



Teamcenter Program Execution Management - with Teamcenter Engineering

PLM World 2006

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Agenda



- ▶ What is Program Execution Management?
- ▶ Strategy & Positioning
- ▶ Application & Demonstration
- ▶ Summary / Q&A



Integrating Project & Program Management into the Product Lifecycle



Business problem

- ▶ Project and Program Management (planning, statusing & reporting) are traditionally disconnected activities from actual execution
- ▶ Causes built-in overhead, lost productivity, out-of-sync data, and misguided decisions

Solution – Program Execution Management (PEM) with Teamcenter

- ▶ Connects project schedules & resources to workflow processes & deliverables – making it a connected activity that engages everyone across the virtual enterprise

Results – Drive Execution

- ▶ Transforming the lifecycle
 - ▶ From “Planning and Statusing” To “Planning and Executing”
 - ▶ “With 24x7x365 visibility”
 - ▶ Enabling “Informed Decisions”





Integrated Project Management

Phase-Gate Automation

Terminology

Project Execution

Process Automation

Workflow Orchestration

Teamcenter Project Integration



Program Execution Management (PEM)

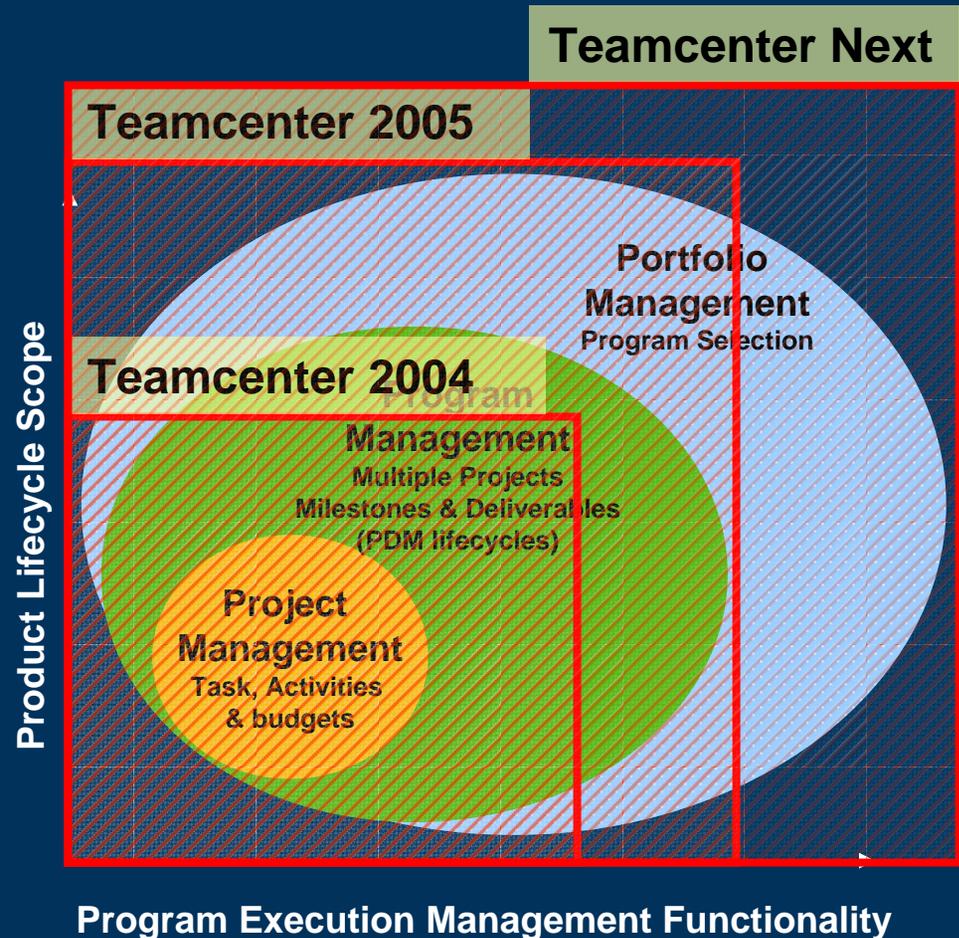


What is Program Execution Management (PEM)?



