

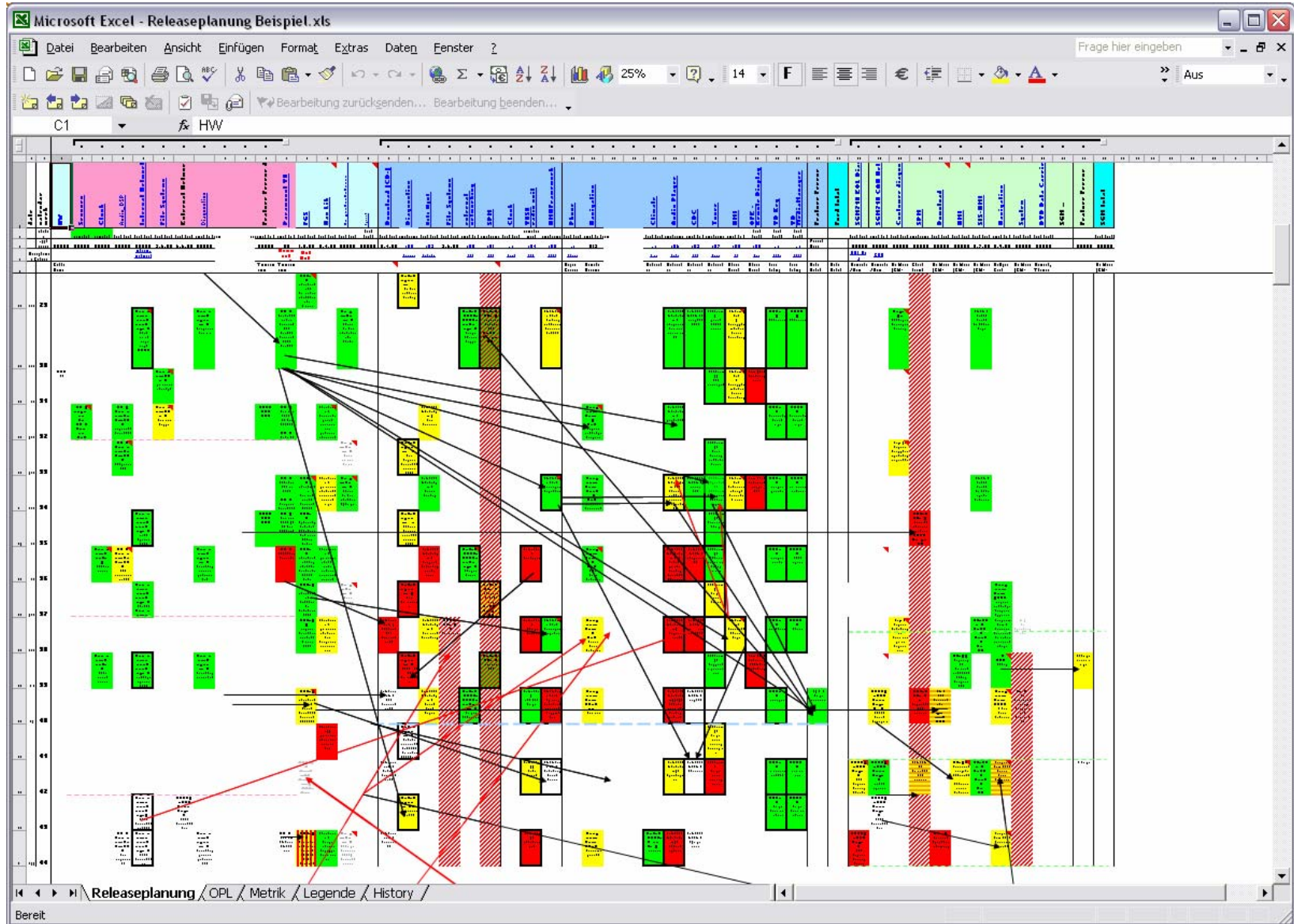


Section 2, Process Management

Product- and Releasemanagement with eASEE

Andreas Klegraf, Vector Informatik GmbH
Vector Congress, 07th/08th of October 2008, Stuttgart

Example: Product- and Release-Planning with Excel



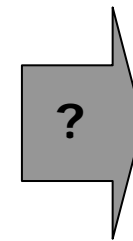
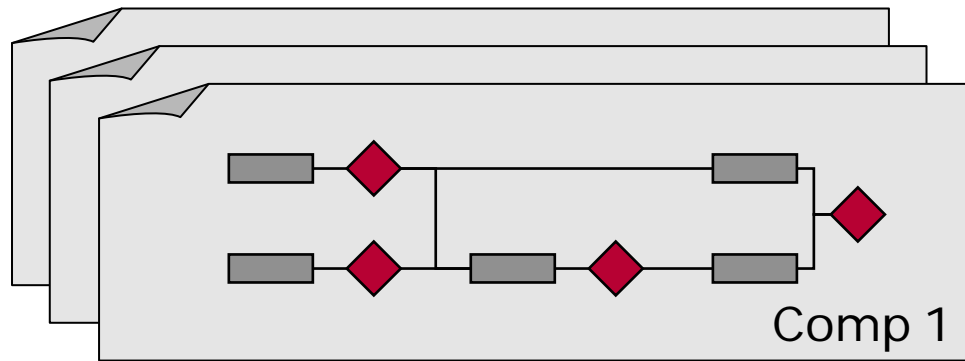
> **Challenges of Function Oriented Product- und Release-Management**

