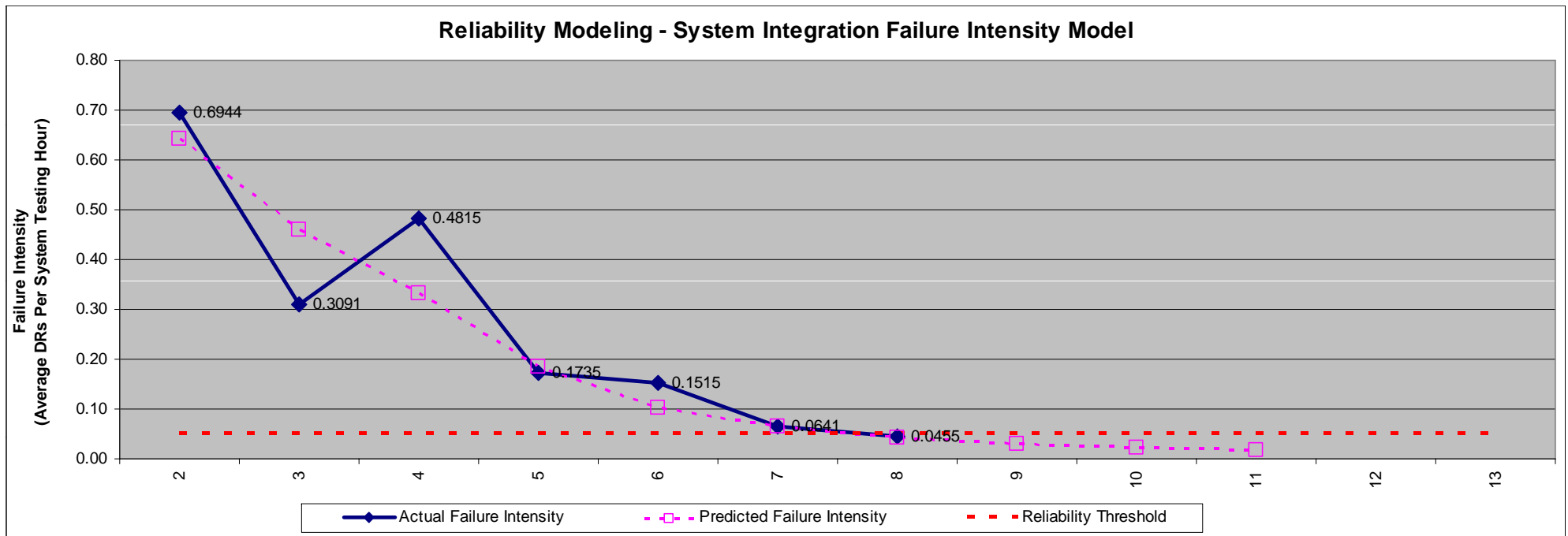
Operational Defects (from Inspections) & Priority 1-3 DRs (from Integration)



