



PRODUCT ASSESSMENT

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<u>Participants</u>		

- Definition
- Metrics
- Best Practices
- World Class Performance
- Best-in-Class Recognition

I. DEFINITION

Product Assessment is verification and validation of the specified functionality and, if applicable, development cycle.

NOTES

- Functionality is taken to mean operational characteristics.
- Specified was decided after considering desired, expected, etc.
- Addition of development cycle is a good inclusion in this decision.

Product Assessment is not . . .

- Price assessment
- Produce decision-making (product decision)

II. METRICS

Product Assessment can best be measured by . . .

- Applicable ISO Metrics
- Bellcore Standards
- Industry Standards
- Customer Specific Measurements

Material from 1999 Workshop:

Why metrics?

- Predict outgoing quality
- Forecast product quality (in the field)
- Benchmark, historical

Characteristics of measurement / metrics

- Should be as much as possible person independent
- Should be planned, with adequate resources
- Ability to do valid predictions depends on process maturity

Metrics during deployment stage

- Bellcore RQMS field
- Industry TL9000 requirements handbook and metrics (includes some of RQMS, but not IPQM)

Need more pragmatic metrics

- To monitor process (prior to delivery)
 - milestones passed/failed, size,
- To trace faults that occurred in previous products
 - hard to measure

When to do product assessment?

• Verification, Validation, During deployment (should use IPQM - during development)

Sample recommended development metrics

- % features and functions tested
- # of detected issues
 - (% of these resolved)
 - (% of these still open)
- (However, we don't have a measure of the remaining bugs we have not seen yet!)

Discussion on Best Practices:

- Knowing which metrics are already applied
- Choose metrics that assess the development process
- Choose metrics that predict product risk level and quality level

III. PARTICIPANTS

The working group participants consisted of the following industry professionals.

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Dietl, Thomas	DiplIng. Univ.	Deutsche	Nurnberg, Germany
		Telekom AG	
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