

# Commonwealth Telecommunications Organisation

## Country Page – New Zealand

### ICT Sector Information

<b>Sector</b>	Technology & communication Sector
<b>Minister</b>	Hon Steven Joyce
<b>Principal Institutions</b>	<a href="#">Ministry of Business, Innovation &amp; Employment</a>
<b>Regulator</b>	<a href="#">Commerce Commission</a>

### Mobile Operators

Operator	Technology
Vodafone	900/ 1800 MHz GSM, GPRS 900/ 2100 MHz UMTS, HSPA, HSPA+, DC-HSPA+
Telecom New Zealand	850/ 2100 MHz UMTS, HSPA
2degrees	900/ 1800 MHz GSM, GPRS, EDGE 900/ 2100 MHz UMTS, HSPA
Black+White (using Vodafone)	GSM, GPRS UMTS, HSPA
Orcon (using Vodafone)	GSM, GPRS UMTS, HSPA
Slingshot (using Telecom XT)	UMTS, HSPA
TelstraClear (using Vodafone)	GSM, GPRS UMTS, HSPA
Skinny (using Telecom XT)	UMTS, HSPA

## CTO Niche Areas

### Broadband

<b>National Policy Documents</b>	<a href="#">Digital Strategy 2.0</a> <a href="#">Government Action Plan for Faster Broadband</a>
<b>Agency</b>	<a href="#">Crown Fibre Holdings</a> <a href="#">Commerce Commission</a>
<b>Projects</b>	the Rural Broadband Initiative (RBI); the Ultra-fast Broadband (UFB) Initiative:
<b>Publications</b>	<a href="#">Toward Universal Broadband Access In New Zealand</a> <a href="#">Competition and Regulation Policy in Antipodean Government-Funded UltraFast Fibre Broadband Markets</a>

### Broadband Indicators<sup>1</sup>

Indicators	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Mobile broadband subscriptions per 100 inhabitants</b>	0.00	0.00	0.00	0.00	0.24	3.11	12.84	27.92	45.24	64.24			
<b>Fixed Broadband Subscriptions per 100 inhabitants</b>	0.12	0.44	1.10	2.06	4.70	7.76	11.24	20.15	21.39	22.68	24.04	25.82	27.79

### Cybersecurity & Cybercrime

<b>Policy</b>	<a href="#">New Zealand's Cyber Security Strategy</a>
<b>Agency</b>	<a href="#">Ministry of Business, Innovation &amp; Employment</a> <a href="#">National Cyber Policy Office</a>

<sup>1</sup> ITU statistics

	<a href="#">National Cyber Security Centre</a>
<b>Related Publications</b>	<a href="#">Speech Notes for New Zealand Information Security Forum: Cybersecurity: Why It Matters for New Zealand</a>
<b>Other Resources</b>	<p><a href="#">NetSafe</a></p> <p>NetSafe is an independent, non-profit organisation that runs education and awareness campaigns to promote confident, safe, and responsible use of cyberspace.</p> <p><a href="#">The orb</a></p> <p>Report unlawful or objectionable online incidents on this website.</p> <p><a href="#">New Zealand Police</a></p> <p>The Police investigate electronic crime and computer-related offending. You can also find safety tips on the its website.</p> <p><a href="#">Anti-spam</a></p> <p>The Department of Internal Affairs enforces the Unsolicited Electronic Messages Act 2007, which deals with spam.</p> <p><a href="#">Scamwatch</a></p> <p>The Ministry of Consumer Affairs has information about electronic scams, how to protect yourself, and where to report a scam.</p> <p><a href="#">Centre for Critical Infrastructure Protection</a></p> <p>This government agency works to improve the protection and security of critical organisations, industry and government from cyber threats.</p> <p><a href="#">Cybersecurity Forum</a></p>

### **E-Education Skill Development and Entrepreneurship**

<b>Policy Documents</b>	<p><a href="#">Ka Hikitia - Managing for Success: The Māori Education Strategy 2008-2012</a></p> <p>The E-learning Action Plan</p>
<b>Agency</b>	<a href="#">Ministry of Education</a>
<b>Indicators - Internet access in schools, Out of a 1–7 (best) scale</b>	5.7

<b>Projects</b>	<a href="#">Schools' network infrastructure upgrade Stage 2</a> <a href="#">Computers in homes</a> <a href="#">TELA Laptops for Teachers</a> <a href="#">ICT in Schools</a>
<b>Publications</b>	<a href="#">Review of Schools' Operational Funding: ICT Resourcing Framework - Final Report</a>

### **ICT For Disabilities**

<b>Policy Documents</b>	<a href="#">The New Zealand Disability Strategy</a> The New Zealand Government Web Standards are fully based on the WCAG
<b>Agency</b>	Ministerial Committee on Disability
<b>Projects</b>	Telecommunications Relay Service The emergency 111 Deaf TXT service
<b>Publications</b>	<a href="#">Web Accessibility Policy Making: An International Perspective – New Zealand Whitepaper</a>

