



SYSTEM AVAILABILITY/RECOVERY DISCIPLINE

Last Revised: 06/30/06

DEFINITION	
<i>Name</i>	System Availability/Recovery
<i>Description</i>	<p>The System Availability/Recovery discipline defines the roles, standards, policies, and procedures for monitoring and controlling the availability of any part or all of information systems operating on the State of Missouri network and for the recovery of these systems upon failure.</p> <p>System in this context is defined as hardware, operating system, software, networks, cables, peripherals, and data working together to facilitate the transformation or flow of information.</p> <p>Network in this context is defined as all pieces and parts that allow for connectivity between the end user and the server. It includes the hardware and software (routers, switches, firewalls) that enable that to happen. The network ends at the card in the end device.</p>
<i>Rationale</i>	Business processes increasingly depend on complex information systems that span organizational boundaries, and are used around-the-clock, every day of the year. A comprehensive proactive approach to System Availability and Recovery is necessary to provide a consistently high level of access to the State of Missouri systems.
<i>Benefits</i>	<p>The System Availability/Recovery discipline will provide:</p> <ul style="list-style-type: none"> - A proactive approach to planned downtime - Minimization of unplanned downtime - Identification of vital system components - Monitoring of vital system components - Improved communication of system availability status - Corrective Actions - Improved communication of Recovery status - Documented Recovery Procedures for components
BOUNDARY	
<i>Boundary Limit Statement</i>	The System Availability/Recovery discipline encompasses the availability of information systems 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 to monitor these systems. This discipline does not encompass disaster recovery.
ASSOCIATED ARCHITECTURE LEVEL	
<i>Specify the Domain Name</i>	Systems Management

CRITICAL REFERENCES					
Related Domains/Disciplines					
<input type="checkbox"/>	Application -Development Tools	<input type="checkbox"/>	Interface-Accessibility	<input type="checkbox"/>	Security-Technical Controls
<input type="checkbox"/>	Application -Electronic Collaboration	<input type="checkbox"/>	Interface-Branding	<input checked="" type="checkbox"/>	Systems Management-Asset Management
<input type="checkbox"/>	Information-Data Management	<input checked="" type="checkbox"/>	Interoperability-Application Interoperability	<input checked="" type="checkbox"/>	Systems Management-Change/Configuration Management
<input type="checkbox"/>	Information-GIT	<input checked="" type="checkbox"/>	Interoperability-Data Exchange	<input checked="" type="checkbox"/>	Systems Management-Help Desk/Incident Management
<input type="checkbox"/>	Information-Knowledge Management	<input type="checkbox"/>	Privacy-Personalization	<input checked="" type="checkbox"/>	Systems Management-Performance Measurement and Capacity Planning
<input type="checkbox"/>	Information - GIT	<input type="checkbox"/>	Privacy-Privacy (Data)	<input type="checkbox"/>	Systems Management-System Availability
<input checked="" type="checkbox"/>	Infrastructure - Network	<input type="checkbox"/>	Privacy-Profiles	<input checked="" type="checkbox"/>	Systems Management-System Event Management
<input checked="" type="checkbox"/>	Infrastructure - Platform	<input type="checkbox"/>	Security-Management Controls	<input checked="" type="checkbox"/>	Systems Management-System Recovery
<input type="checkbox"/>	Interface-Access	<input type="checkbox"/>	Security-Operational Controls	<input type="checkbox"/>	
Standards Organizations/Government Bodies					
<i>List Standards Organizations</i>					
<i>List Government Bodies</i>					
Stakeholders/Roles					
<i>List Stakeholders</i>		State IT Staff, state workers, citizens, partners and Service Providers.			
<i>List Roles</i>					
Discipline-Specific Technology Trends					
<i>List Discipline-specific Technology Trends</i>		Wireless Technology, Virtual Technology			
<i>Technology Trend Source</i>					
ASSOCIATED COMPLIANCE COMPONENTS					
<i>List Discipline-level Compliance Components</i>					
METHODOLOGIES					
<i>List methodologies followed</i>		RAID, Redundant Storage and Connectivity, Clustering			
DISCIPLINE DOCUMENTATION REQUIREMENTS					
<i>Provide documentation requirements for this Discipline</i>					
ASSOCIATED TECHNOLOGY AREAS					
<i>List the Technology Areas associated with this Discipline</i>					
CURRENT STATUS					
<i>Provide the Current Status</i>		<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>	04/11/2006	<i>Date Approved/Rejected</i>	7/11/06
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	06/30/2006
<i>Reason for Update</i>			