The eASEE Approach to Product- and Release-Management

Conclusion

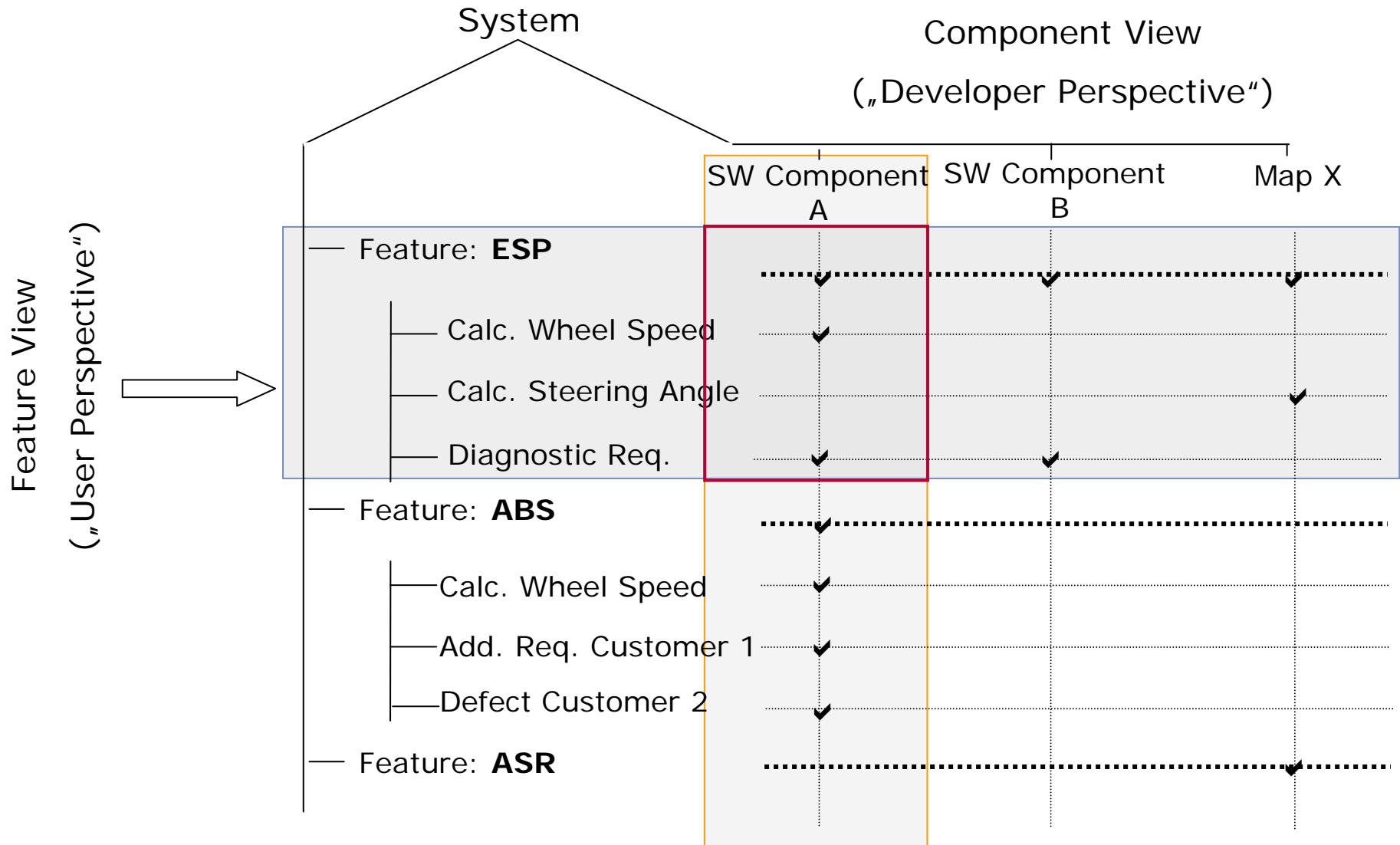
- ❑ Great (and increasing) importance of Electric/Electronic in automotive development
 - ❑ 90% of innovations are E/E-based. E/E development is
 - ❑ Highly integrated
 - ❑ High complexity
 - ❑ Highly dynamical
 - ❑ Complexity in E/E development is difficult to handle with current methods and tools
 - ❑ Functional relationships are difficult to identify
 - ❑ „Function oriented development“ as one step towards a solution
- ❑ Question: How does product- and release planning work in function oriented context?

