

STATE SERVICES COMMISSION
Te Kōmihana O Ngā Tari Kāwanatanga



**New Zealand E-government
Interoperability Framework
(NZ e-GIF)**

Version 3.3

PART 3 – RESOURCES

February 2008

State Services Commission

Te Kōmihana O Ngā Tari Kāwanatanga

About this document

This document contains resources related to the e-GIF. The intended audience for this Resources section is all readers of the e-GIF.

It includes the following sections:

- [History of the e-GIF](#): Review of stages in the e-GIF's development, including a Change Log.
- [References and background information](#): Descriptions and links to further information related to the e-GIF.
- [URLs referred to in the e-GIF](#): Full URLs for all hyperlinks in the e-GIF.
- [Abbreviations](#): Definitions of abbreviations and acronyms used in the e-GIF.

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1 History of the e-GIF

1.1 The UK e-GIF

The original version of the NZ e-GIF was based on work done by the [Office of the UK e-Envoy](#) in producing the UK e-GIF, which was first published in 2000. The UK e-GIF was reviewed by working groups comprising agency and vendor representatives, during the latter part of 2001.

1.2 NZ e-GIF v1

Version 1 of the NZ e-GIF was published in May 2002, incorporating feedback from some 25 agencies. The following month, Cabinet agreed the NZ e-GIF would govern how public sector organisations achieved electronic interoperability of their information, technology and business.

1.3 Current NZ e-GIF

The current version of the e-GIF is available at <http://www.e-gif.govt.nz>. All major revisions to the e-GIF supersede earlier versions.

1.4 Change Log

1.4.1 Version 3.3 – 28 February 2008

This version has minor updates to the e-GIF. In particular, it has:

- added the following standards: WCS, GeoRSS, APCO-P25, SOAPv1.2
- updated link in section UMCLVV (for CVLs)
- updated Biometrics ISO/IEC 19794 reference
- updated government Portal references in section e-Government Services
- updated references in sections xNAL v2 and xNAL(nz)
- updated references in sections WS-I and WSS-I
- updated references in sections ESA and NZGMS
- updated references to ISO 17799, now renamed ISO 27001 and links changed.

1.4.2 Version 3.2 – 25 July 2007

This version has minor updates to the e-GIF. In particular, it has:

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- added reference to Public Records Act 2005
- updated references in sections: GML, WMS, WFS, XML data transformation
- moved the following standard to Deprecated: xCIL
- moved the following standard to Under Development: xCIQ
- added the following standard: ATOM 1.0
- moved listing of UBL NDR from section 2.7.5 Data Modelling to section 2.3.3 Schemas, and added UMCLVV.

1.4.3 Version 3.1 – 21 November 2006

This version has minor updates to the e-GIF. In particular, it has:

- added Government Shared Network section
- updated references within the following sections: Trusted Computing, Authentication, Uniform Resource Name (URN), Network Time Protocol (NTP), Universal Time Clock (UTC), Public Sector Intranet (PSI), Name and Address, E-learning
- updated references to the Web Guidelines, to reflect the latest version
- updated references to the E-government Strategy, to reflect the latest version
- updated Open Document references
- added Security Assertion Messaging standard (NZ SAMS)
- added Digitalisation standard.

1.4.4 Version 3.0 - 3 June 2005

This version is a substantial rewrite of the e-GIF to make it clearer and broader. In particular, it has:

- restructured the document, separating Standards, Policy, and Appendixes (Resources)
- added general information about e-government, interoperability, and the e-GIF
- clarified how to comply and included the requirement for data share agreements
- added agency and time limitations to exemption requirements
- revised the layer model to:
 - add Best Practice

