

TPI[®] Automotive

Test Process Improvement

Erratum for version 1.0

Version: 1.0
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Datum: 28.12.2004

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1 INTRODUCTION

This document corrects some errors in the TPI Automotive version 1.0 document. It is therefore only usable in combination with the TPI Automotive version 1.0 document.

In the format used, the position of the error in the document is mentioned and the original text with the error highlighted is shown. The corrected text with the corrections highlighted is shown directly underneath it.

2 CORRECTIONS

Original text:

Page 18: 1.D.5 Each evaluation level determines its own evaluation strategy on the basis of the coordination, such as is described in the key area "Evaluation", **level B**.

Corrected version:

Each evaluation level determines its own evaluation strategy on the basis of the coordination, such as is described in the key area "Evaluation", **level C**.

Original text:

Page 18: Dependencies: Evaluation, **level B**, Evaluation strategy

Corrected version:

Evaluation, **level C**, Evaluation strategy

Original text:

Page 40: Dependencies: of methodology, **level B**, Organization generic

Corrected version:

Scope of methodology, **level C**, Organization generic

Original text:

Page 69: Dependencies: Scope of methodology, **level B**, Organization generic

Corrected version:

Scope of methodology, **level C**, Organization generic

Page 75: Enumeration 16.B.1: "**test object plus version**" is already mentioned in 16.A.1 and therefore must be deleted.

Original text:

Page 84: Dependencies: Scope of methodology, **level B**, Organization generic

Corrected version:

Scope of methodology, **level C**, Organization generic

Original text:

Page 97: Dependencies: Life-cycle model, Level B, **Planning, design, execution**

Corrected version:

Life-cycle model, Level B, **Planning, preparation, design, execution and completion**

Original text:

Page 99: Table: **10 Office environment**

Corrected version:

10 Office and laboratory environment

Page 100: The following table replaces the table of Chapter 23 of the original document:

The changes are highlighted

	Key area	A	B	C	D
1	- Test strategy	- Strategy for single high-level test (5a, 11a) -	- Combined strategy for high-level tests (2a, 5b, 11b, 14b, 18b) and depending on the scope of the integration test (21b) -	- Combined strategy for high-level tests plus low-level tests or evaluation(3c, 19c) or (20c) or (21b) in case of low-level integration -	- Combined strategy for all test and evaluation levels(3c, 19c , 20c, 21b)
2	- Life cycle model	- Planning, Design, Execution (11a)	- Planning, Preparation, Design, Execution and Completion (6a, 17a)	-	-
3	- Moment of involvement	- Completion of test basis (2a)	- Start of test basis (2b)	- Start of requirements definition	- Project initiation (11c)
4	- Estimating and planning	- Substantiated estimating and planning (2a)	- Statistically substantiated estimating and planning (7b, 15b)	-	-
5	- Test design techniques	- Informal techniques	- Formal techniques (12a, 17a)	- Mathematical methods	-
6	- Static test techniques	- Inspection of test basis	- Checklists	-	-
7	- Metrics	- Project metrics (product) (11b, 15b, 16a, 18b, 20a)	- Project metrics (process) (15c, 16b)	- System metrics (13c , 14c, 18c)	- Organization metrics (>1 system)

8	- Test automation	- Use of tools	- Managed test automation (5a, 12a)	- Optimal test automation	-
9	- Test environment	- Managed and controlled test environment (12a)	- Testing in the most suitable environment (1b)	- "Environment-on-call"	-
10	- Office and laboratory environment	- Adequate and timely office and laboratory environment	-	-	-
11	- Commitment and motivation	- Assignment of budget and time	- Testing integrated in project organization (2a, 15b, 16a, 18b)	- Test-engineering (1c, 3c, 8b, 15c)	-
12	- Test functions and training	- Test manager, integrator and testers	- (Formal) Methodical, Technical and Functional Support, Management	- Formal internal Review (13a)	-
13	- Scope of methodology	- Project specific (2b, 5b, 16a, 17a, 18b)	- Project specific with external scope (1b, 14b, 15b, 16b, 17b)	- Organization generic	- Organization optimizing, R&D activities (11b, 18c)
14	- Communication	- Internal communication	- Project communication (defects, change control) (2a, 15b, 16a)	- Communication in organization about the quality of the test processes (13c)	-

15	- Reporting	- Defects	- Progress (status of tests and products), activities (costs and time, milestones), defects with priorities(2a, 16a, 18b)	- Risks and recommendations, substantiated with metrics (1a, 5b, 7a, 16b)	- Recommendations have a Software Process Improvement character (1c, 11c)
16	- Defect management	- Internal defect management	- Extensive defect management with flexible reporting facilities	- Project defect management	-
17	- Testware management	- Internal testware management	- External management of test basis and test object and traceability of system requirements to test cases	- Reusable testware (5b)	-
18	- Test process management	- Planning and execution	- Planning, execution, monitoring and adjusting	- Monitoring and adjusting in organization (13c)	-
19	- Evaluation	- Informal evaluation	- Evaluation techniques	- Evaluation strategy	-
20	- Low-level testing	- Low-level test life cycle model (planning, design and execution)	- White-box techniques	- Low-level test strategy	-
21	- Integration testing	- Integration identified as a separate and planned process (12a, 18b)	- Test strategy for integration (2b , 3b)	- Standardized approach for integration	-