Classic Component Based Planning

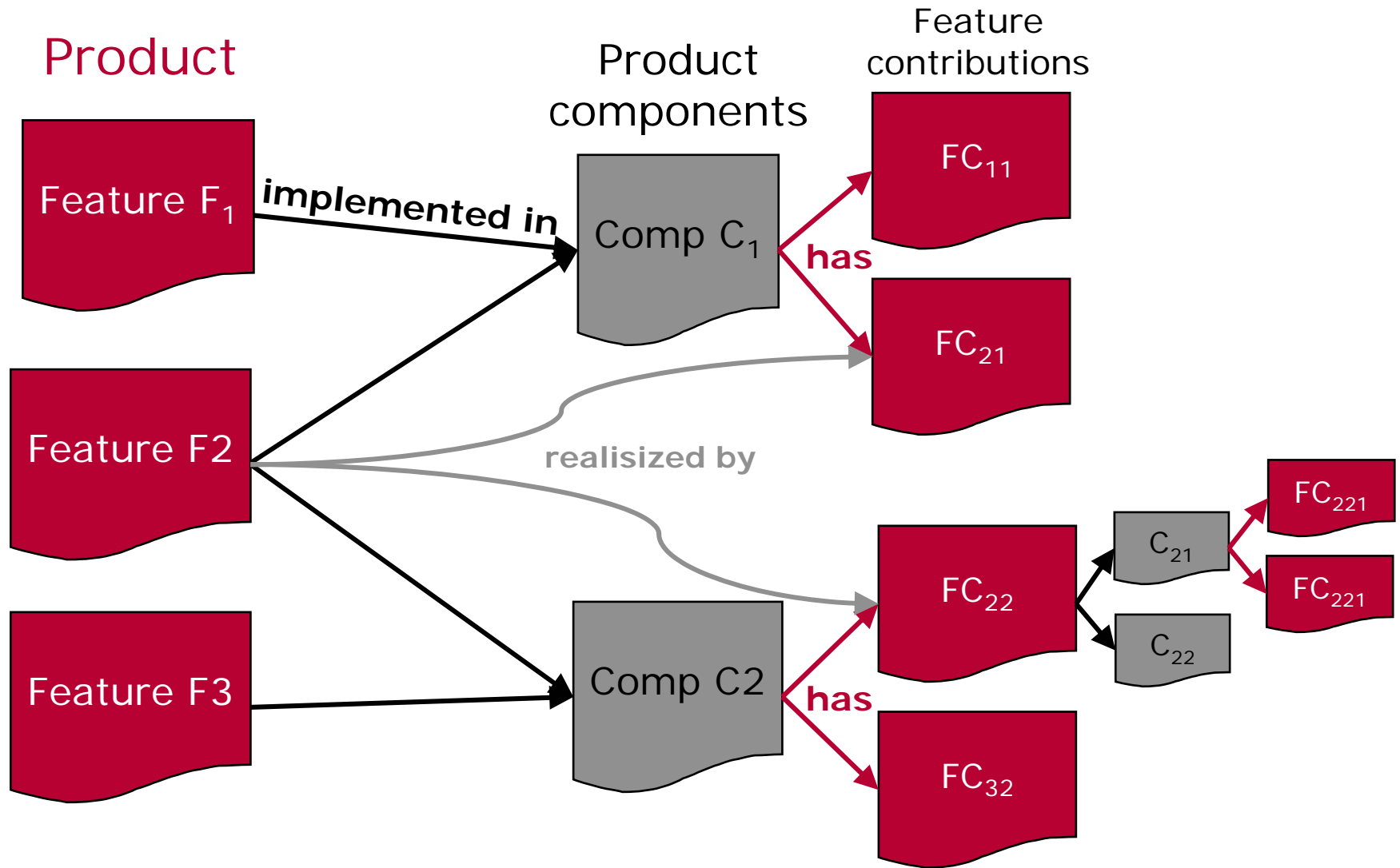


Project planning on component level

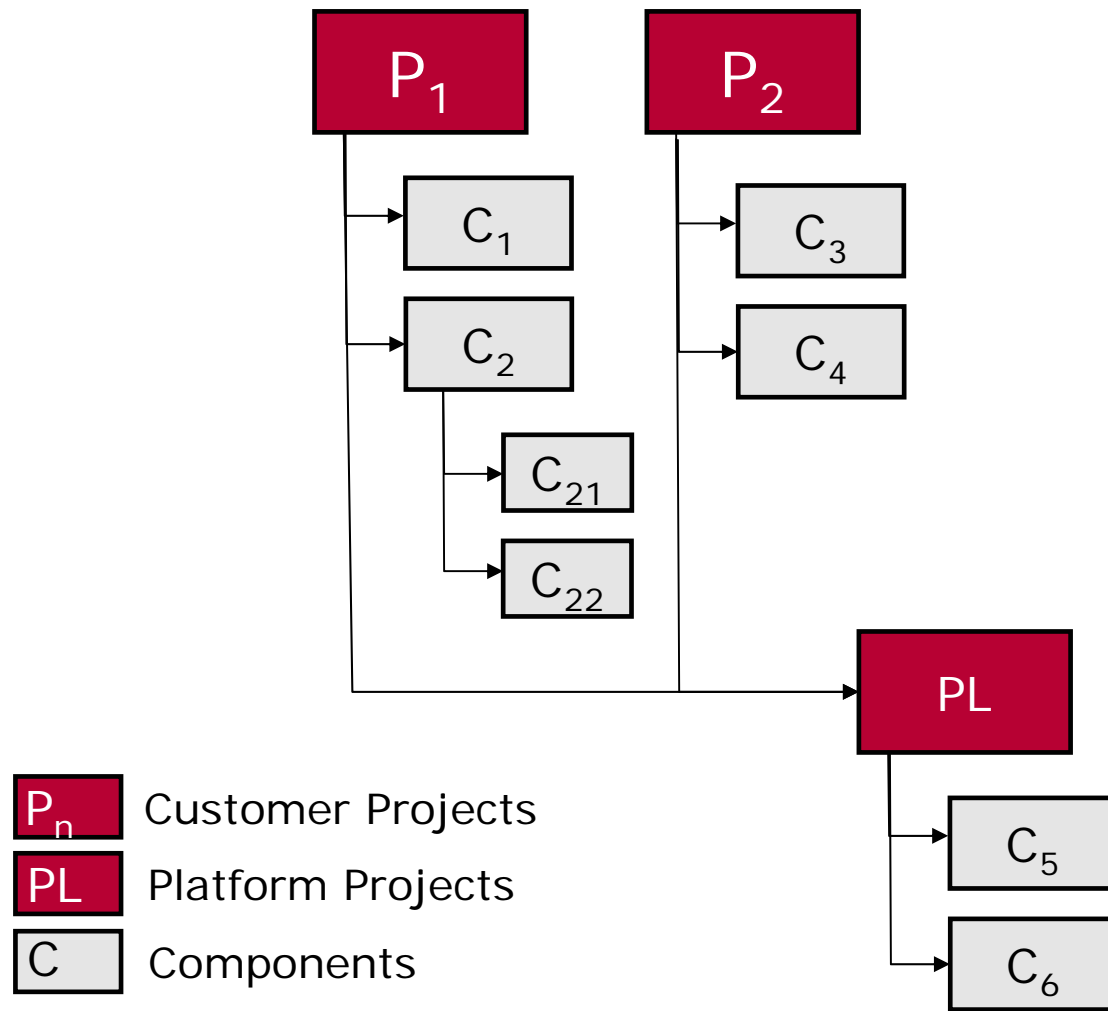
Challenge 1: Matching Features and Components



