



ICT Infrastructure Standards

Confidentiality: Public
Prepared By:
Version:
Date: 11 July 2005

Approver's Name: Andrew Mills
Title: Chief Information Officer

Signature:

Date Approved:

Document Control

Document Location

Q:\General Share Drive\Web updates\post to new site\Technology\revised\GICT_P6.1_Technology_Information and Communication Technology(ICT)_Infrastructure Standards.doc

Electronic Records Management Information

File Folder Number: OCIO08/0xxx – Document Number: 08OCIOxxxxx

Author(s) Function / Role

Author(s)	Function / Role
Author	Role

Revision by Version Date

Revision by	Version	Date
Initial draft and consultation	0.1	

Distributed to Version Date

Confidentiality Classification Table

	Confidentiality	Description	Circulation Limit (on a "NEED TO KNOW" basis)
<input type="checkbox"/>	Highly Protected	Unauthorised release could reasonably be expected to cause serious harm to an organisation or individual, or give unfair advantage to any entity or violate somebody's right to privacy.	Secure and highly restricted access.
<input type="checkbox"/>	Protected	Unauthorised release could reasonably be expected to cause harm to an organisation or individual, or give unfair advantage to any entity or violate somebody's right to privacy.	Confidential and limited access within ICT Sourcing and to authorised SA Government employees only.
<input type="checkbox"/>	Commercial-in-Confidence	Unauthorised release might possibly cause harm to an organisation or individual, or give unfair advantage to any entity or violate somebody's right to privacy.	Restricted use internally within SA Government and to authorised industry partners only.
<input type="checkbox"/>	Unclassified	No special classification is assigned.	No special restrictions other than legislative or administrative requirements.
<input checked="" type="checkbox"/>	Public	No harm could be caused to an organisation or individual, and no unfair advantage could be given to any entity and no violation would occur to somebody's right to privacy.	Unrestricted access.

Need-to-know - A person must have a legitimate need to access the security classified resources to carry out their official duties. Other justifications, such as position of authority, or the desire to enter controlled areas or access information for the sake of convenience, are not valid.

Table of Contents

TABLE OF CONTENTS	3
1. POLICY CONTEXT	5
2. POLICY STATEMENT	5
3. RATIONALE & BACKGROUND	5
4. IMPLEMENTATION	6
4.1 Implementation Considerations	6
5. EXEMPTIONS	6
6. RESPONSIBILITIES	6
7. REFERENCES & LINKS	7

**GICT/P6.1
TECHNOLOGY – INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)
INFRASTRUCTURE STANDARDS**

Government Policy on Information& Communication Technology

**GICT/P6.1
Technology – Information and Communication Technology (ICT)
Infrastructure Standards**

Security Classification: C1 **Version:** V3.3.F **Status:** Approved

Audience:	Chief Executives, Chief Information Officers, Senior ICT Managers	Compliance:	Mandatory
Mandate/Authority:	Chief Technology Officer	Creator:	Government ICT Services
Authorisation Date:	4 July 1995	Primary Contact:	Strategy & Support, Government ICT Services, Department for Administrative & Information Services. Tel: 8226 3558
Last Updated:	11 July 2005		
Expiry Date:	December 2005		
Publication Date:	31 May 2004		

Coverage:

The South Australian public authorities required to adhere to this Policy are defined in GICT/P1.1 Government Policy on Information & Communication Technology – Governance – Compliant Authorities.

This policy or standard is intended for use by South Australian Government agencies only. Reliance upon this policy or standard by any other person is entirely at their own risk and the Crown in the right of South Australia disclaims all responsibility or liability to the extent permissible by law for any such reliance.

Managed and Maintained by
[Government Information and Communication Technology
Services/DAIS](#)

[Copyright](#) © Department for Administrative
and Information Services 1998, 2004

[Disclaimer](#)

This page was last modified on 11 July 2005

1. POLICY CONTEXT

The reliance on ICT for service delivery and operations, along with the desire to achieve 'seamless' operations within government, requires increasing levels of interconnection between the layers of ICT infrastructure and between government agencies. Key infrastructure considerations are:

- The need to contain costs in the provision of infrastructure services;
- The need to leverage maximum value from investments that are made;
- The consolidation of emerging requirements for ICT services to achieve economies and integration

The realisation of these considerations is dependent upon adoption of common ICT infrastructure standards throughout the SA Government, thereby avoiding the inefficiency and expense of unnecessary component diversity and incompatibility.

