

## Computing & Networking Infrastructure Consolidation (CNIC) Scope Definitions Matrix

Function/Issue	In Scope – Moved & Managed	In Scope - Managed	Out of Scope	Assumptions/Rationale
Networks	All circuits and all network devices in the data centers (most of this equipment will be replaced rather than moved)	All network devices on the customer/agency side of the remote router (i.e. remote locations).		This is key to supporting the CNIC Steering Committee's scope principle of establishing a single computing and network environment.
Servers	All servers/MF that reside in the data centers / server rooms.	Remote office servers (although some remote servers may be candidates to be moved to data center)	Imaging systems, telephony systems and any servers identified in Stage 0 to be out of scope.	Agencies will continue to manage their own applications, including e-mail, remotely. Remote servers included as a result of Stage 0 will be planned to be managed by the datacenter.
Storage Area Network	All SAN and enterprise file storage infrastructure.	Storage on distributed File/print servers.		Agencies are increasingly dependent on centralized storage technology for all data, including that which formerly resided on local file servers. It is essential that the consolidated network be designed for and capable of delivering required performance.
Data Backup and Recovery	Data backup and recovery infrastructure, related software, scheduled execution of backups, and customer requested data recovery.		Although backup systems will be housed in the data center support of desktop backups will continue to be part of the desktop support function.	A common data backup solution will be implemented with the state data center. Customers will determine data backup requirements for each application and related data. The state data center is responsible to ensure scheduled backups and data recovery occur successfully. The SDC and agencies will share responsibility for desktop backups where required.
Directory Services	Only the directory services required within the State Data Center.	Directory services servers (HW and OS)	Directory services currently administered by state agencies.	The CNIC Steering Committee is considering directory services consolidation as a potential near term initiative and high level strategic planning is occurring as part of the Enterprise Security Office's Identity and Access Management project, but consolidation of directory services is currently out of scope for the CNIC project. However, management of the servers that those directory services reside on is considered in scope.

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Systems Administration	All SA functions including installation and maintenance of operating system software and patches. Middleware application installation and maintenance are in scope depending on platform and application (i.e. DB2 installation and maintenance on a z/OS platform).		Application administration.	The state data center is responsible for managing the computing and networking infrastructure only. Agencies are responsible for the applications that run on that infrastructure.
Database Administration	Physical DBA Support	Logical DBA Support for agencies that “opt-in” for SDC support.	Logical DBA Support that will maintain this skill set in-Agency.	Physical DBA support is more closely aligned with system administration tasks. Logical DBA functions are more closely associated with application development and support than with data center operations however some agencies are unable to adequately maintain strong DBA expertise.
Mainframe CICS Support	Support and maintenance of the CICS environment including support of agency application development.		CICS application requirements	Requirement to support skills and provide consistent support of all CICS functions (including application developer support) across all agencies.
Mainframe Production Control	Scheduling, execution and monitoring of production jobs.		Establishing job requirements and quality control for job output	Distribution of production control functions of scheduling and production control function is problematic and does not support the Steering Committee scope principle of a single computing environment
Help Desk	The state data center will provide a central point of contact for the agency help desks in order to coordinate and facilitate problem resolution.		Help Desk	Agency help desk functions will triage end user requests and trouble calls, and as appropriate, route them to the state data center help desk. The state data center help desk is responsible for managing and coordinating problem resolution with data center staff and agency help desk functions. The data center help desk incoming requests and trouble calls are considered tier two support for the agency

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				help desk.
Security – Firewalls, Multi-Layer Protection	Firewall protection within consolidated computing and networking infrastructure.	Firewalls on agency side of remote routers.		Agencies may require additional protection beyond what is provided by the consolidated computing and networking infrastructure and as needed this service will be provided by the data center based on agency requirements.
Security – Administration	Administration of security within consolidated computing and networking infrastructure.		Administration of security agency security approval processes, agency applications, and agency directory services.	Agencies retain responsibility for security administration of services/devices retained internally. Agencies retain ownership of their data, and the State Data Center will implement security measures to meet agency and application specific requirements. The State Data Center manages the security infrastructure. Agencies control who has access to data through approval processes.
Security Services, i.e., Identity and Access Control	Identity and Access Control infrastructure.			Agencies are responsible for determining acceptable risk and implementing appropriate security measures.
Security – Utility Servers	Only the utility servers supporting the State Data Center.	Agency utility servers, e.g., local DNS, Bootp,/DHCP, anti-virus.		Utility servers are core to the operations and security of LANs which are part of the CNIC Scope.
E-Mail	Servers and operating system software.		Administration of E-mail services.	Agencies retain responsibility for e-mail services and associated account management. E-mail services are interdependent with directory services, which remain with the agencies, and the inherent technical issues must be resolved for successful hardware consolidation. However, the CNIC Steering Committee is considering adding email and directory services consolidation efforts to the CNIC program in a future follow on initiative.
Staff Functions	Staff functions within scope for consolidation.		All staff functions out of scope for consolidation.	Staff who are currently performing functions within scope for consolidation are in some cases also performing functions which are out of scope. These fractional FTE issues must be

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				resolved as soon as possible to determine impact on the business case and which specific staff may be impacted.
Physical Layer Network	All physical network infrastructure in the SDC	All physical network infrastructure in the distributed environment		The SDC will be responsible for all LAN/WAN services for the participating agencies. Responsibility for the physical network is included in this scope.
Development and Test Servers	All development and test servers			Development and test servers will be housed in the SDC. Management will be a shared responsibility between the SDC and the agencies

**Document Revision Log**

Version #	Date	Author	Revisions made	Approval
1.0	05/24/2004	CNIC Project	Document based on original Phase I scope	CNIC Governing Board
2.0	03/17/2005	Willard	Updated to align with Stage Zero and Phase II defined scope	CNIC Project Office
2.1	04/08/2005	Willard	Updated CICS, Production Control, and DBA definitions to align with Steering Committee discussions on 03/29/2005 and 04/08/2005	CNIC Steering Committee (DBA scope definitions for MS-SQL pending approval)

Approved Version 2.1

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