Challenge 2: Hierarchical Product Architecture

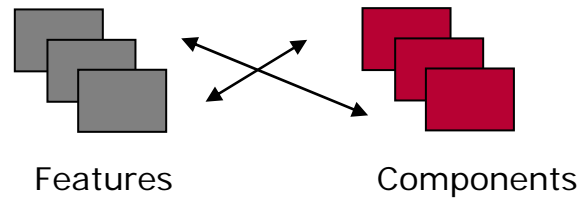


Challenge 3: Reuse, Architecture and Organization

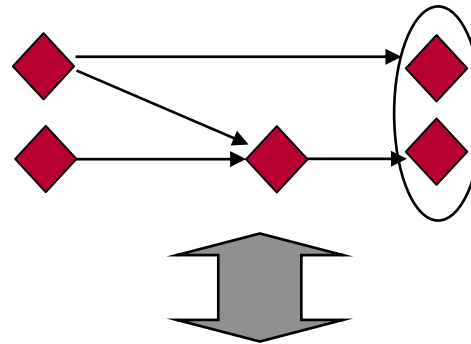


Challenge 4: Synchronizing Feature- and Project-Planning

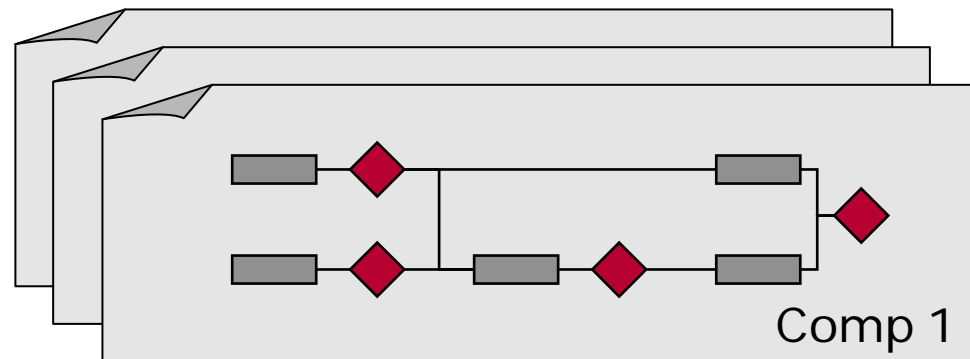
Product design
(Product level)



Release planning
(Product level)



Project planning
(Component level)