2. POLICY STATEMENT

1. Compliant authorities, and suppliers of Information and Communication Technology (ICT) infrastructure to the public sector, must comply with the implementation of ICT standards on platforms, networks, client devices and services software as specified in the *Government Standards on Information & Communications Technology* (see *References and Links*).
2. Where Government standards are not specified, compliance to open systems standards is required.

3. RATIONALE & BACKGROUND

1. ICT standards support the strategies emanating from ICT Directions, a key element of the SA Government's ICT strategic planning process (www.ictdirections.sa.gov.au). In particular, the goal of these standards is to:
 - consolidate, rationalise and standardise ICT infrastructure;
 - deploy selected standard applications across whole-of-government and sectors of government;
 - use whole-of-government purchasing to obtain best pricing for ICT goods and services.
2. Many standards result from contractual obligations identified in the Information Technology Services and State Economic Development agreement between the Premier of South Australia and EDS Australia P/L. This agreement entails a process of consolidation, rationalisation and standardisation aimed at increasing flexibility, decreasing costs, and enhancing planning and management of ICT infrastructure.

4. IMPLEMENTATION

4.1 Implementation Considerations

1. The scope of the Standards on ICT Infrastructure includes:
 - Platforms; processors and operating systems for mainframe / large scale, midrange, workgroup, workstation
 - Networks; network protocols, network interface cards, cabling and other hardware, modems, LAN topology and components
 - Client Devices; desktop processors, peripherals and operating systems
 - Services Software; database management, directory services, user interfaces, messaging systems, systems management
 - Others as they become established
2. Each ICT Infrastructure standard also contains implementation guidelines for that standard.

5. EXEMPTIONS

Advice regarding exemptions from these standards is provided in the Government Policy on Information and Communications Technology entitled 'Governance – Exemptions'.

6. RESPONSIBILITIES

Chief Executives are responsible for ensuring the compliance of their organisations with this policy

7. REFERENCES & LINKS

1. GICT/P1.1 Government Policy on Information & Communication Technology – Governance – Compliant Authorities
2. GICT/P1.2 Government Policy on Information & Communication Technology - Governance – Exemptions
3. GICT/S6.1.1 Government Standard on Information & Communication Technology – Technology – Platforms – Mainframe
4. GICT/S6.1.2 Government Standard on Information & Communication Technology – Technology – Platforms – Mid-Range
5. GICT/S6.1.3 Government Standard on Information & Communication Technology – Technology – Platforms – Local Area Network Servers
6. GICT/S6.1.4 Government Standard on Information & Communication Technology – Technology – Platforms – Workstations
7. GICT/S6.2.1 Government Standard on Information & Communication Technology – Technology – Client Devices – Personal Computers and Notebooks
8. GICT/S6.3.1 Government Standard on Information & Communication Technology – Technology – Networks – Protocol Suites
9. GICT/S6.3.2 Government Standard on Information & Communication Technology – Technology – Networks – Physical Media
10. GICT/S6.3.3 Government Standard on Information & Communication Technology – Technology – Networks - Datalink
11. GICT/S6.3.4 Government Standard on Information & Communication Technology – Technology – Networks – Interconnection Applications
12. GICT/S6.4.1 Government Standard on Information & Communication Technology – Technology – Services Software – Systems and Network Management
13. GICT/S6.4.2 Government Standard on Information & Communication Technology – Technology – Services Software – Security Services
14. GICT/S6.4.3 Government Standard on Information & Communication Technology – Technology – Services Software – Messaging Services
15. GICT/S6.5.1 Government Standard on Information & Communication Technology – Technology – Database Management Systems (DBMS) – General Purpose
16. GICT/S6.6.1 Government Standard on Information & Communication Technology – Technology – Naming Standards – User and Internet User Name
17. GICT/S6.7.1 Government Standard on Information & Communication Technology – Technology – Presentation Services – Graphical User Interface