- separate out Web Services
- change “Architecture” to “Data Integration”
- change “E-government Component Architecture” to “E-government Services” and put it in a separate section
- changed “categories” to “compliant status levels”, added new status classifications (**F, U, R, A, D**), diagram, and explanations
- added links to standards, procedures for submitting standards and applying for exemptions, the Roadmap for the e-GIF, and other resources on the Internet
- restructured list of standards and added comments
- added, moved, removed, or revised the following standards:
 - Network protocols (TCP/IP), UDP
 - File transfer protocols, WebDAV, SCP
 - Registry services (renamed, was “Registers”), DNS
 - Time, NTP, UTC (MSL)
 - Messaging transport, HTTP 1.1
 - Messaging formats, MIME
 - Primary character set, ASCII
 - Document type definition, DTD
 - Batch/bulk data, CSV
 - File compression, GZIP
 - File archiving, TAR
 - Namespace, URN, OIDS
 - Customer relationship, xCRL
 - E-learning, ADL, SCORM, and IMS
 - Business reporting, xBRL
 - Directory services, DSML
 - Statistical data and metadata, SDMX
 - Geospatial, NZGMS
 - XML 1.1

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- Web services, all components, all standards
- Instant messaging, XMPP
- Vice Over Internet Protocol, SIP, RTP, H.323, G.711, G.729
- Web site presentation, NZ Govt Web Guidelines Version 2.1
- Forms, xForms
- Additional customer information, xCIL, Data formats for identity records standard
- Security (re-sorted components by layer model) - Network, HTTPS, S-HTTP, TLS, IPsec, ESP
- Data integration, XML – Enc
- XML – Dsig or OASIS DSS
- Web services, SAML v2.0, Shared Logon assertion messaging standard
- Shared Workspace
- Government Intranet
- SecureMail
- Best Practice, all components, all standards, added section
- moved the following standards:
 - UDDI, moved to Web Services / Discovery
 - ebXML, moved to Web Services / Messaging
 - Structured data description, RDF, moved to Business services
 - Metadata (Discovery), NZGLS 2.0, NZGLS Thesauri, moved to Business services
 - Unicode, moved; Comment: an extension of ASCII
 - Graphics File, GIF89a, JPG, PNG, SVG, moved to Access and Presentation / Website presentation
 - Mail Attachment, MIME, moved to Network / Messaging formats
 - S/MIME, moved to Security / Business services
 - XSLT, moved to Best Practice / XML data transformation
 - UML, XMI, moved to Best Practice

- Business services, Metadata (Discovery), RDF, moved from Network / Structured data description
- Business services (continued), Presentation, GIF89a, JPG, PNG, SVG, PDF, moved to Access and Presentation / Website presentation
- Structured data description, RDF, moved to Metadata (Discovery) component
- UML, XMI, moved to Best Practice
- SOAP 1.2, moved to Web Services / Access
- General Text and Graphics, HTML v4.01, GIF89a, JPG, PNG, SVG, PDF, moved to Website presentation (comment)
- UDDI, moved to Web Services / Discovery
- WSDL 1.1, moved to Web Services / Description
- Processing (Structured data), SAX, DOM, renamed, was “Modelling (Structured Data)”, moved to Best Practice
- removed the following standard:
 - Autonomy
- revised the following standards:
 - Data integration, renamed, was “Architecture”
 - Structured web document language, HTML v4.01, renamed component, was “Hypertext”
 - Name and address, xNAL v2, specified version
 - Registry services, renamed, was “Registers”, ebXML RIM and RS v2.1 and v3.0, specified versions
 - E-government Services, renamed, was “E-government Component Architecture”
 - Content syndication and channel feeds, RSS, renamed component, was “News Syndication”
 - Authentication standards, Evidence of identity, Username / passwords, “Key type 2”, Authentication key strengths, Trust levels for online transactions, spelled as out separate standards
 - Business services, S/MIME v3, specified version.

1.4.5 Version 2.1 - 14 May 2004

- NZ xNAL schema added to Recommended to clarify the standard.