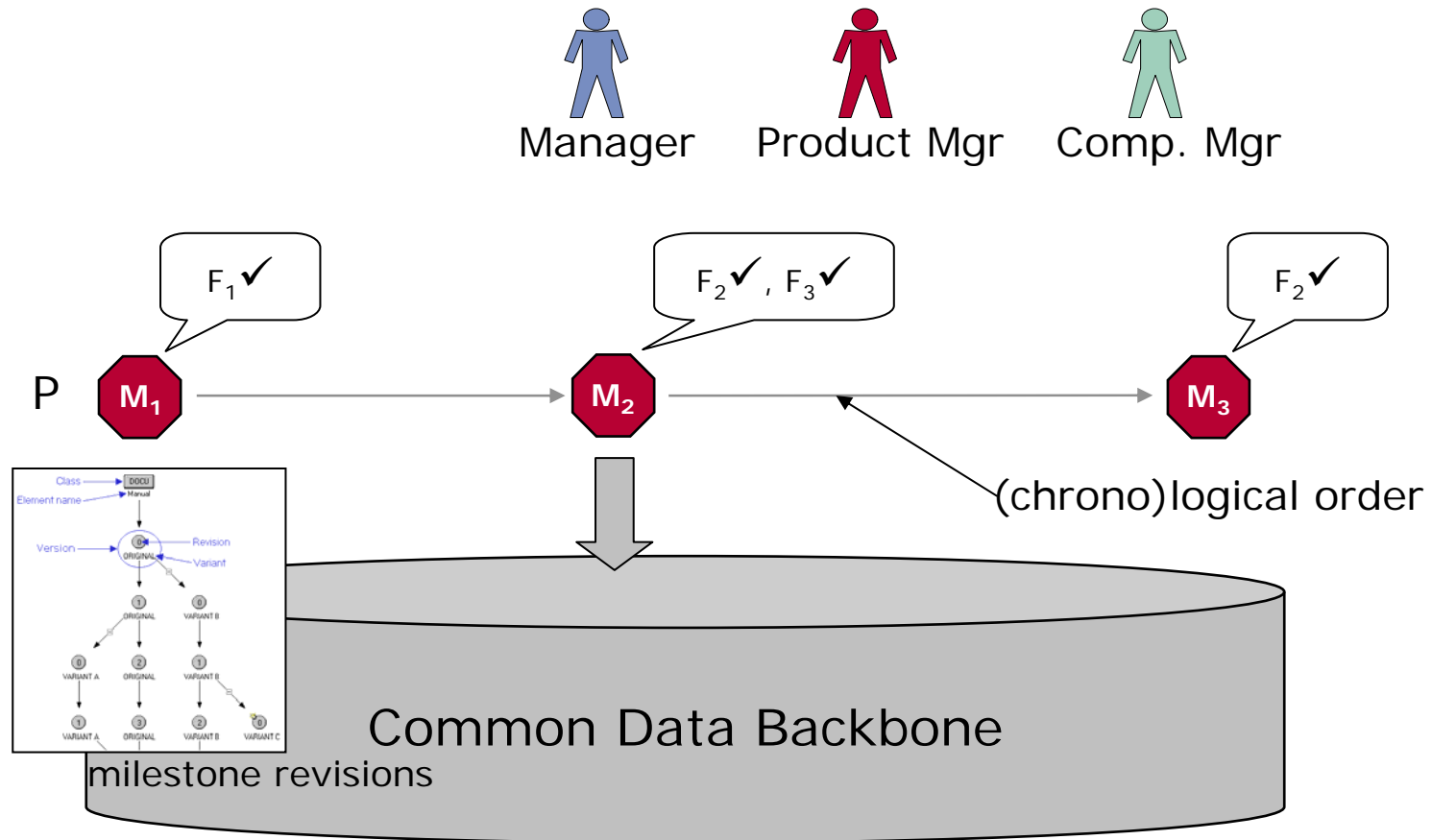
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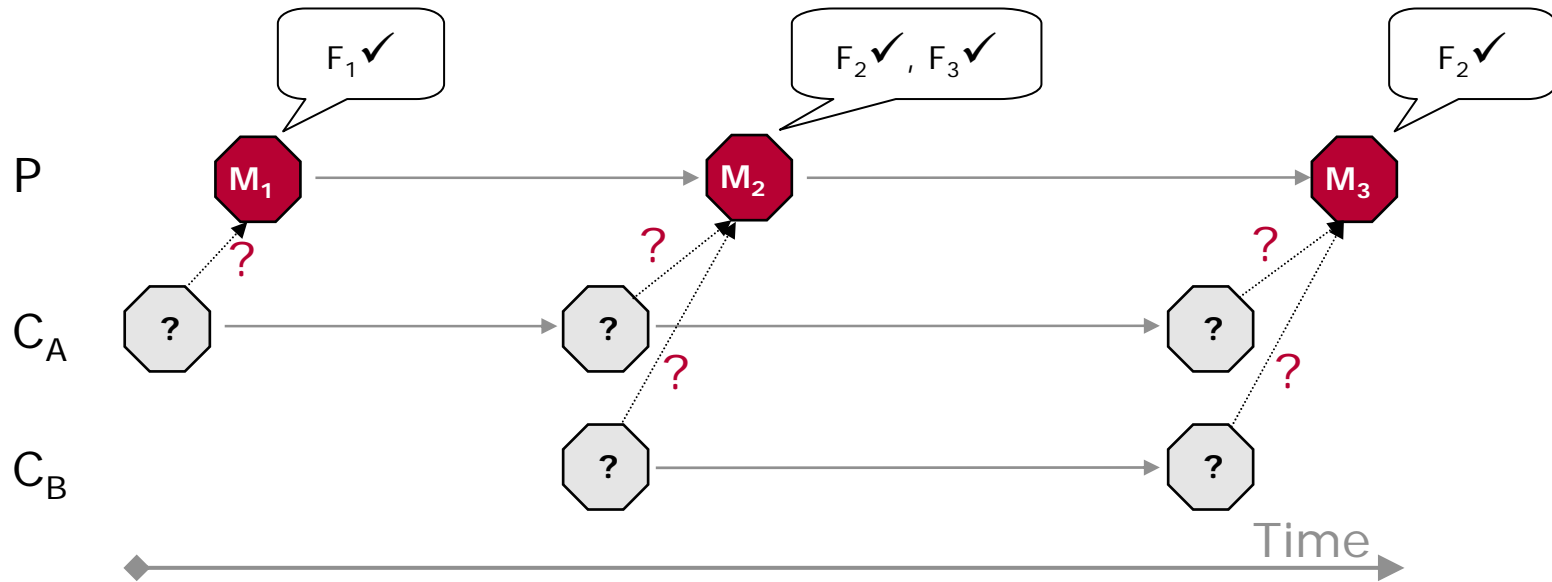
Product Roadmap

