

# stdSEM<sup>®</sup> Overview Graphics

**Date: 16. 7. 1998**

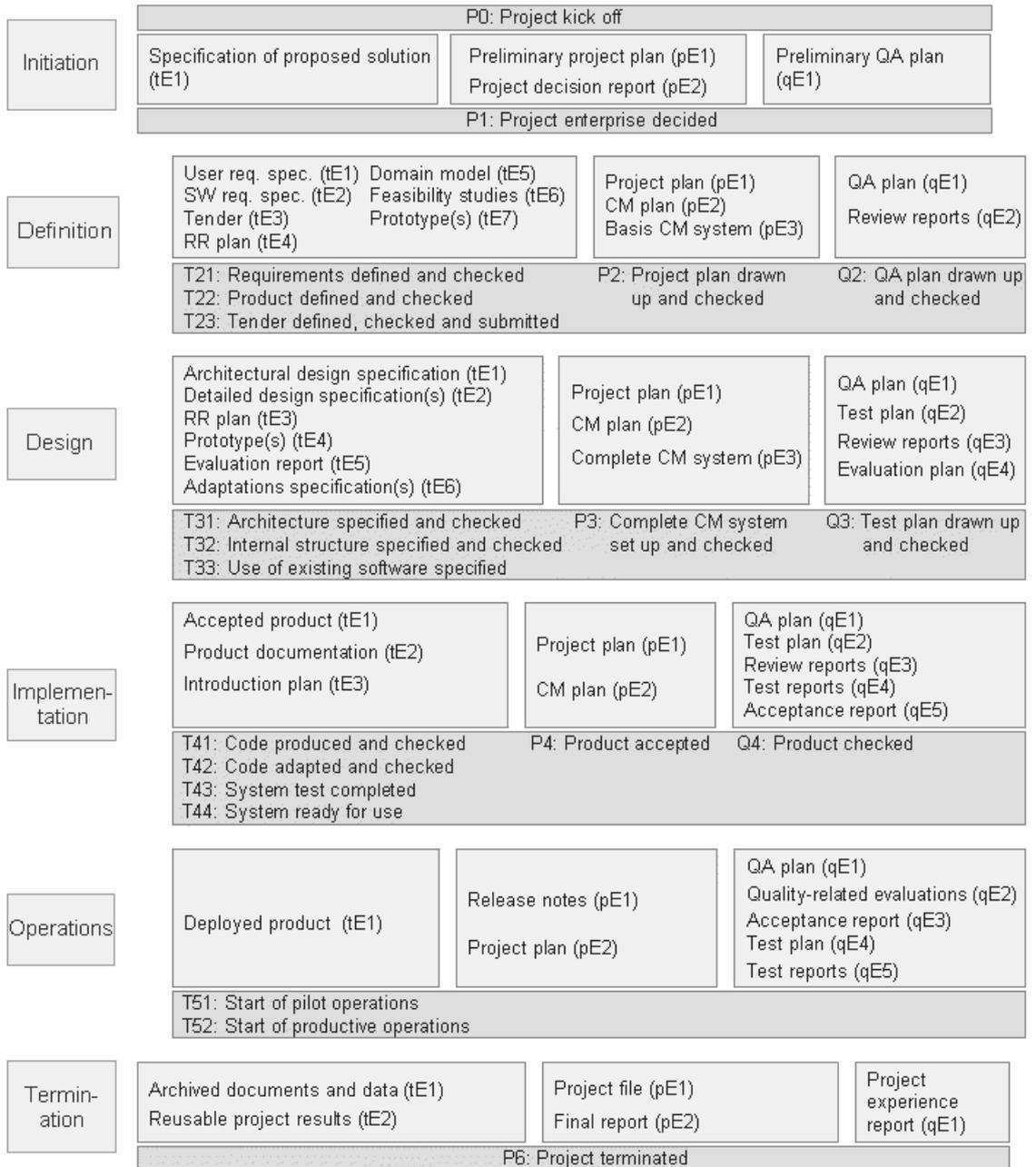
Copyright © Siemens AG Österreich 1997. All rights reserved.