Decision support throughout the product lifecycle ...

- ▶ Leverage program knowledge and intellectual assets
 - ▶ Partners, allies, and suppliers
- ▶ In the context of defined business processes
 - ▶ Phase-Gate
 - ▶ Schedule-driven workflow
 - ▶ Metrics
 - ▶ Thresholds and triggers
- ▶ To meet business objectives (revenue/growth, investment, cost, quality, timing)



Enabling a project schedule to drive process automation



Why is Program Execution Management Important?

- Key fundamentals critical to success



Program Execution Management

- ▶ Process Automation
 - ▶ Connect project schedules & resources to workflow processes – making it a connected activity that engages everyone across the virtual enterprise
 - ▶ Phase-Gate automation with deliverables status
- ▶ From “Planning and Status” To “Planning and Executing”
- ▶ With real-time visibility
- ▶ Performance Management
 - ▶ Cost, Resource and Work Management



“Choose the right projects to do and do them right”

Dr. Robert Cooper



Teamcenter Program Execution Provides:

Work Management

- ▶ Resource Management
- ▶ Project Management

Workflows (Industry processes / “Best Practices”)

- ▶ Project **Phases** and Evaluation **Gates**
- ▶ Defined & Assigned **Tasks**
- ▶ Defined **Deliverables**
- ▶ Quantifiable **Success Criteria**

Executive Dashboards



Program Execution Feature Detail

- Integration with Teamcenter Engineering



- ▶ **Program Execution Management (Phase-Gate Automation)**
 - ▶ Implement initiative management with synchronized project and resource management capabilities across Teamcenter
 - ▶ Leverages Lifecycle Tasks
 - ▶ OOTB Dashboard support pulling phase-gate content from all sources - phase status, criteria metrics, project metrics, resource status, etc.

Customer value: methodology support enables real-time viewing of investment status, enabling faster reaction times