### **Regulatory Environments including convergence and digital broadcasting switchover**

<b>Policy Documents</b>	<a href="#">Telecommunications Act 2001</a> and its associated regulations. <a href="#">Radiocommunications Act 1989</a> and its associated regulations. <a href="#">Postal Services Act 1998</a> and its associated regulations. <a href="#">Electronic Transactions Act 2002</a> <a href="#">Unsolicited Electronic Messages Act 2007</a> <a href="#">Telecommunications (Interception Capability) Act 2004</a>
<b>Agency</b>	<a href="#">Ministry of Business, Innovation &amp; Employment</a> <a href="#">Commerce Commission</a>
<b>Projects</b>	Trans-Tasman roaming Investigation

<b>Publications</b>	<a href="#">Competition and Regulation Policy in Antipodean Government-Funded UltraFast Fibre Broadband Markets</a> <a href="#">A Pendulous Progression: New Zealand's Telecommunications Regulation 1987-2007</a> <a href="#">From Competition to Regulation: New Zealand telecommunications sector performance 1987-2007</a>
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### **Youth and ICTs**

<b>Policy Documents</b>	<a href="#">Ka Hikitia - Managing for Success: The Māori Education Strategy 2008-2012</a> The E-learning Action Plan
<b>Agency</b>	<a href="#">Ministry of Education</a>
<b>Projects</b>	<a href="#">Schools' network infrastructure upgrade Stage 2</a> <a href="#">Computers in homes</a> <a href="#">TELA Laptops for Teachers</a> <a href="#">ICT in Schools</a>
<b>Publications</b>	<a href="#">Review of Schools' Operational Funding: ICT Resourcing Framework - Final Report</a>

### **ICT Sector Indicators**

#### **Indicators on ICT infrastructure and access - <sup>2</sup>**

<b>Indicators</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Fixed telephone subscriptions</b>	1,831,000	1,823,000	1,765,000	1,798,000	1,800,500	1,729,000	1,761,645	1,746,874	1,750,000	1,870,000	1,880,000	1,880,000	1,880,000
<b>Fixed telephone subscriptions per 100 inhabitants</b>	47.46	46.66	44.55	44.72	44.14	41.82	42.10	41.27	40.91	43.26	43.04	42.59	42.14

<sup>2</sup> ITU statistics

<b>Mobile cellular telephone subscriptions</b>	1,542,000	2,288,000	2,449,000	2,599,000	3,027,000	3,530,000	3,802,290	4,251,207	4,620,000	4,700,000	4,710,000	4,820,000	4,922,000
<b>Mobile cellular telephone subscriptions per 100 inhabitants</b>	39.97	58.56	61.81	64.64	74.21	85.39	90.86	100.44	108.00	108.73	107.83	109.19	110.33
<b>Estimated Internet Users per 100 inhabitants</b>	47.38	53.24	59.08	60.96	61.85	62.72	69.00	69.76	72.03	79.70	83.00	86.00	89.51

### World Economic Forum ICT Readiness Indicators<sup>3</sup>

<b>Laws relating to ICT, out of a 1–7 (best) scale</b>	5.6
<b>Mobile Network Coverage, % pop. covered</b>	97.0
<b>Broadband Internet subscriptions/100 pop</b>	25.8
<b>Mobile broadband subscriptions/100 pop</b>	53.1
<b>Households with personal computers, %</b>	83.9
<b>Use of virtual social networks, out of a 1–7 (best) scale</b>	6.2
<b>Impact of ICT on new services and products, out of a 1–7 (best) scale</b>	5.2

<sup>3</sup> These indicators are derived from the World Economic Forum's Executive Opinion Survey. [http://www3.weforum.org/docs/WEF\\_GITR\\_Report\\_2013.pdf](http://www3.weforum.org/docs/WEF_GITR_Report_2013.pdf)

<b>Impact of ICT on new organisational models, out of a 1–7 (best) scale</b>	4.9
<b>Gov't Success in ICT Promotion, out of a 1–7 (best) scale,</b>	5.1
<b>Importance of ICT to gov't vision, out of a 1–7 (best) scale</b>	5.1
<b>ICT use &amp; gov't efficiency, out of a 1–7 (best) scale</b>	5.1
<b>Gov't Online Service Index, out of a 0-1 (best) scale</b>	0.78
<b>E-Participation Index, out of a 0-1 (best) scale</b>	0.58

#### **ICT Publications from Other International Organisations**

<b>Source Organisation</b>	<b>Title of Publication</b>
<b>ISCR</b>	<a href="#"><u>Competition and Regulation Policy in Antipodean Government-Funded UltraFast Fibre Broadband Markets</u></a>
<b>World Economic Forum</b>	<a href="#"><u>The Global Information Technology Report 2013</u></a>