

"265" SOFTWARE MAINTENANCE METRICS

PHASE	PRODUCT METRICS	PROCESS METRICS
Discrepancy/ Change Identification Phase	<ul style="list-style-type: none"> □ Inputs <ul style="list-style-type: none"> • Number of DRs • Number of RFCs • Total Number of Inputs □ Outputs <ul style="list-style-type: none"> • Number of CRs • Number of Implementation Plans • Total Number of Outputs □ Size <ul style="list-style-type: none"> • Number of DR Pages • Number of RFC Pages • Number of CR Pages • Number of Implementation Plan Pages • Total Number of Pages □ Quality <ul style="list-style-type: none"> • Number Defects per CR • Number of Defects per Implementation Plan • Total Number of Defects 	<ul style="list-style-type: none"> □ Resources <ul style="list-style-type: none"> • Effort for Discrepancy/Change Identification Phase • Duration for Discrepancy/Change Identification Phase • Cost for Discrepancy/Change Identification Phase • Staff Size for Discrepancy/Change Identification Phase • Critical Computer Resources for Discrepancy/Change Identification Phase □ Efficiency <ul style="list-style-type: none"> • DRs per Hour • RFCs per Hour • CRs per Hour • Implementation Plans per Hour • Inputs per Hour • Outputs per Hour • Inputs and Outputs per Hour • CR Defects per Inspection Hour • Implementation Plan Defects per Inspection Hour • Total Defects per Inspection Hour
Analysis Phase	<ul style="list-style-type: none"> □ Inputs <ul style="list-style-type: none"> • Number of CRs • Number of Implementation Plans • Number of Software Requirements Documents • Number of Software Design Documents • Number of Database Design Documents • Number of other Documents • Total Number of Inputs □ Outputs <ul style="list-style-type: none"> • Number of Completed CRs • Number of Updated Implementation Plans • Total Number of Outputs □ Size <ul style="list-style-type: none"> • Number of CR Pages • Number of Implementation Plan Pages • Number of Completed CR Pages 	<ul style="list-style-type: none"> □ Resources <ul style="list-style-type: none"> • Effort for Analysis Phase • Duration for Analysis Phase • Cost for Analysis Phase • Staff Size for Analysis Phase • Critical Computer Resources for Analysis Phase □ Efficiency <ul style="list-style-type: none"> • CRs per Hour • Implementation Plans per Hour • Software Requirements Documents per Hour • Software Design Documents per Hour • Database Design Documents per Hour • Other Documents per Hour • Completed CRs per Hour • Updated Implementation Plans per Hour • Inputs per Hour • Outputs per Hour • Inputs and Outputs per Hour

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PHASE	PRODUCT METRICS	PROCESS METRICS
	<ul style="list-style-type: none"> • Number of Updated Implementation Plan Pages • Number of Software Requirements Document Pages • Number of Software Design Document Pages • Number of Database Design Document Pages • Number of other Document Pages • Total Number of Pages <ul style="list-style-type: none"> □ Quality <ul style="list-style-type: none"> • Number of Defects per Completed CR • Number of Defects per Updated Implementation Plan • Total Number of Defects 	<ul style="list-style-type: none"> • Completed CR Defects per Inspection Hour • Updated Implementation Plan Defects per Inspection Hour • Total Defects per Inspection Hour
Design Phase	<ul style="list-style-type: none"> □ Inputs <ul style="list-style-type: none"> • Number of CRs • Number of Implementation Plans • Number of Software Requirements Documents • Number of Software Design Documents • Number of Database Design Documents • Number of other Documents • Total Number of Inputs □ Outputs <ul style="list-style-type: none"> • Number of Updated CRs • Number of Updated Implementation Plans • Number of Updated Software Requirements Documents • Number of Updated Software Design Documents • Number of Updated Database Design Documents • Number of other Updated Documents • Total Number of Outputs □ Size <ul style="list-style-type: none"> • Number of CR Pages • Number of Implementation Plan Pages • Number of Software Requirements Document Pages • Number of Software Design Document Pages 	<ul style="list-style-type: none"> □ Resources <ul style="list-style-type: none"> • Effort for Design Phase • Duration for Design Phase • Cost for Design Phase • Staff Size for Design Phase • Critical Computer Resources for Design Phase □ Efficiency <ul style="list-style-type: none"> • CRs per Hour • Implementation Plans per Hour • Software Requirements Documents per Hour • Software Design Documents per Hour • Database Design Documents per Hour • Other Documents per Hour • Updated CRs per Hour • Updated Implementation Plans per Hour per Hour • Updated Software Requirements Documents per Hour • Updated Software Design Documents per Hour • Updated Database Design Documents per Hour • Updated Documents per Hour • Inputs per Hour • Outputs per Hour • Inputs and Outputs per Hour • Updated CR Defects per Inspection Hour • Updated Implementation Plan Defects