Estimated Rework Hours



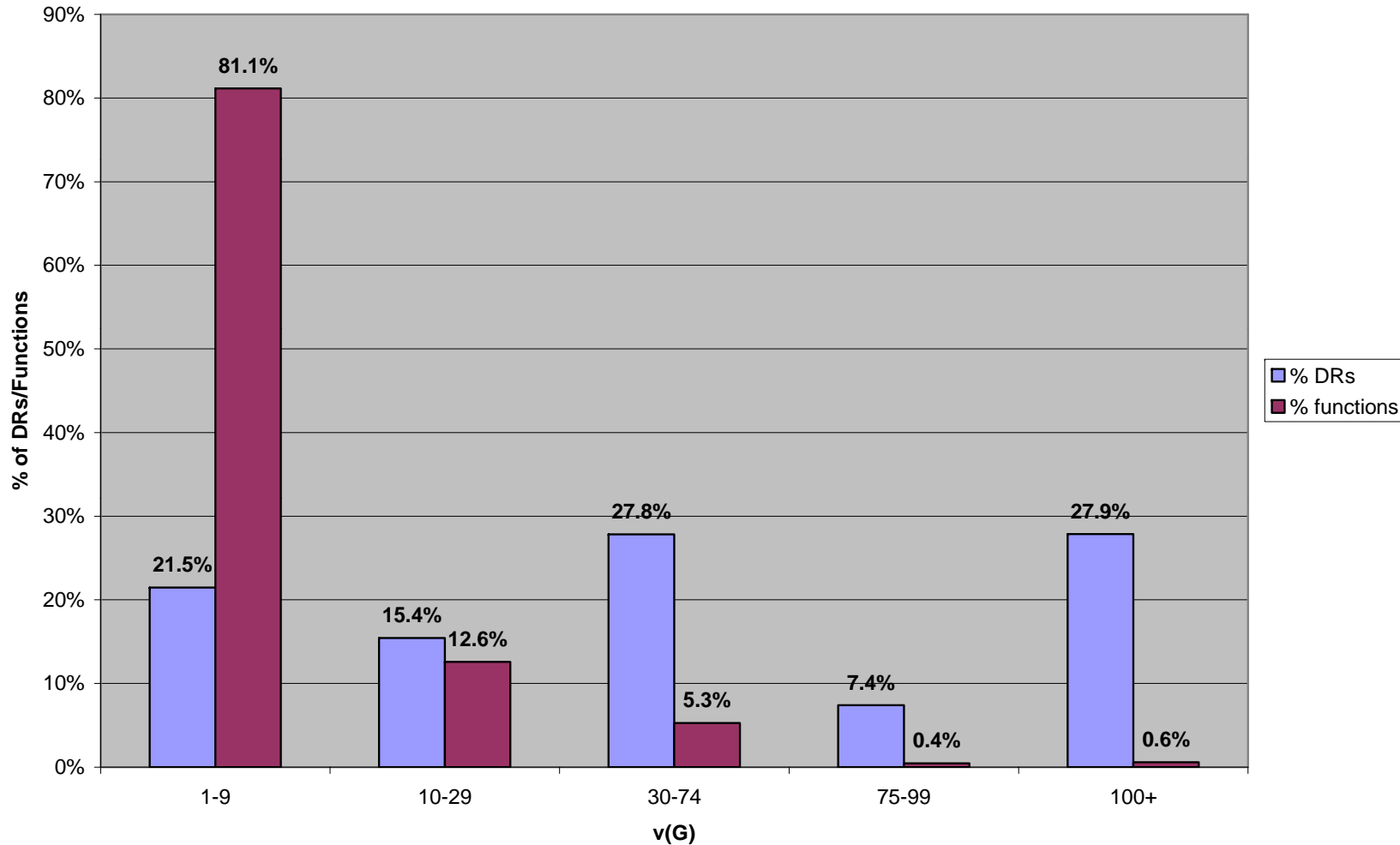
Failure intensity model in use



Original plan was for 12 weeks of testing, but model indicates 8 weeks is sufficient