Teamcenter Phase-Gate Automation



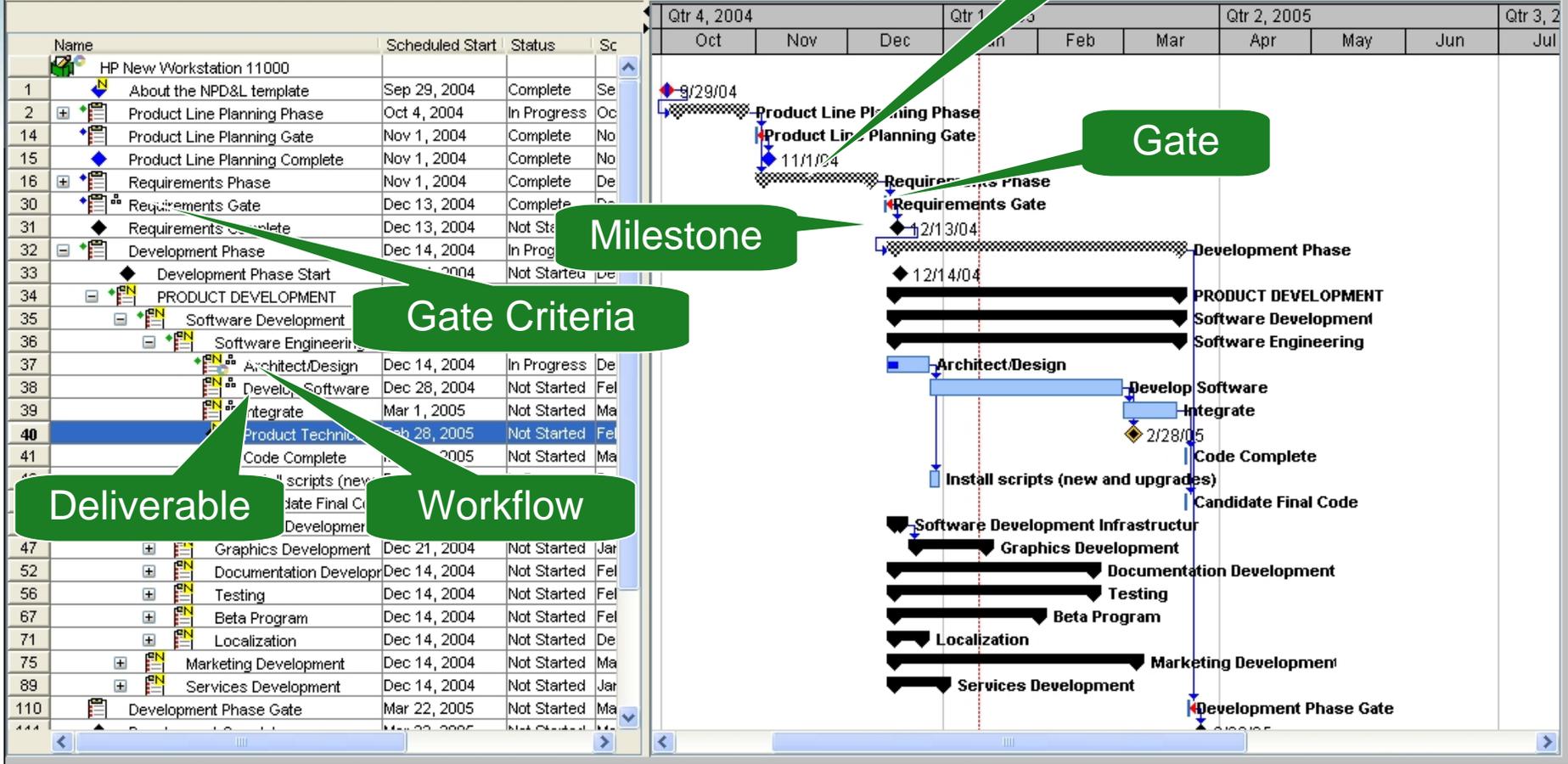
Workplace View - HP New Workstation 11000 - Microsoft Internet Explorer

Workplace View | Schedule | Collaboration | Documents | Team Members | LOG OUT | PERSONALIZE | Teamcenter

File Edit Schedule Documents Team Help

Navigation icons: Home, Search, Refresh, Print, etc.

<click here to add tasks> Work: 8h Filter by: All Tasks View: View By Ctrs Active Baseline: Phase 1



Phase

Gate

Milestone

Gate Criteria

Deliverable

Workflow

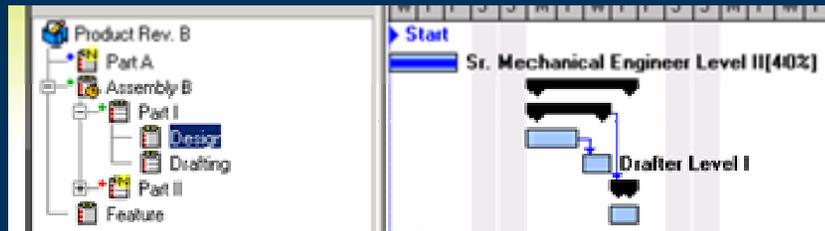


Program Execution Feature Detail



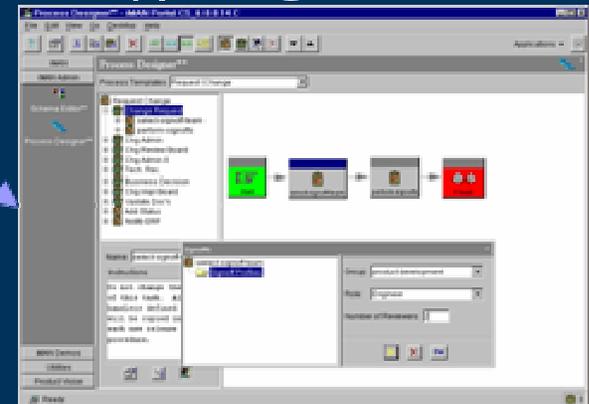
- ▶ Program Execution with Teamcenter Engineering
 - ▶ Task-workflow integration
 - ▶ Automated updates to project schedules triggered by Engineering workflows via Web Services
 - ▶ Real-Time Project Portfolio Status