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PHASE	PRODUCT METRICS	PROCESS METRICS
	<ul style="list-style-type: none"> • Number of Database Design Document Pages • Number of other Document Pages • Number of Updated CR Pages • Number of Updated Implementation Plan Pages • Number of Updated Software Requirements Document Pages • Number of Updated Software Design Document Pages • Number of Updated Database Design Document Pages • Number of other Updated Document Pages • Total Number of Pages <ul style="list-style-type: none"> □ Quality <ul style="list-style-type: none"> • Number of Defects per Updated CR • Number of Defects per Updated Implementation Plan • Number of Defects per Updated Software Requirements Document • Number of Defects per Updated Software Design Document • Number of Defects per Updated Database Design Document • Number of Defects per other Updated Document • Total Number of Defects 	<p style="text-align: center;">per Inspection Hour</p> <ul style="list-style-type: none"> • Updated Software Requirements Document Defects per Inspection Hour • Updated Software Design Document Defects per Inspection Hour • Updated Database Design Document Defects per Inspection Hour • Other Updated Document Defects per Inspection Hour • Total Defects per Inspection Hour
Implementation Phase	<ul style="list-style-type: none"> □ Inputs <ul style="list-style-type: none"> • Number of CRs • Number of Implementation Plans • Number of Software Requirements Documents • Number of Software Design Documents • Number of Database Design Documents • Number of other Documents • Total Number of Inputs □ Outputs <ul style="list-style-type: none"> • Number of Updated CRs • Number of Updated Implementation Plans • Number of Test Plans • Number of Test Procedure Documents • Number of BRRs 	<ul style="list-style-type: none"> □ Resources <ul style="list-style-type: none"> • Effort for Implementation Phase • Duration for Implementation Phase • Cost for Implementation Phase • Staff Size for Implementation Phase • Critical Computer Resources for Implementation Phase □ Efficiency <ul style="list-style-type: none"> • CRs per Hour • Implementation Plans per Hour • Software Requirements Documents per Hour • Software Design Documents per Hour • Database Design Documents per Hour • Other Documents per Hour • Updated CRs per Hour • Updated Implementation Plans per Hour per Hour

