

Test Attributes (Part I) for Evaluation-based Techniques I

Attribute/Technique	Function Equivalence T.	Mathematical Oracle	Constraints Checks T.	Self-verifying Data
Coverage				
Information value (tester)	Core	Core	Core	Core
Easy to evaluate	Core	Core	Core	Core
Value (stakeholder)	Core		Core	
Credible				
Validity	Desired	Desired	Desired	Desired
Power		Core		Desired
Representative				Desired
Non-redundant		Desired		
Motivating (stakeholder)	Core			

Test Attributes (Part I) for Evaluation-based Techniques II

Attribute/Technique	Comparison with saved results	Comparison with specifications or other authoritative documents	Diagnostics-based T.	Verifiable state models
Coverage	Core	Desired		Desired
Information value (tester)	Core		Core	Core
Easy to evaluate	Core	Core	Core	Core
Value (stakeholder)	Desired	Core		Core
Credible				
Validity	Desired	Desired	Desired	Desired
Power	Core	Desired	Core	
Representative				
Non-redundant		Desired		Core
Motivating (stakeholder)	Core	Core	Core	

Test Attributes (Part II) for Evaluation-based Techniques I

Attribute/Technique	Function Equivalence T.	Mathematical Oracle	Constraints Checks T.	Self-verifying Data
Performable	Core	Core	Core	Core
Reusable	Core	Core	Core	Core
Maintainable	Core	Core	Core	Core
Supports troubleshooting	Core	Core	Core	Core
Appropriately complex	Desired	Desired	Desired	Desired
Accountable				
Affordable				
Opportunity Cost	Desired	Desired	Desired	Desired

Test Attributes (Part II) for Evaluation-based Techniques II

Attribute/Technique	Comparison with saved results	Comparison with specifications or other authoritative documents	Diagnostics- based T.	Verifiable state models
Performable	Core	Core	Core	Core
Reusable	Core	Core	Core	Core
Maintainable	Core	Core	Core	Core
Supports troubleshooting	Core	Core	Core	Core
Appropriately complex	Desired	Desired	Desired	Desired
Accountable				
Affordable				
Opportunity Cost	Desired	Desired	Desired	Desired