1.4.6 Version 2.0 - 1 December 2003

This was a substantial rewrite of the e-GIF to clarify its intent and make it more accessible. In particular it:

- introduced a new layer model and removed the old one
- removed the old divisions of Interconnection, Information Sharing and Exchange, Access, and Service Delivery and reclassified standards into Network, Architecture, Business Services, and Access and Presentation
- added a list of e-Government components
- replaced the terms Standards and Guidelines with Mandatory and Recommended to clarify intent
- reclassified all standards in the move to version 2; in addition, the status of the following standards was changed:
 - promoted PNG (portable network graphics) to an option in the Mandatory class (others were GIF and JPG) due to maturity of the standard.
 - corrected XSL to XSLT under data transformation services.
 - added version number on ZIP compression standard – now ZIP 2.3.
 - added xNAL as Mandatory standard for Name and Address data transfers.
 - made SAX a Mandatory standard (was a guideline, now called Recommended) for modelling structured data.
 - added New Zealand Government RSS as a future standard for news syndication.
 - added a placeholder for authentication standards with a note to seek EGU advice.
 - updated reference to New Zealand Government Web Guidelines to current version (v2.1).
 - added note about SecureMail as potential future government-to-citizen hardened email standard.
 - added lists of EGU components – available and under development.

1.4.7 Version 1.1 - 3 July 2003

Added ESA as a Recommended standard.

1.4.8 Version 1.0 - 13 June 2002

Initial release of e-GIF.

2 References and background information

2.1 *E-government Strategy*

The E-government Strategy is periodically reviewed and updated. The current version of the strategy can be found at <http://www.e.govt.nz/about-egovt/strategy>

2.2 *Policy Framework for Government-held Information*

All aspects of the [Policy Framework for Government-held Information](#) apply to data and information that is shared, exchanged, or otherwise used or managed under the specifications or coverage of the e-GIF. This requirement extends to the e-GIF itself.

2.3 *Privacy Act 1993*

The development and application of the e-GIF must comply with the [Privacy Act](#).

2.4 *Security in the Government Sector*

The development and application of the e-GIF must comply with the manual, [Security in the Government Sector](#).

2.5 *Information Systems and Data Management Policies and Standards*

While the e-GIF applies when agencies share information, technology and business processes, the Information Systems and Data Management Policies and Standards provide good-practice guidance for internal aspects of agency information and technology management:

<http://www.e.govt.nz/standards/data-management/data-management-policies>

<http://www.e.govt.nz/standards/data-management/data-management-standards>

<http://www.e.govt.nz/standards/data-management/is-policies-standards>

URLs referred to in the e-GIF

This document refers to a range of resources on the Internet, including:

- standards
- e-GIF documents
- other New Zealand Government documents
- other resources.

These links are listed in full in the following sections.

2.6 Standards

ASCII

<http://www.columbia.edu/kermit/ascii.html>

Authentication

<http://www.e.govt.nz/services/authentication>

BPEL4WS

<http://www-128.ibm.com/developerworks/library/specification/ws-bpel/>

CSV

http://www.answers.com/main/ntquery?method=4&dsid=1512&dekey=com+delimited&gwp=8&curtab=1512_1

CVLs

http://en.wikipedia.org/wiki/Controlled_vocabulary

DNS

<http://www.ietf.org/rfc/rfc1035.txt>

<http://www.cert.org/archive/pdf/dns.pdf> (DNS Security)

DocBook

http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=docbook

DOM

<http://www.w3.org/DOM/>

DRM

<http://www.e.govt.nz/policy/tc-and-drm/standards-guidelines-07>

DSML

<http://www.oasis-open.org/specs/index.php#dsmlv2>

DTD

<http://www.w3.org/TR/REC-html40/intro/sgmltut.html>

<http://www.w3schools.com/dtd/default.asp> (W3School's DTD Tutorial)

EbXML

<http://www.ebxml.org/>

ebXML MSG

http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ebxml-msg

ebXML RIM and RS V2.1 & v3.0

http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=regrep

ESA

<http://www.linz.govt.nz/core/topography/projectsandprogrammes/emergency services/index.html>

<http://www.linz.govt.nz/docs/topography/projects-and-programmes/emergencyservices/esa-v1-9-7/esa-dataset-specification-v1-9-7.pdf>

