How Big is it?

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Organization and Accomplishments

Raytheon Missile Systems, Headquarters Tucson, AZ



Employees: 11,000



'04 Sales: \$3.8 B



World Largest Appraised SEI CMMI Level 3 Organization December 2004



SW-CMM Level 5 in November 2001



Key elements of our approach

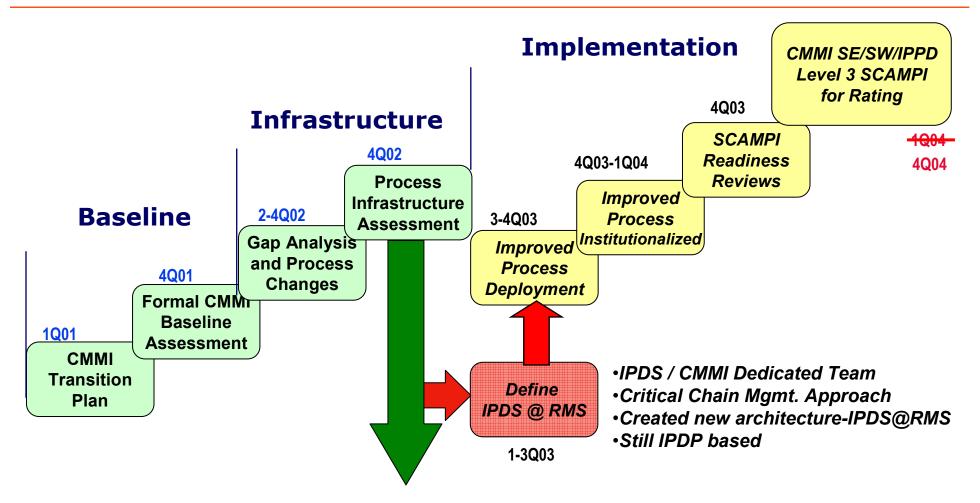
GOAL:

Obtain CMMI certification at level 3

- Opportunity for future growth
- •Win discriminator for RMS & Raytheon
- •Improved Program performance
- Understand the importance of having a simplified, integrated product development architecture
- Understand the need to create a detailed plan, agreed to by all stakeholders, before beginning execution
- Learn one approach to showing value to programs & improving their performance