|                               |   |
|-------------------------------|---|
| Table of contents .....       | 1 |
| stdSEM Overview Graphic ..... | 2 |
| stdSEM Initiation .....       | 3 |
| stdSEM Definition .....       | 4 |
| stdSEM Design .....           | 5 |
| stdSEM Implementation .....   | 6 |
| stdSEM Operations .....       | 7 |
| stdSEM Termination .....      | 8 |
| stdSEM Prototyping .....      | 9 |



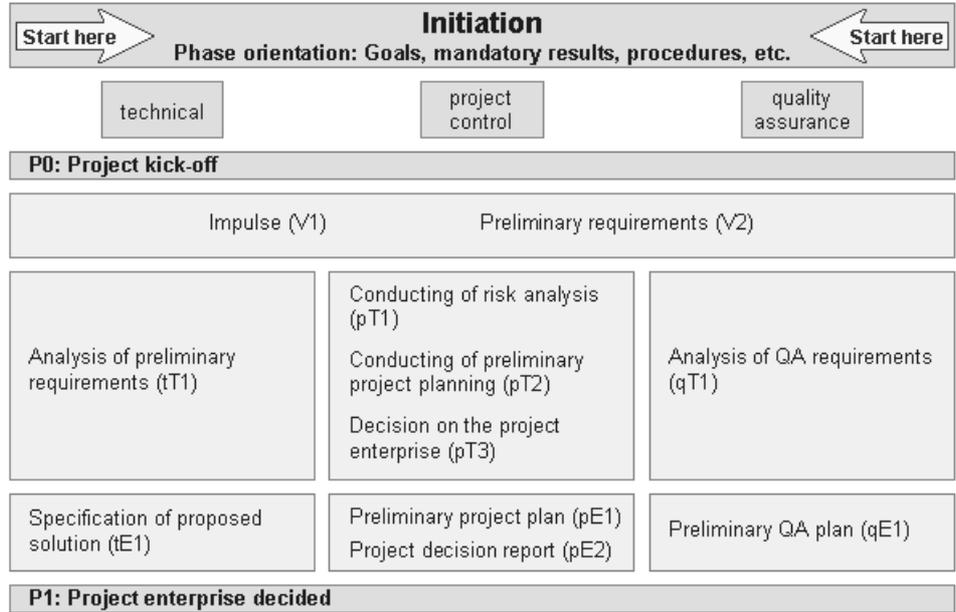
Back to the homepage

## Overview Graphic of the stdSEM





# Initiation Phase



Siemens AG Österreich, Program and Systems Engineering PSE  
 Contact: [stdSEM Webmaster](#)  
 Last modified: 07/15/98 16:00  
 Copyright © Siemens AG Österreich 1997. All rights reserved.