<http://www.linz.govt.nz/docs/topography/projects-and-programmes/emergencyservices/esa-v1-9-7/esa-change-controlversion-1-9-7.pdf>

ESP

<http://www.ietf.org/rfc/rfc2406.txt>

FIPS 140-1 140-2

<http://csrc.nist.gov/cryptval/140-1/1401val.htm>

<http://www.nist.gov/>

FTP

<http://www.ietf.org/rfc/rfc0959.txt>

<http://www.ietf.org/rfc/rfc2228.txt> (FTP security extensions)

<http://www.ietf.org/rfc/rfc1579.txt> (FTP via Port 80)

G.711

<http://en.wikipedia.org/wiki/G.711>

G.729

<http://en.wikipedia.org/wiki/G729>

GCSB NZSITs

<http://www.gcsb.govt.nz/publications/nzsit/index.html>

GeoRSS

<http://www.georss.org/gml>

GIF 89a

<http://www.w3.org/Graphics/GIF/spec-gif89a.txt>

GML

<http://www.opengis.org/techno/implementation.htm>

GZIP

<http://www.gzip.org/>

H.323 v2

<http://en.wikipedia.org/wiki/H323>

<http://computing-dictionary.thefreedictionary.com/codec> (Codec)

HL7

<http://www.hl7.org/>

HTML 4.01

<http://www.w3.org/TR/html401/>

HTTP 1.1

<http://www.ietf.org/rfc/rfc2616.txt>

HTTPS

<http://www.ietf.org/rfc/rfc2818.txt>

IPsec

<http://www.ietf.org/rfc/rfc2402.txt>

<http://www.ietf.org/rfc/rfc2404.txt> (IP Security Authentication Header)

IP v4

<http://www.ietf.org/rfc/rfc0791.txt>

IP v6

<http://www.ietf.org/rfc/rfc2460.txt>

JPG

<http://www.ietf.org/rfc/rfc2435.txt>

LDAP v3

<http://www.ietf.org/rfc/rfc1777.txt>

Metalogue

<http://www.e.govt.nz/standards/nzgls/management/>

MIME

<http://www.ietf.org/rfc/rfc2049.txt>

NTP 4.0

<http://www.ntp.org/>

NZGLS 2.0

<http://www.e.govt.nz/standards/nzxls/standard>

NZGLS Thesauri

<http://www.e.govt.nz/standards/nzxls/thesauri>

NZGMS

<http://www.linz.govt.nz/core/topography/projectsandprogrammes/geospatial/metadata/index.html>

<http://www.linz.govt.nz/resources/geospatial/xml/schema/nzgm-profile-pt1v1.2.pdf>

New Zealand Government Web Standards and Recommendations v1.0

<http://www.e.govt.nz/standards/web-guidelines/web-standards-v1.0> replaces
New Zealand Government Web Guidelines v2.1.

OASIS DSS

http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=dss

ODFOA 1.0

http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=office

OIDS

http://en.wikipedia.org/wiki/Object_identifier

OpenSAML

<http://www.opensaml.org/>

PDF

<http://www.adobe.com/products/acrobat/adobepdf.html>

PNG

<http://www.libpng.org/pub/png/>

Portal News Feed

<http://www.e.govt.nz/standards/e-gif/rss>

RDF

<http://www.w3.org/RDF/>

RSS

<http://web.resource.org/rss/1.0/>

RTP

<http://www.ietf.org/rfc/rfc3550.txt>

SAML

http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=security

SAX

<http://www.w3.org/DOM/>

http://en.wikipedia.org/wiki/Simple_API_for_XML

SCP

<http://www.w3.org/Protocols/HTTP-NG/http-ng-scp.html>

SDMX

<http://www.sdmx.org/>

SecureMail

<http://www.e.govt.nz/services/securemail>

SEEMail

<http://www.e.govt.nz/services/see>

SEE PKI

<http://www.e.govt.nz/services/see> (SEE)