Sound architecture, agreed to deployment plan, value to program

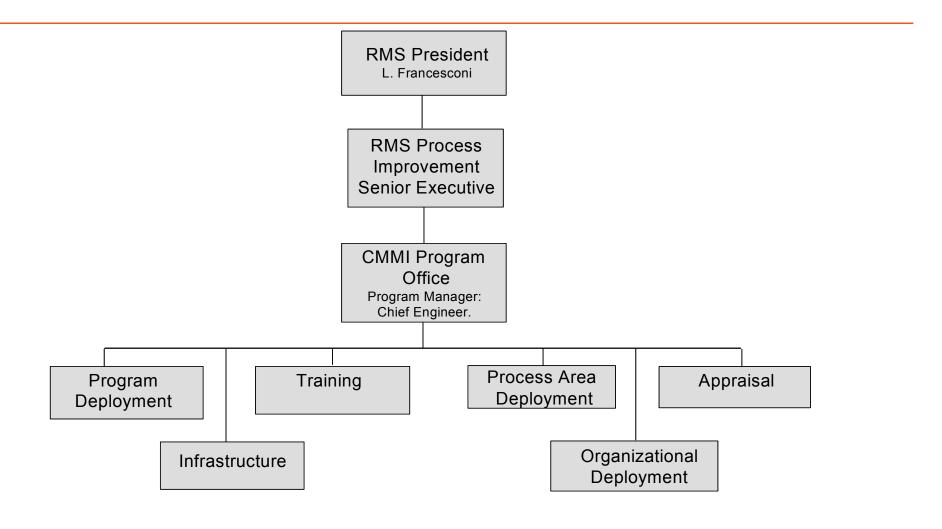
RMS Roadmap to CMMI Level 3



The whole process takes time

CMMI Organization

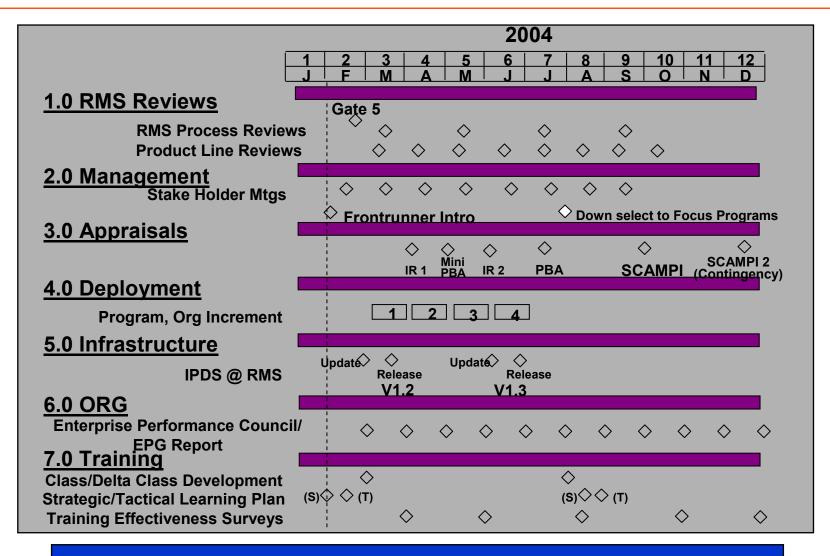




Program had a direct link to RMS President



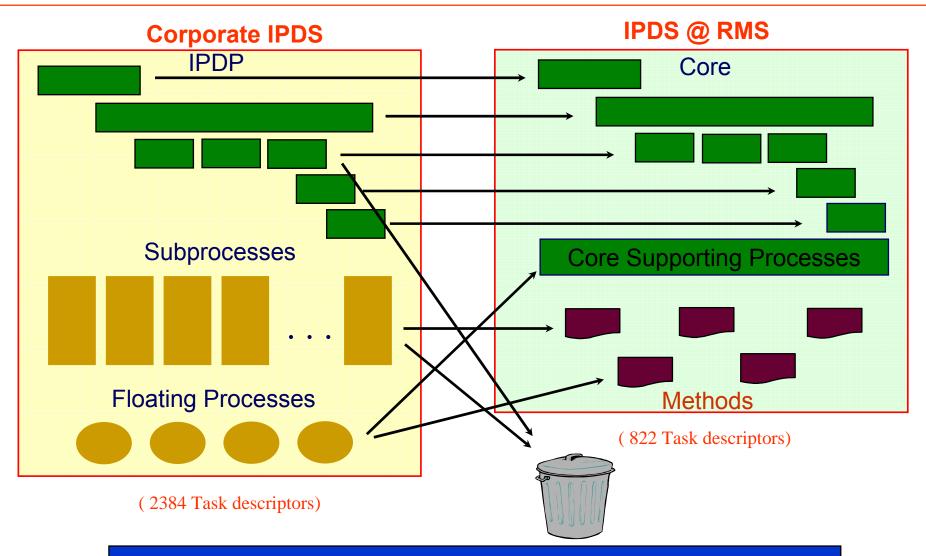
CMMI Level 3 Master Schedule



Simple schedule?

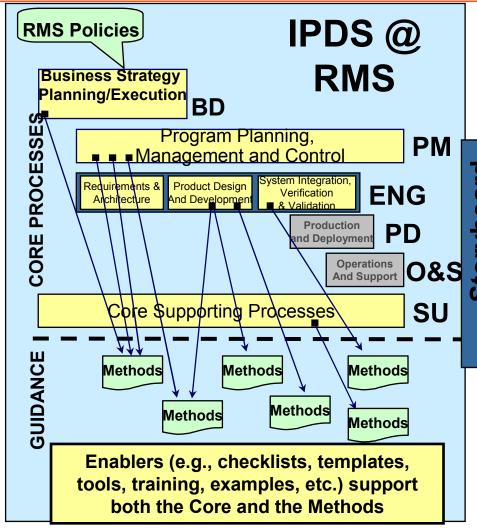


Where did IPDS @ RMS come from?