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PHASE	PRODUCT METRICS	PROCESS METRICS
	<ul style="list-style-type: none"> • Number of Updated Software Requirements Documents • Number of Updated Software Design Documents • Number of Updated Database Design Documents • Number of other Updated Documents • Total Number of Outputs <p>□ Size</p> <ul style="list-style-type: none"> • Number of CR Pages • Number of Implementation Plan Pages • Number of Software Requirements Document Pages • Number of Software Design Document Pages • Number of Database Design Document Pages • Number of other Document Pages • Number of Updated CR Pages • Number of Updated Implementation Plan Pages • Number of Test Plan Pages • Number of Test Procedure Document Pages • Number of BRR Pages • Number of Updated Software Requirements Document Pages • Number of Updated Software Design Document Pages • Number of Updated Database Design Document Pages • Number of other Updated Document Pages • Total Number of Pages • New Source Lines of Code • Reused Source Lines of Code • Modified Source Lines of Code • Deleted Source Lines of Code • Total Source Lines of Code <p>□ Quality</p> <ul style="list-style-type: none"> • Number of Defects per Updated CR • Number of Defects per Updated Implementation Plan • Number of Defects per Test Plan • Number of Defects per Test Procedures Document 	<ul style="list-style-type: none"> • Test Plans per Hour • Test Procedure Documents per Hour • Updated Software Requirements Documents per Hour • Updated Software Design Documents per Hour • Updated Database Design Documents per Hour • Updated Documents per Hour • Inputs per Hour • Outputs per Hour • Inputs and Outputs per Hour • Updated CR Defects per Inspection Hour • Updated Implementation Plan Defects per Inspection Hour • Test Plan Defects per Hour • Test Procedure Documents per Hour • Updated Software Requirements Document Defects per Inspection Hour • Updated Software Design Document Defects per Inspection Hour • Updated Database Design Document Defects per Inspection Hour • Other Updated Document Defects per Inspection Hour • Total Defects per Inspection Hour

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PHASE	PRODUCT METRICS	PROCESS METRICS
	<ul style="list-style-type: none"> • Number of Defects per Updated Software Requirements Document • Number of Defects per Updated Software Design Document • Number of Defects per Updated Database Design Document • Number of Defects per other Updated Document • Number of Defects per New Source Lines of Code • Number of Defects per Reused Source Lines of Code • Number of Defects per Modified Source Lines of Code • Number of Defects per Deleted Source Lines of Code • Number of Defects per Total Source Lines of Code • Total Number of Defects 	
Testing Phase	<ul style="list-style-type: none"> □ Inputs <ul style="list-style-type: none"> • Number of Software Executables • Number of Test Procedure Documents • Number of Software Requirements Documents • Number of Software Design Documents • Number of Database Design Documents • Number of other Documents • Total Number of Inputs □ Outputs <ul style="list-style-type: none"> • Number of Test Results • Number of Test Reports • Number of TRR Documents • Number of ATR Documents • Total Number of Outputs □ Size <ul style="list-style-type: none"> • Number of Software Executable Megabytes • Number of Test Procedure Document Pages • Number of Software Requirements Document Pages • Number of Software Design Document Pages • Number of Database Design 	<ul style="list-style-type: none"> □ Resources <ul style="list-style-type: none"> • Effort for Acceptance Testing Phase • Duration for Acceptance Testing Phase • Cost for Acceptance Testing Phase • Staff Size for Acceptance Testing Phase • Critical Computer Resources for Acceptance Testing Phase □ Efficiency <ul style="list-style-type: none"> • Software Executables per Hour • Test Procedure Documents per Hour • Software Requirements Documents per Hour • Software Design Documents per Hour • Database Design Documents per Hour • Other Documents per Hour • Test Results per Hour • Test Reports per Hour • TRR Documents per Hour • ATR Documents per Hour • Inputs per Hour • Outputs per Hour • Inputs and Outputs per Hour • Software Executable Defects per Test Hour • Test Results Defects per Inspection Hour

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PHASE	PRODUCT METRICS	PROCESS METRICS
	<p>Document Pages</p> <ul style="list-style-type: none"> • Number of other Document Pages • Number of Test Result Pages • Number of Test Report Pages • Number of TRR Document Pages • Number of ATR Document Pages • Total Number of Pages <p>□ Quality</p> <ul style="list-style-type: none"> • Number of Defects per Test Results • Number of Defects per Test Reports • Number of Defects per TRR Documents • Number of Defects per ATR Documents • Total Number of Defects 	<p>Hour</p> <ul style="list-style-type: none"> • TRR Document Defects per Inspection Hour • ATR Document Defects per Inspection Hour • Total Defects per Inspection Hour