Shared Workspace

<http://www.e.govt.nz/services/workspace>

S-HTTP

<http://en.wikipedia.org/wiki/S-HTTP>

SIGS

<http://www.security.govt.nz/sigs/sigs.pdf>

<http://www.iso17799software.com/> (ISO 17799)

SIP

<http://www.ietf.org/rfc/rfc3261.txt>

<http://computing-dictionary.thefreedictionary.com/codec> (Codec)

S/MIME v3.0

<http://www.ietf.org/rfc/rfc2633.txt>

SMTP

<http://www.ietf.org/rfc/rfc2821.txt>

http://www.cert.org/tech_tips/email_spoofing.html (spoofing)

SOAP 1.1

<http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

SOAP 1.2

<http://www.w3.org/TR/2001/WD-soap12-20010709/>

SSL v3

<http://wp.netscape.com/eng/ssl3/ssl-toc.html>

SVG

<http://www.w3.org/Graphics/SVG/Overview.htm8>

TAR

<http://www.gnu.org/software/tar/tar.html>

TCP

<http://www.ietf.org/rfc/rfc793.txt>

TLS

<http://www.ietf.org/rfc/rfc2246.txt>

Trusted Computing

<http://www.e.govt.nz/policy/tc-and-drm/principles-policies-06/index.html>

(Principles and Policies)

<http://www.e.govt.nz/policy/tc-and-drm/standards-guidelines-07>

(TC/DRM Standards and Guidelines)

UBL

http://www.oasis-open.org/committees/sc_home.php?wg_abbrev=ubl-ndrsc

UDDI

<http://www.uddi.org/specification.html>

<http://www.w3.org/TR/2001/NOTE-wsdl-20010315> (WSDL)

UDP

<http://www.faqs.org/rfcs/rfc768.html>

<http://www.networksorcery.com/enp/protocol/udp.htm>

UMCLVV

http://www.oasis-open.org/committees/document.php?document_id=23703

UML

<http://www.omg.org/technology/uml/index.htm>

Unicode

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<http://www.unicode.org/>

URN

<http://www.e.govt.nz/standards/e-gif/urn-namespace>
<http://www.ietf.org/rfc/rfc4350.txt>

UTC (MSL)

<http://www.irl.cri.nz/msl/services/time/>
<http://www.unicode.org/> (Unicode Transformation Format)

UTF – 8 bit encoded

<http://www.ietf.org/rfc/rfc2279.txt>

W3C schema definitions

<http://www.w3.org/TR/xmlschema-1/>

WCS

www.opengeospatial.org/standards/wcs

WebDAV

<http://www.ietf.org/rfc/rfc2518.txt>

WFS

<http://opengeospatial.org/standards/wfs>

Win SCP

<http://winscp.net/eng/index.php>

Wireless standard

<http://www.cnp-wireless.com/ArticleArchive/Wireless%20Telecom/2002Q3-SMSInterworking.htm> (Cellular Networking Perspectives LTD article on SMS interoperability)

WMS

<http://opengeospatial.org/standards/wms>

WordML

<http://www.xmlw.ie/aboutxml/wordml.htm>

WS-I Basic Profile 1.2

<http://www.ws-i.org/profiles/BasicProfile-1.2.html>

WSS-I Basic Profile 1.1

<http://www.ws-i.org/Profiles/BasicSecurityProfile-1.1.html>

WS – Security

http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=wss

WSDL 1.1

<http://www.w3.org/TR/2001/NOTE-wsdl-20010315>

WSE2

<http://www.microsoft.com/downloads/details.aspx?FamilyId=FC5F06C5-821F-41D3-A4FE-6C7B56423841&displaylang=en>