PM



QA



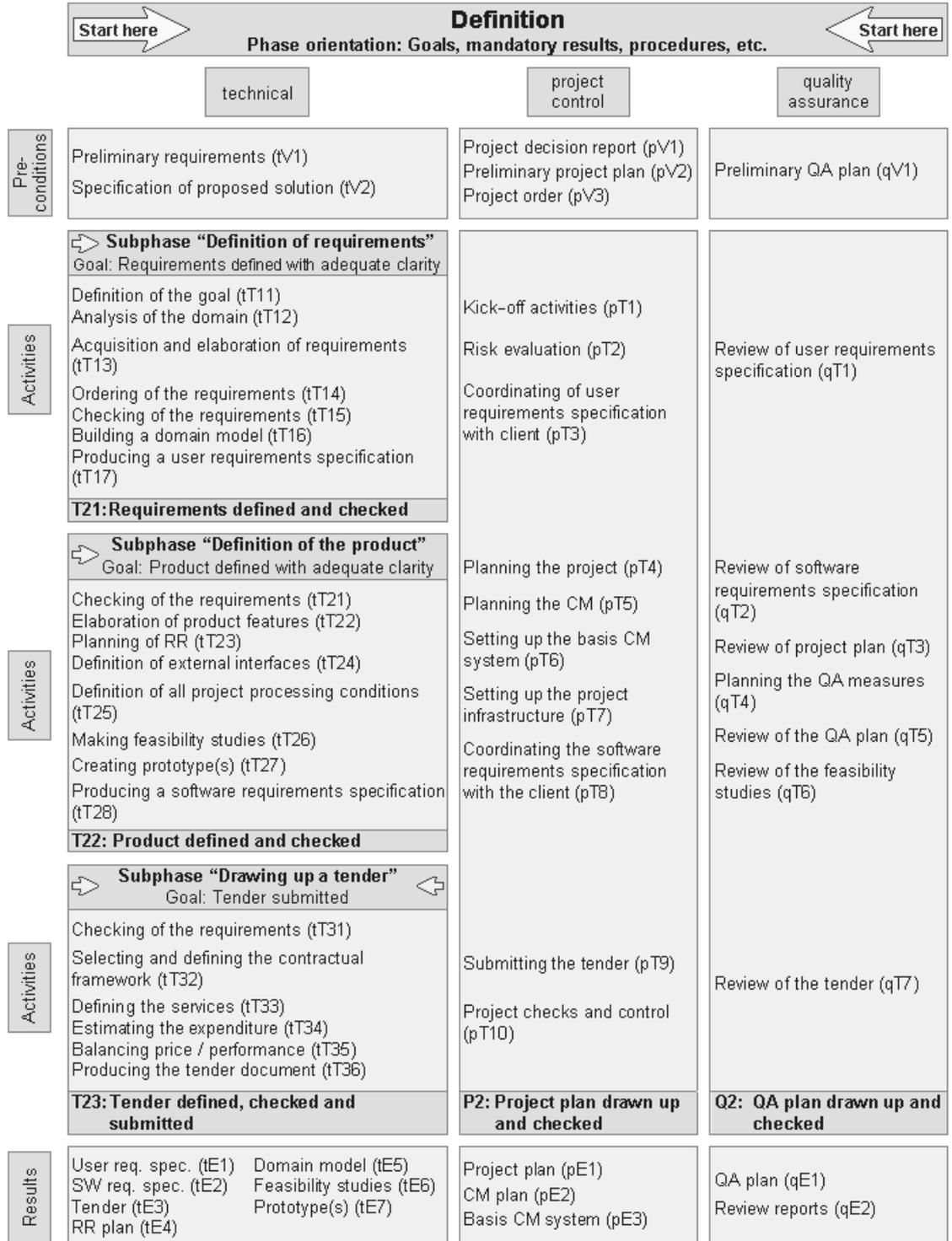
CM

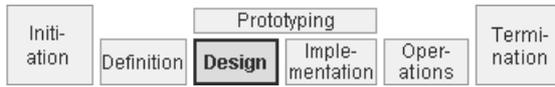


RR

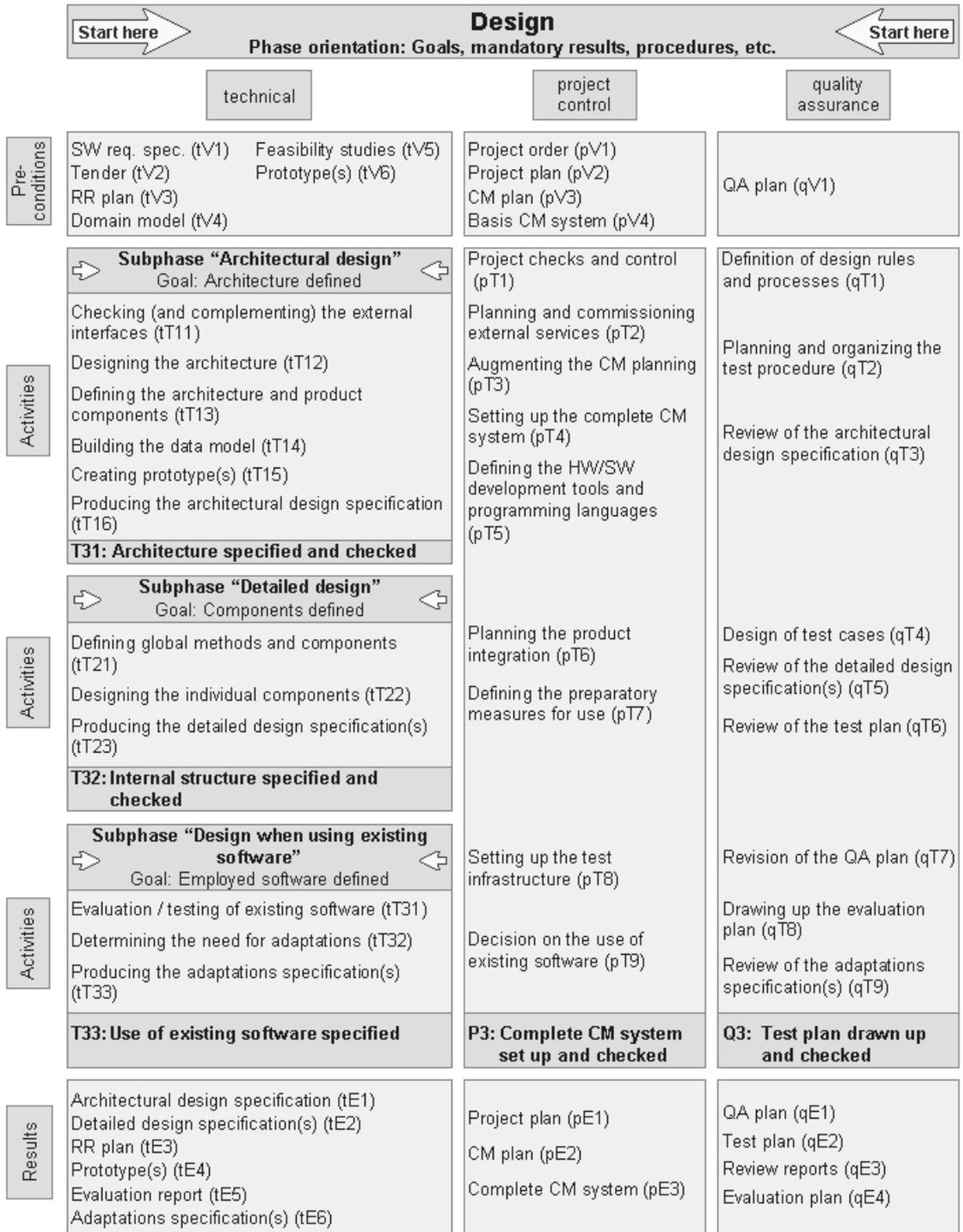


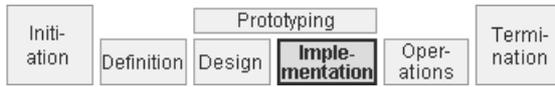
# Definition phase





# Design phase





PM



QA



CM



RR

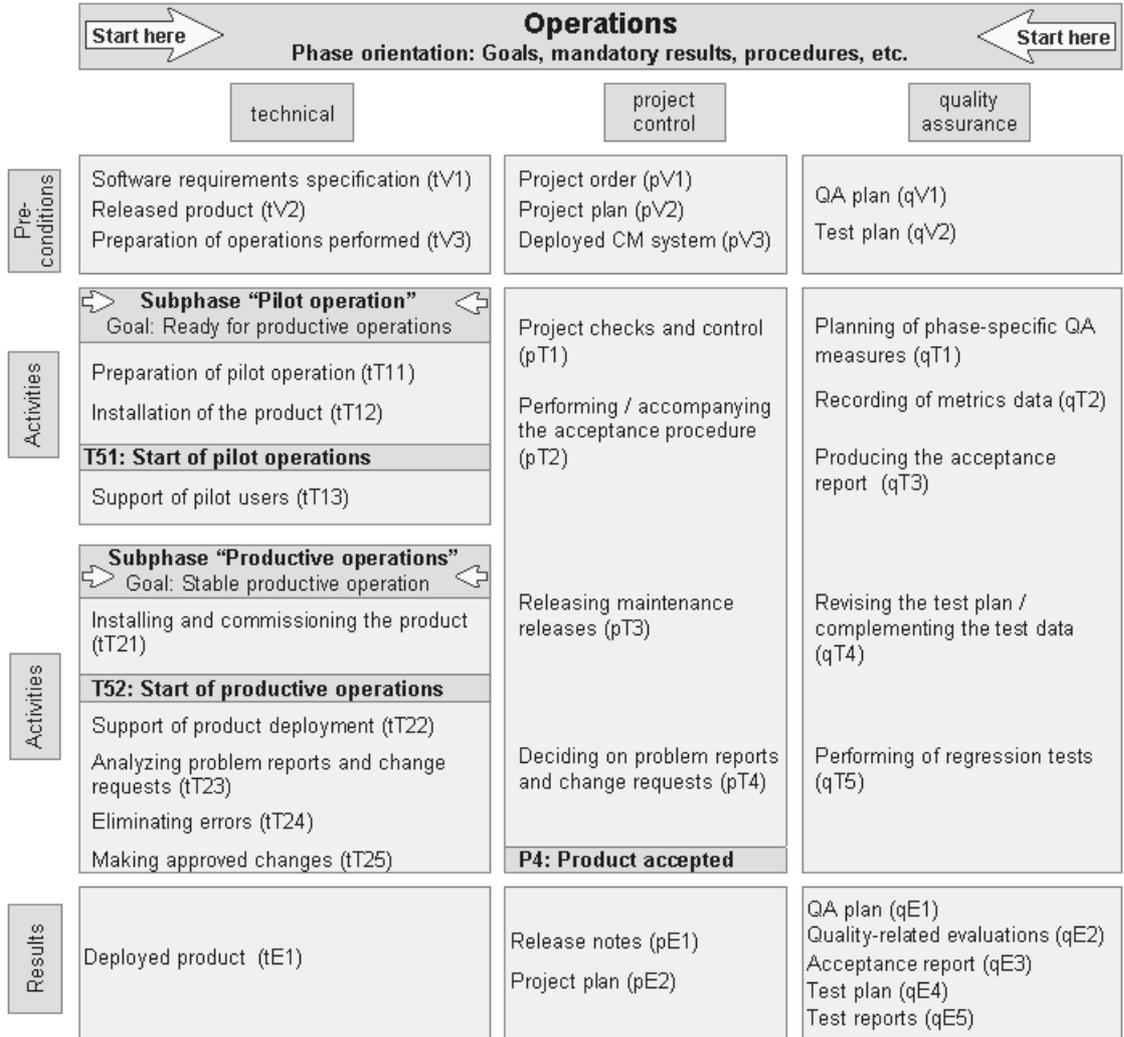


# Implementation phase



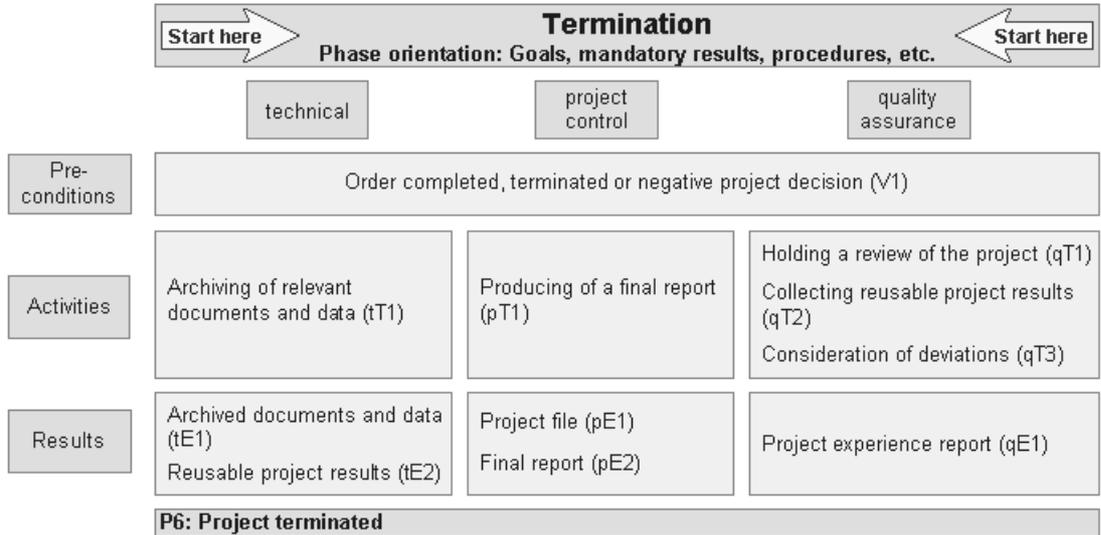


# Operations phase





## Termination phase



Siemens AG Österreich, Program and Systems Engineering PSE  
 Contact: [stdSEM Webmaster](#)  
 Last modified: 07/15/98 16:01  
 Copyright © Siemens AG Österreich 1997. All rights reserved.



# Prototyping phase



|                |  | Prototyping   |   |   |               |
|----------------|--|---|---|---|---------------|
|                |  | Phase orientation: Goals, mandatory results, procedures, etc.   |   |   |               |