Main Milestones and Realization of Features



Synchronization of Component Planning

Contracting of Due Dates and Features



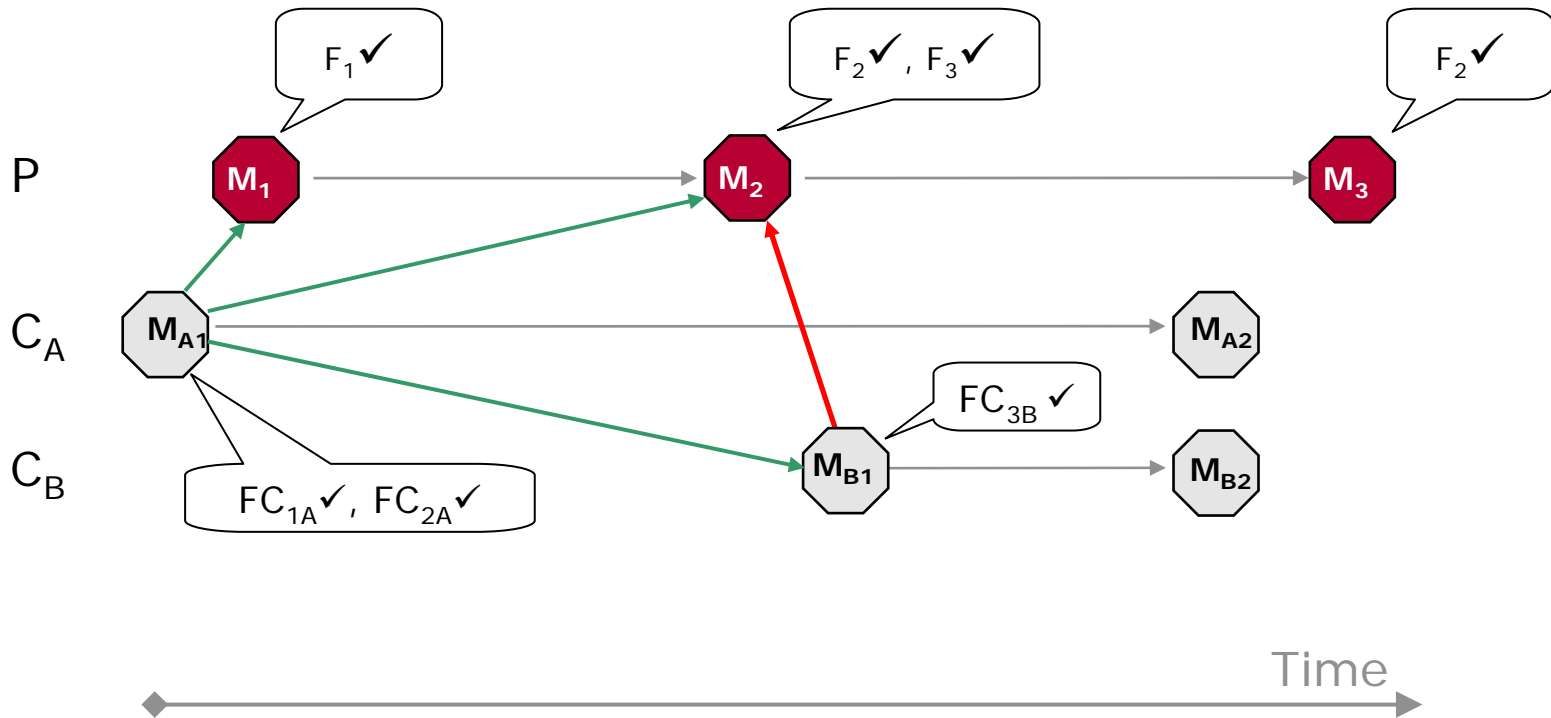
Synchronization of product roadmap and component planning:

Due dates for component milestones at C_A and C_B imply functional range.

Fixed functional range for component milestones at C_A and C_B imply due dates.