xACML V2.0

http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=xacml

xBRL

<http://www.xbrl.org/Home/>

xCIL

<http://www.oasis-open.org/committees/ciq/ciq.html#7>

Xcrl

<http://www.oasis-open.org/committees/ciq/ciq.html#8>

xForms

<http://www.w3.org/TR/2003/REC-xforms-20031014/>

XMI

<http://www.omg.org/technology/documents/formal/xmi.htm>

XML 1.0

<http://www.w3.org/TR/REC-xml>

XML 1.1

<http://www.w3.org/TR/2002/WD-xml11-20020425/>

XML-Dsig

<http://www.w3.org/TR/2002/REC-xmlsig-core-20020212>

XML encryption

<http://www.w3.org/TR/xmlenc-core/>

XMPP

<http://www.ietf.org/rfc/rfc3920.txt>

xNAL (nz) schema

<http://www.e.govt.nz/standards/e-gif/xnal>

xNALv2

<http://www.oasis-open.org/committees/ciq/ciq.html#4>

XSL

<http://www.w3.org/Style/XSL/>

XSLT

<http://www.w3.org/TR/xslt>

ZIP 2.3

<http://www.info-zip.org/>

2.7 e-GIF documents

December 2001 New Zealand E-government Strategy

<http://www.e.govt.nz/about-egovt/programme/e-gov-strategy-dec-01/>

June 2003 E-government Strategy Update

<http://www.e.govt.nz/about-egovt/strategy/strategy-june-2003/>

November 2006 New Zealand E-government Strategy

<http://www.e.govt.nz/about-egovt/strategy/nov-2006/>

Current version of the e-GIF

<http://www.e-gif.govt.nz>

Frequently Asked Questions and Answers about the e-GIF

<http://www.e.govt.nz/standards/e-gif/faqs>

2.8 Other New Zealand Government documents

New Zealand Government Data Management Standards

<http://www.e.govt.nz/standards/data-management/data-management-standards>

New Zealand Government Data Management Policies

<http://www.e.govt.nz/standards/data-management/data-management-policies>

New Zealand Government Information Systems Policies and Standards

<http://www.e.govt.nz/standards/data-management/is-policies-standards>

New Zealand Government Web Standards and Recommendations v1.0

<http://www.e.govt.nz/standards/web-guidelines/web-standards-v1.0> replaces
New Zealand Government Web Guidelines v2.1 as of January 2007.

Guidelines for Managing and Monitoring Major IT Projects

<http://www.ssc.govt.nz/ITguidelines>

Policy Framework for Government-held Information

http://www.ssc.govt.nz/documents/policy_framework_for_Government_.htm

Public Records Act

<http://www.knowledge-basket.co.nz/gpacts/public/text/2005/an/040.html>

Privacy Act

<http://www.privacy.org.nz/privacy-act/>

Security in the Government Sector

<http://www.security.govt.nz/sigs/>

Trusted Computing Principles and Policies

<http://www.e.govt.nz/policy/tc-and-drm/principles-policies-06/index.html>

Trusted Computing/Digital Rights Management Standards and Guidelines

<http://www.e.govt.nz/policy/tc-and-drm/standards-guidelines-07>

SSC 2004 Report on Trust and Security

<http://www.e.govt.nz/policy/trust-security/trust-security-2004/index.html>

2.9 Other resources

Office of the UK e-Envoy

<http://www.e-envoy.gov.uk/>

UK Technical Standards Catalogue Version 6.2

http://www.govtalk.gov.uk/documents/TSCv6.2_2005_4_29.pdf

Organisation for the Advancement of Structured Information Standards (OASIS)

<http://www.oasis-open.org/>

International Organisation for Standardisation (ISO)

<http://www.iso.org/>

World Wide Web Consortium (W3C)

<http://www.w3c.org/>

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Wikipedia (Definitions for protocols)

http://en.wikipedia.org/wiki/Protocol_%28computing%29

http://en.wikipedia.org/wiki/Communications_protocol

RFC 2119 (Key words for use in RFCs to indicate requirement levels)

<http://www.faqs.org/rfcs/rfc2119.html>

3 Abbreviations

The following abbreviations and acronyms are used in the e-GIF v3.3.

