Security and Business Resumption

Action Items - Completed (from 2004-2005 Plan)

C1. Directory Services: Established an authentication standard

C2. Directory Services: Piloted single sign-on

C3. Network Security and Network Management: Configured all public IP addresses (164.119) behind the state's firewall complex

C4. Network Security and Network Management: Implemented an intrusion detection and prevention system on the state's Internet connection as part of a layered defense.

C5. Disaster Planning: Conducted an "executive overview" briefing to state agencies (using either the State Government Council or the Security Work Group as a forum) explaining the progress and current and future activities in the development of disaster recovery plans.

Action Items - Discontinued (from 2004-2005 Plan)

D1. Directory Services: Implement a content management structure for all agencies.

D2. Directory Services: Establish a two-factor authentication standard.

Action Items - Proposed for 2006

SECURITY

P1. Conduct annual independent security audits

Multiple federal programs require periodic computer security audits, including HIPAA, HAVA, and Bioterrorism grants from the Center for Disease Control. Computer security audits are a widely accepted best practice across the public and private sector.

Lead	State Security Officer
Participating Entities	State Government Council; Security Work Group

Timeframe	- Investigate opportunities for aggregating efforts of several state agencies that face federal requirements for security audits - Ongoing - Security audit completed by April 2006
Funding	Funding identified
Status	RFP is ready, release date to be determined

P2.   Centralized Directory Services

P2.1.   Pilot Federated Identity Proof of Concept
(Provide a Citizen Portal that would allow citizen to self-provision application themselves.)

Lead	Nebraska Directory Services
Participating Entities	State Government Council; DAS-IMServices
Timeframe	June 2006
Funding	Funding identified
Status	Design phase started

P3.   Implement incident reporting requirements

Lead	State Security Officer
Participating Entities	State Government Council; Security Work Group
Timeframe	- Develop incident reporting process - May 2006 - Communicate reporting requirements to agencies - May 2006
Funding	No funding required for this task.
Status	In progress

P4.   Network Security and Network Management

P4.1.   Investigate and recommend an enterprise solution to ensure that encrypted traffic adheres to State security requirements.

Lead	Division of Communications
Participating Entities	State Government Council
Timeframe	To be determined
Funding	No funding required for this task.

Status	

P4.2. Evaluate and recommend options for providing encryption to clients across the state's Wide Area Network

Lead	Division of Communications
Participating Entities	State Government Council
Timeframe	To be determined
Funding	No funding required for this task.
Status	

BUSINESS RESUMPTION

P5. Implement shared disaster recovery facilities

Mission critical systems have three common requirements. Recovery times must be measured in hours, not days or weeks. Recovery facilities should be physically separated so that they will not be affected by a single disaster. There must be staff available to assist with the recovery efforts. Achieving these requirements is very expensive. Sharing disaster recovery facilities and establishing a collaborative approach to disaster recovery is one strategy for managing costs. DAS IMServices and the University of Nebraska are jointly developing a fast recovery capability using mutual assistance of physically separated data centers

Lead	DAS IMServices and Univ. of Nebraska
Participating Entities	State Government Council
Timeframe	Ongoing
Funding	The cost and source of funding have not been determined.
Status	Initial hardware and communications capabilities in place. Additional implementation work ongoing.

P6. Promote disaster planning for information technology systems, in conjunction with agency business continuity plans

Lead	Steve Henderson / Dave Berkland
Participating Entities	State Government Council
Timeframe	Ongoing

Funding	No funding required
Status	- Director-level meetings, chaired by Lieutenant Governor Sheehy, to discuss restoration of services began in November 2005 - Business Continuity and Disaster Recovery work group developing: (a) elements of a common planning document and (b) approach for implementation of ICS (Incident Command System)

P7.   Encourage testing and updating of disaster plans

Lead	Steve Henderson / Dave Berkland
Participating Entities	State Government Council
Timeframe	Ongoing
Funding	No funding required
Status	Continuation