Master Resource Driven Product Schedule



Teamcenter Project

Supporting Workflows



Teamcenter Engineering

Drives

Workflow or User-driven events update corresponding Project tasks



Program Execution Management with Teamcenter

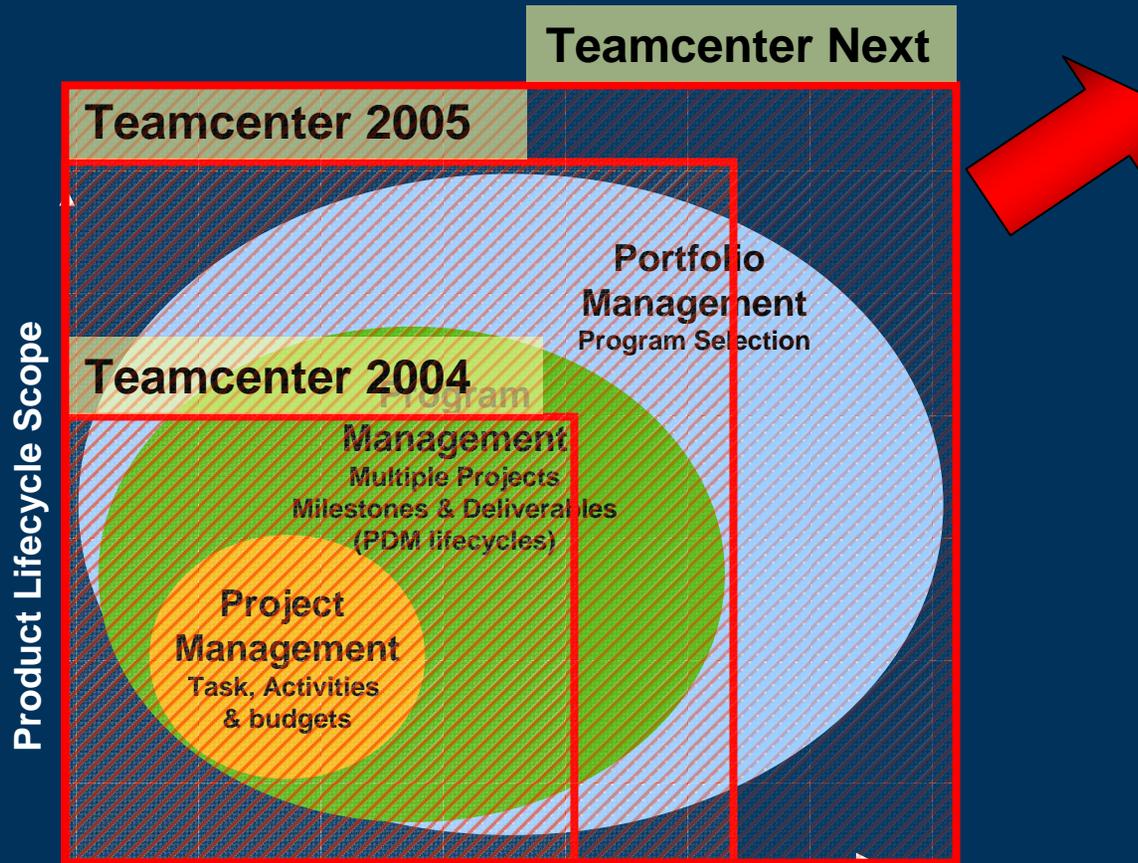
Using Process Orchestration and Performance Management to Optimize Key Product Development Processes and Program Execution



What's next?



Decision support throughout the product lifecycle ...



Program Execution Management Functionality

Enabling a project schedule to drive process automation

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UGS

*Transforming the
process of innovation*



Thank you!