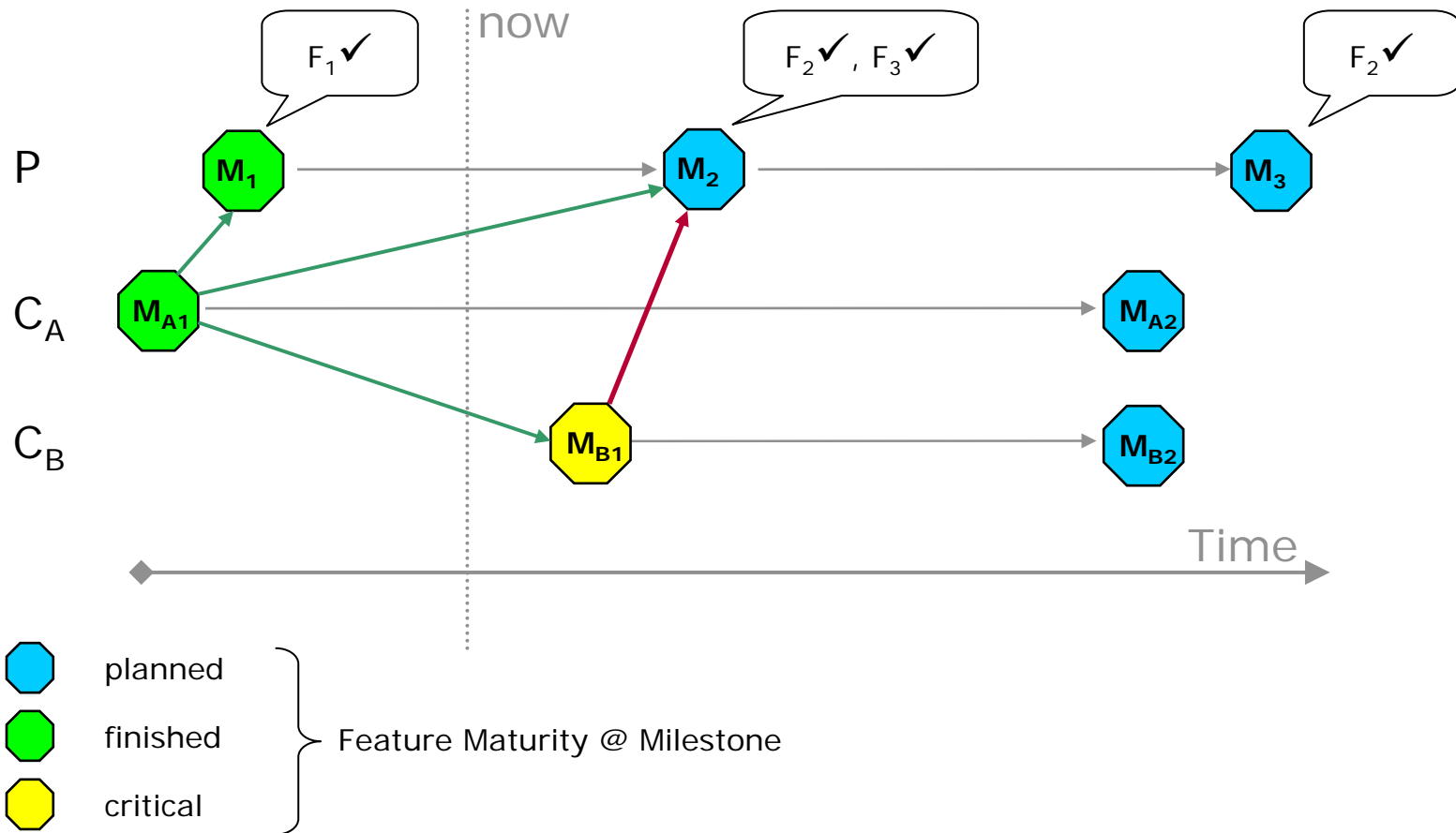
Contracting of Due Dates and Features

Example

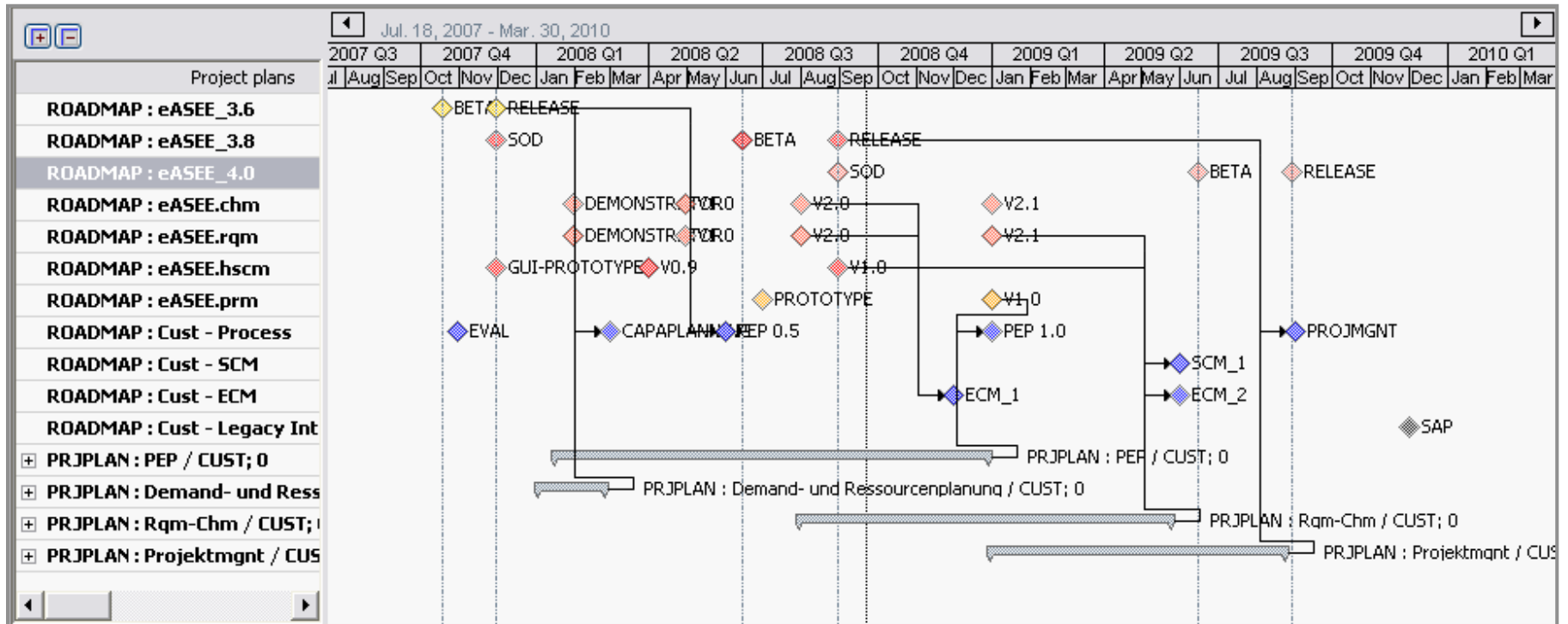


Release Planning and Tracking

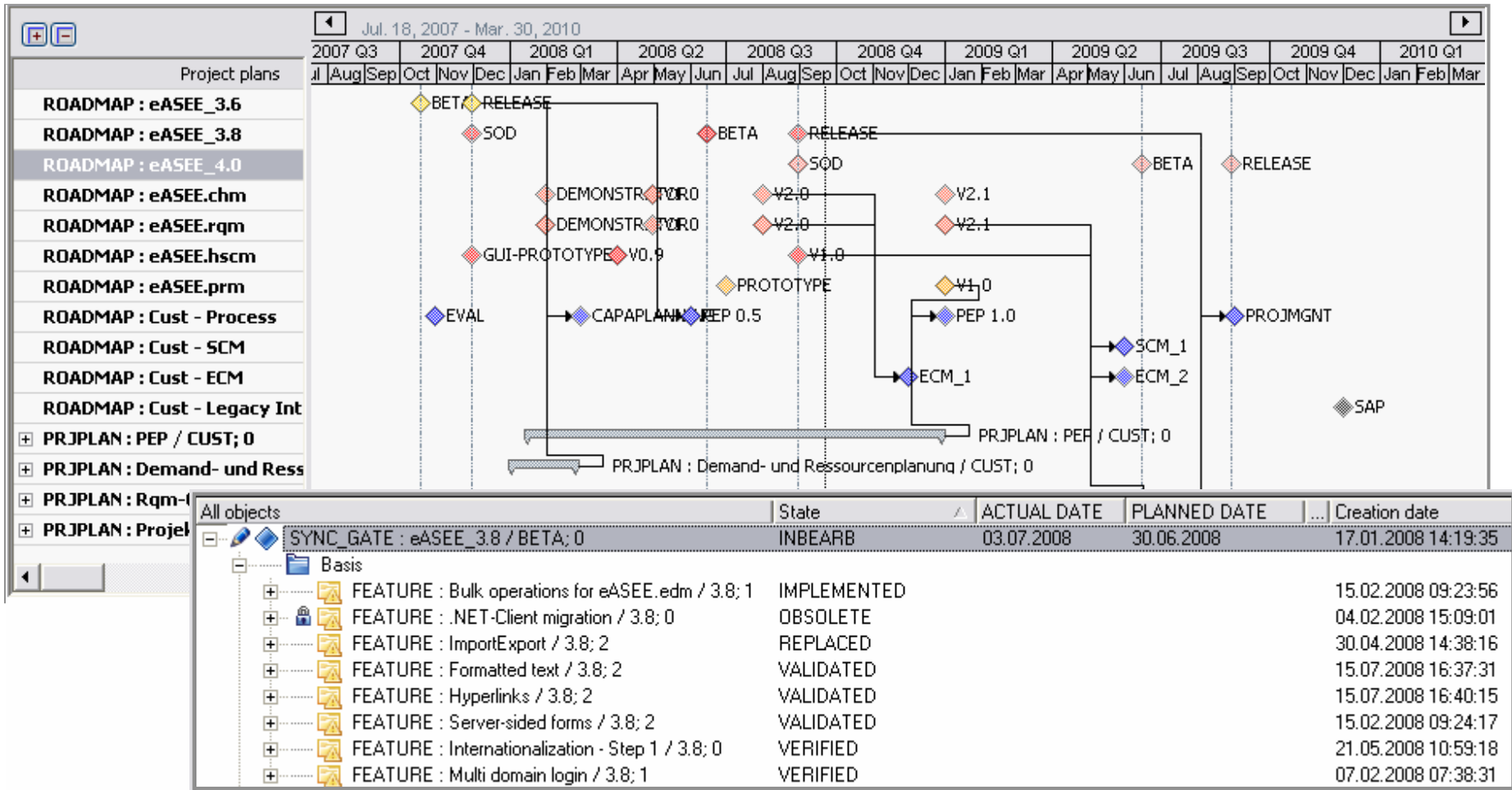
Dates and Features Maturities



eASEE Release Planning with eASEE



eASEE Release Planning with eASEE



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Objectives of Function Oriented Release Planning

- ❑ Traceability between features, components and due dates
- ❑ Contracting between product management and component development
- ❑ Synchronize top-down and bottom-up-planning
 - ❑ Identify and recover from inconsistencies in schedules
 - ❑ Identify and recover from inconsistencies in feature planning
- ❑ Planning and tracking of due dates and feature maturities
 - ❑ Which features are already implemented
 - ❑ Which components are „critical“

Requirements for Product- and Release Planning Tools

Requirements	eASEE
Based on a common data backbone <ul style="list-style-type: none">→ Traceability (requirements, features, change requests, project plans, ...)→ Handling large amounts of data	✓
Customizable to customer's business processes <ul style="list-style-type: none">→ Team oriented→ flexible in terminology→ support of roles, views and workflows	✓
Open interfaces <ul style="list-style-type: none">→ data import and export→ interfacing with third party tools	✓

Thank you for your attention.

For detailed information about Vector
and our products please have a look at:

www.vector-consulting.de

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