|                |  | technical   | project control   | quality assurance   |               |
| Pre-conditions |  | SW req. spec. (tV1)<br>Tender (tV2)<br>RR plan (tV3)<br>Domain model (tV4)  | Feasibility studies (tV5)<br>Prototype(s) (tV6)   | Project order (pV1)<br>Project plan (pV2)<br>CM plan (pV3)<br>Basis CM system (pV4)   | QA plan (qV1) |
| Activities     | <b>Subphase "Design"</b><br>Designing the architecture (tT11)<br>Selecting / defining a prototyping development environment (tT12)<br>Elaborating / defining design principles and style guides (tT13)<br>Deciding on reuse of patterns / sample solutions (tT14)<br>Phased adoption of architecture patterns / design patterns (tT15)       |   | Project checks and control (pT1)<br><br>Setting up the complete CM system (pT2)   | Revision of the QA plan (qT1)<br><br>Drawing up the test plan (qT2)   |               |
|                | <b>Subphase "Implementation"</b><br>Phased implementation of a user interface (tT21)<br>Phased implementation of functions and sequences (tT22)<br>Phased adoption of design patterns / sample solutions (tT23)<br>Producing documentation of solution (tT24)<br>Producing product documentation (tT25)<br>Performing the system test (tT26) |   | Saving checked states of the product in the CM system (pT3)<br><br>Defining the preparatory measures for deployment (pT4)<br><br>Setting up the test infrastructure (pT5) | Design of test cases (qT3)<br>Review of the test plan (qT4)<br>Review of solution documentation (qT5)<br>Ongoing validation of development states (qT6)<br>Producing the test reports (qT7) |               |
|                | <b>Subphase "Preparation of operations"</b><br>Goal: System ready for use<br>Finalizing the product documentation (tT31)<br>Drawing up the introduction plan (tT32)<br>Elaborating and conducting user training courses (tT33)<br>Performing process integration (tT34)  |   | Performing / accompanying the acceptance procedure (pT6)  | Review of product documentation (qT8)<br><br>Producing the acceptance report (qT9)  |               |
|                |  | <b>T4: System implemented, documented and ready for use</b>   | <b>P4: Product accepted</b>   | <b>Q4: Product checked</b>  |               |
| Results        |  | Accepted product (tE1)<br>Documentation of solution (tE2)<br>Product documentation (tE3)<br>Introduction plan (tE4) | Project plan (pE1)<br>CM plan (pE2)<br>Complete CM system (pE3)   | QA plan (qE1)<br>Test plan (qE2)<br>Review reports (qE3)<br>Test reports (qE4)<br>Acceptance report (qE5)   |               |