



# PERFORMANCE MEASUREMENT DISCIPLINE

Last Updated 07/25/06

DEFINITION	
<i>Name</i>	Performance Measurement & Capacity Planning
<i>Description</i>	The performance measurement and capacity planning discipline defines the roles, standards, policies, and technologies for measuring system performance and determining optimal capacity for utilization and planning purposes.
<i>Rationale</i>	A performance measurement and capacity planning methodology will provide the means to achieve and maintain optimal operations of technology resources.
<i>Benefits</i>	<p>Benefits of the Performance Measurement &amp; Capacity Planning discipline include:</p> <ul style="list-style-type: none"> <li>• Highly available solutions</li> <li>• Improved customer satisfaction</li> <li>• Better validation and justification of IT spending</li> <li>• Recognition and correction of over and under utilization of system resources</li> <li>• Decreased complexity of operations due to system constraints</li> <li>• Reduction of the frequency and duration of system constraints</li> <li>• To more effectively manage the network environment</li> <li>• A consistent way to communicate performance strengths and weaknesses</li> <li>• Improved ownership and accountability</li> </ul>
BOUNDARY	
<i>Boundary Limit Statement</i>	<p>This discipline is limited to monitoring, measuring and managing the performance and capacity of mainframe, server, workstation, network and network-attached devices operating on the State network. This discipline does not encompass systems hosted on non-State of Missouri networks; however, some of these tools and techniques may be used for these systems.</p> <p>The Performance Measurement &amp; Capacity Planning discipline does not include hardware specifications, non-networked devices or techniques needed to improve Application Performance and Database Management.</p>
ASSOCIATED ARCHITECTURE LEVEL	
<i>Specify the Domain Name</i>	System Management

CRITICAL REFERENCES			
Related Domains/Disciplines			
<input type="checkbox"/>	Application -Development Tools	<input type="checkbox"/>	Interface-Accessibility
<input type="checkbox"/>	Application -Electronic Collaboration	<input type="checkbox"/>	Interface-Branding
<input type="checkbox"/>	Information-Data Management	<input type="checkbox"/>	Interoperability-Application Interoperability
<input type="checkbox"/>	Information-GIT	<input type="checkbox"/>	Interoperability-Data Exchange
<input type="checkbox"/>	Information-Knowledge Management	<input type="checkbox"/>	Privacy-Personalization
<input type="checkbox"/>	Information - GIT	<input type="checkbox"/>	Privacy-Privacy (Data)
<input checked="" type="checkbox"/>	Infrastructure - Network	<input type="checkbox"/>	Privacy-Profiles
<input checked="" type="checkbox"/>	Infrastructure - Platform	<input checked="" type="checkbox"/>	Security-Management Controls
<input type="checkbox"/>	Interface-Access	<input checked="" type="checkbox"/>	Security-Operational Controls
<input type="checkbox"/>		<input type="checkbox"/>	Security-Technical Controls
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Systems Management-Asset Management
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Systems Management-Change/Configuration Management
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Systems Management-Help Desk/Incident Management
<input type="checkbox"/>		<input type="checkbox"/>	Systems Management-Performance Measurement and Capacity Planning
<input type="checkbox"/>		<input type="checkbox"/>	Systems Management-System Availability
<input type="checkbox"/>		<input type="checkbox"/>	Systems Management-System Event Management
<input type="checkbox"/>		<input type="checkbox"/>	Systems Management-System Recovery
<input type="checkbox"/>		<input type="checkbox"/>	
Standards Organizations/Government Bodies			
List Standards Organizations			
List Government Bodies			
Stakeholders/Roles			
List Stakeholders	State IT Staff, state workers, citizens, partners and Service Providers.		
List Roles			
Discipline-Specific Technology Trends			
List Discipline-specific Technology Trends	Network probes, automation, event driven alarms and smart reporting		
Technology Trend Source			
ASSOCIATED COMPLIANCE COMPONENTS			
List Discipline-level Compliance Components			
METHODOLOGIES			
List methodologies followed			
DISCIPLINE DOCUMENTATION REQUIREMENTS			
Provide documentation requirements for this Discipline			
ASSOCIATED TECHNOLOGY AREAS			
List the Technology Areas associated with this Discipline	Capacity Management, Reporting Capability, Measurement, Historical Performance & Data Repository, Performance Management, Modeling & Benchmarking, and Software Performance Engineering		
CURRENT STATUS			
Provide the Current Status	<input type="checkbox"/> In Development	<input type="checkbox"/> Under Review	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected

AUDIT TRAIL

<i>Creation Date</i>	11/01/05	<i>Date Approved/Rejected</i>	9/12/06
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	07/25/06
<i>Reason for Update</i>			