ADL Advanced Distributed Learning

APCO Association of Public-Safety Communications Officials

APCO-P25 APCO Project 25

ASCII American Standard Code for Information Interchange

B2B Business-to-business

BPEL4WS Business Process Execution Language for Web Services

CSV Comma Separated Values

CFL Controlled Vocabulary or Code Lists

DOM Document Object Model

DNS Domain Name Server

DRM Digital Rights Management

DSML Directory Services Markup Language

DSS Digital Signature Services

DTD Document Type Definition

EbXML (RIM, RS, MSG) E-business XML (Registry Information Model, Registry Services, Messaging Services)

EDI Electronic data interchange

ESA Emergency Services Administration Core Data Specification

ESP IP Encapsulation Security Protocol

FTP File Transfer Protocol

GCSB Government Communications Security Bureau

GeoRSS Geographically Encoded Objects for RSS Feeds

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GIF Graphical Interchange Format

GML Geography Markup Language

HL7 Health Level 7

HTML HyperText Markup Language

HTTP HyperText Transfer Protocol

HTTPS HyperText Transfer Protocol running over SSL

ICT Branch Information and Communication Technologies Branch of the State Services Commission

IMS Instructional Management System

IPsec IP Security Authentication Header

ITU-T International Telecommunication Union – Telecommunication Standardization Sector

LDAP Lightweight Directory Access Protocol

MIME Multi-purpose Internet Mail Extensions

NAT Network Address Translation

NTP Network Time Protocol

NZGLS New Zealand Government Locator Service

NZGMS New Zealand Geospatial Metadata Standard

NZSIT New Zealand Security of Information Technology

OASIS Organisation for the Advancement of Structured Information Standards

ODFOA Open Document Format for Office Applications (Open Document)

OIDS Schema Object Identifiers

PKI Public Key Infrastructure

PNG Portable Network Graphic

RDF Resource Description Framework

RSS Rich Site Summary

RTP Real-time Transport Protocol

SAML Security Assertion Markup Language

SAX Simple API for XML

SCORM Shareable Content Object Reference Model

SCP Session Control Protocol

SDMX Statistical Data and Metadata Exchange

S.E.E.TM PKI Secure Electronic Environment Public Key Infrastructure

S-HTTP Secure HTTP

SIGS Security in the Government Sector

SIP Session Initiation Protocol

S/MIME Secure Multi-purpose Internet Mail Extensions

SMTP Simple Mail Transfer Protocol

SOAP Simple Object Access Protocol

SSH Secure Shell

SSL Secure Sockets Layer

SVG Scalar Vector Graphics

TCP/IP Transmission Control Protocol / Internet Protocol

TLS Transport Layer Security

TNEF Transport Neutral Encapsulation Formats

UBL Universal Business Language

UDDI Universal Description, Discovery and Integration

UDP User Datagram Protocol

UMCLVV UBL Methodology for Code List and Value Validation

e-GIF Version 3.3
PART 3 - RESOURCES

UML Unified Modelling Language

URN Uniform Resource Name

UTC (MSL) Universal Time Clock (Measurement Standards Laboratory)

UTF Unicode Transformation Format

VPN Virtual Private Network

W3C World Wide Web Consortium

WCS Web Coverage Service

WebDAV World Wide Web Distributed Authoring and Versioning

WFS Web Feature Service

WMS Web Map Service

WSDL Web Services Definition Language

WS-I Web Services-Interoperability Organisation

WSS-I Web Services Security -Interoperability Organisation

xACML Extensible Access Control Markup Language

xBRL Extensible Business Reporting Language

xCIL Extensible Customer Information Language

xCRL Extensible Customer Relationships Language

XHTML Extensible HyperText Markup Language

XMI XML Metadata Interchange

XML Extensible Markup Language

XML-DSig XML Digital Signatures

XMPP Extensible Messaging and Presence Protocol

xNAL Extensible Name and Address Language

XSL Extensible Stylesheet Language

XSLT Extensible Stylesheet Language Transformations