Relationship of Complexity to Rework

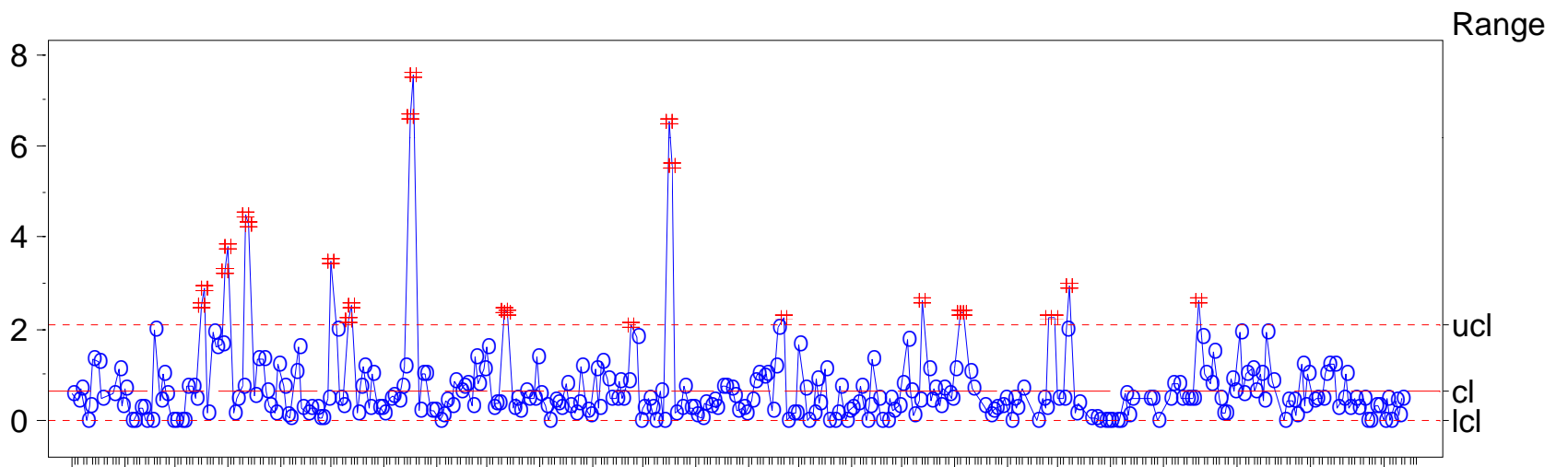
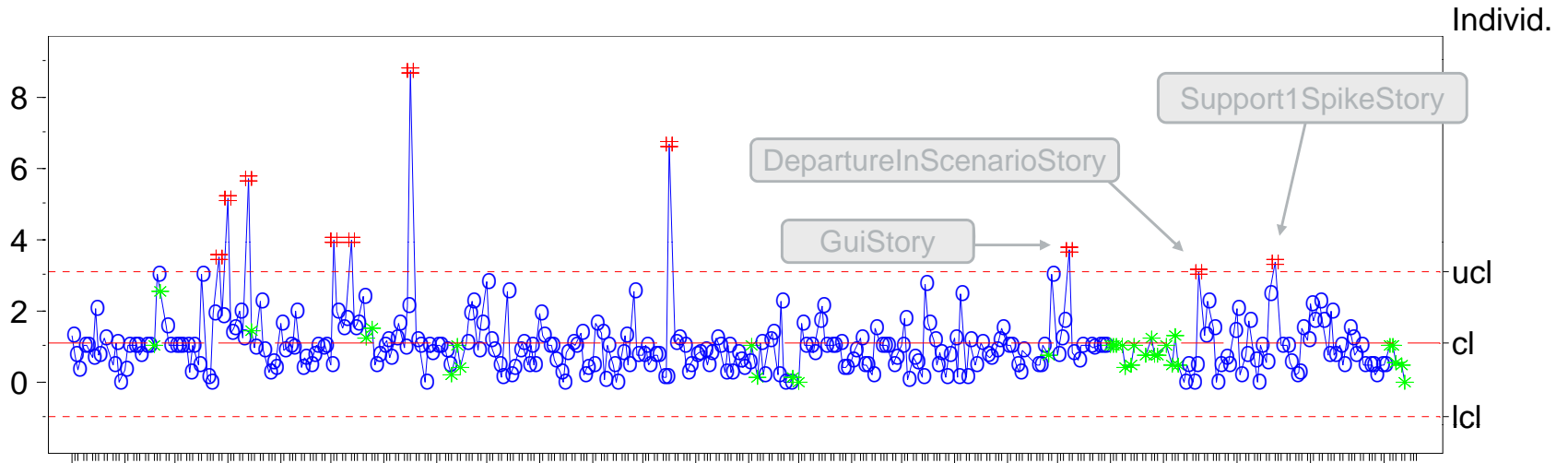
McCabe v(G) - DR Relationship



A strong relationship exists between DR density and very high v(G) values

Spent Hours per Estimated Hour by Task

(Spent + To Do) / Estimate



ITERATION: 3 3 3 3 4 4 5 5 5 6 6 7 7 7 8 8 8 9 9 9 9 10 10 11 11

Individ.: cl: 1.07312 ucl: 3.11162 lcl: -0.965371 * Rule violation
 Range: cl: 0.63 ucl: 2.07 lcl: 0 Subgrp Size 1