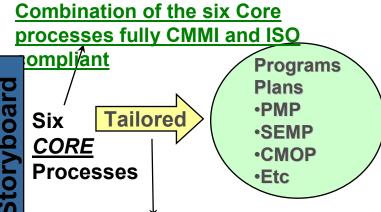


Our goal was to use everything we could from IPDS, but simplify it

IPDS @ RMS Architecture



Each <u>CORE</u> process represented by process flows, task descriptors, and storyboards.

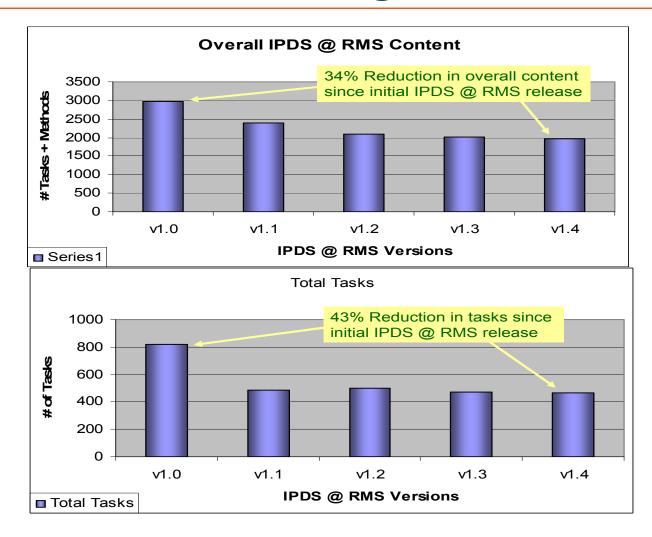


What processes will be used, modified, or added. What products will be included. Selection of appropriate methods.

Simple architecture



IPDS @ RMS Streamlining



Simplify it!

Vetted Detailed Plan

- Plans placed across a 20 ft wide wall
 - Wall-walks addressed hot spots
 - Stickies used too allow easy details adjustment
- Brought most Stakeholders to a centralized location
 - Dedicated meeting rooms next to core team members
- Multiple events provided to engage Stakeholders
 - Daily Morning Stand-Ups with Core Team
 - Weekly Status Meetings with extended Core Team
 - Monthly Frontrunner lunches
 - Monthly Functional Leadership breakfasts
 - Quarterly Organizational Leadership reviews
 - IPDS@RMS Gate Reviews

Regularly scheduled meeting allowed for quick Communication and agreement on Plan modifications

Value to Programs

- Engaging the Stakeholders increased buy-in
 - Frontrunner Programs instituted new processes, becoming more efficient in their performance execution
 - Functional Leadership committed to provided Subject-Matter-Experts well-versed on IPDS@RMS requirements
- Greater understanding of the intent of IPDS@RMS
 - Tailor processes to enhance performance
 - Document tailoring decisions
- More selective in opportunities to pursue
 - Recognize and walk away from unprofitable situations
- CMMI Level 3 Certification
 - Increased Customer confidence

Results

- Utilized CMMI Appraisal Expertise to host numerous audits
 - Findings and improvements rolled back into the process
- Major improvements to the IPDS@RMS process content
 - CMMI Level 3 requirements integrated
- Greater awareness of IPDS@RMS capabilities
 - Increased use across the Organization
- Improvement in Subject-Matter-Experts
 - Better understanding by Process Owners
- Training & Implementation processes improved
 - Offerings better tailored to meet Program needs
- Improved coordination between Process experts
 - Integrated Program Start Up Team
- 2 Frontrunner Programs awarded additional contracts

"If you build it, they will come" Field of Dreams

Raytheon



Key elements of our approach

Attained GOAL:
CMMI Level 3 Certification
December 2004

Largest world wide facility to obtain CMMI Level 3
Certification