

# Commonwealth Telecommunications Organisation

## Country Page - Singapore

### ICT Sector Information

<b>Sector</b>	Information, Communications and the Arts
<b>Minister</b>	Yaacob Ibrahim, Minister Grace Fu, Senior Minister of State Chan Chun Sing, Minister of State
<b>Principal Institutions</b>	Ministry of Information, Communications and the Arts
<b>Regulator</b>	<a href="#">Infocomm Development Authority of Singapore</a>
<b>Other Deprtments/Agencies in the Portfolio</b>	Infocomm Development Authority of Singapore Media Development Authority National Arts Council National Heritage Board National Library Board

### Mobile Operators

<b>Operator</b>	<b>Technology</b>
SingTel Mobile	900/1800 MHz GSM, GPRS 2100 MHz UMTS, HSPA 1800 MHz LTE
StarHub	900/1800 MHz GSM, GPRS 2100 MHz UMTS, HSPA, HSPA+, DC-HSPA+ 1800 LTE
M1	900/1800 MHz GSM GPRS 2100 MHz UMTS HSPA 1800/2600 MHz LTE
Qmax	Wimax

## **CTO Niche Areas**

### **Broadband**

<b>National Policy Documents</b>	<a href="#">Intelligent Nation 2015 (iN2015) masterplan</a> Telecommunications Act (Cap. 323) Electronic Transactions Act (Cap. 88)
<b>Agency</b>	<a href="#">Infocomm Development Authority of Singapore</a>
<b>Projects</b>	<a href="#">Next Generation Nationwide Broadband Network</a>
<b>Publications</b>	<a href="#">Next Generation National Broadband Network for Singapore (Next Gen NBN) Presentation</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	0.00	7.44	24.78	42.84	56.40	72.16			
<b>Fixed Broadband Subscriptions per 100 inhabitants</b>	1.76	3.79	6.70	10.21	13.11	15.38	17.87	19.55	21.45	23.67	24.94	25.64	26.08

### **Cybersecurity & Cybercrime**

<b>Policy</b>	<a href="#">Intelligent Nation 2015 (iN2015) masterplan</a> <a href="#">Infocomm Security Masterplan 2 (MP2)</a> <a href="#">Infocomm Security Masterplan (ISMP)</a> <a href="#">National Trust Framework (NTF),</a>
<b>Agency</b>	Singapore Computer Emergency Response Team (SingCERT)

<sup>1</sup> ITU statistics

	<a href="#">Infocomm Development Authority of Singapore</a>
<b>Projects</b>	National Cyberthreat Monitoring Centre (NCCMC) National Authentication Framework (NAF) Business Continuity Readiness Assessment Framework Critical Infocomm Infrastructure Surety Assessment (CII-SA)
<b>Related Publications</b>	<a href="#">Singapore's Strategy in Securing the Cyberspace Presentation</a>
<b>Other Resources</b>	<a href="#">Cybersecurity Forum</a>

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

<b>Policy Documents</b>	Third Masterplan for ICT in Education
<b>Agency</b>	Ministry of Education
<b>Indicators - Internet access in schools, Out of a 1–7 (best) scale</b>	6.3
<b>Projects</b>	Baseline ICT Standards Student Ambassador Program Cyber Wellness Research/ Online Evaluation Instrument ICT – PD Framework Recognition Programmes for Teachers ICT Mentors FutureSchools@Singapore
<b>Publications</b>	<a href="#">The Use of ICT in Singapore Schools</a>

### **ICT For Disabilities**

<b>Policy Documents</b>	<a href="#">Intelligent Nation 2015 (iN2015) masterplan</a>
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	<a href="#">Enabling Masterplan 2012-2016: Maximising Potential, Embracing Differences</a>
<b>Agency</b>	<a href="#">Infocomm Development Authority of Singapore</a>
<b>Projects</b>	Infocomm Accessibility Centre Pan-Disability Programme
<b>Publications</b>	<a href="#">ICT Training for People with Disabilities : A People-Private-Public Approach (presentation)</a>

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

<b>Policy Documents</b>	Telecommunications Act (Cap. 323) Electronic Transactions Act (Cap. 88)
<b>Agency</b>	<a href="#">Infocomm Development Authority of Singapore</a> <a href="#">Ministry of Community Development, Youth and Sports</a>

### **Youth and ICTs**

<b>Policy Documents</b>	<a href="#">Intelligent Nation 2015 (iN2015) masterplan</a> <a href="#">Enabling Masterplan 2012-2016: Maximising Potential, Embracing Differences</a>
<b>Agency</b>	<a href="#">Ministry of Community Development, Youth and Sports</a>
<b>Projects</b>	Student Ambassador Program Cyber Wellness Research/ Online Evaluation Instrument ICT – PD Framework Recognition Programmes for Teachers ICT Mentors FutureSchools@Singapore

## ICT Sector Indicators

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

Indicators	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Fixed telephone subscriptions</b>	1,946,000	1,947,500	1,927,200	1,889,500	1,857,000	1,844,400	1,853,500	1,861,800	1,876,000	1,930,900	1,996,100	2,018,100	1,989,500
<b>Fixed telephone subscriptions per 100 inhabitants</b>	49.65	48.92	47.80	46.24	44.64	43.23	42.03	40.61	39.31	39.04	39.24	38.90	37.85
<b>Mobile cellular telephone subscriptions</b>	2747400	2991600	3313000	3577000	3990700	4384600	4788600	5924100	6414800	6884800	7384600	7794300	8063000
<b>Mobile cellular telephone subscriptions per 100 inhabitants</b>	70.10	75.15	82.16	87.54	95.93	102.78	108.59	129.21	134.42	139.21	145.18	150.24	153.40
<b>Estimated Internet Users per 100 inhabitants</b>	36.00	41.67	47.00	53.84	62.00	61.00	59.00	69.90	69.00	69.00	71.00	71.00	74.18

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

<b>Laws relating to ICT, out of a 1–7 (best) scale</b>	<b>5.8</b>
<b>Mobile Network Coverage, % pop. covered</b>	<b>99.9</b>
<b>Households with personal computers,</b>	<b>86.1</b>

<sup>2</sup> ITU statistics

<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>%</b>	
<b>Broadband Internet subscriptions/100 pop</b>	<b>25.6</b>
<b>Mobile broadband subscriptions/100 pop</b>	<b>114.1</b>
<b>Use of virtual social networks, out of a 1–7 (best) scale</b>	<b>6.2</b>
<b>Impact of ICT on new services and products, out of a 1–7 (best) scale</b>	<b>5.6</b>
<b>Impact of ICT on new organisational models, out of a 1–7 (best) scale</b>	<b>5.4</b>
<b>Gov't success in ICT promotion, out of a 1–7 (best) scale</b>	<b>6.0</b>
<b>Importance of ICT to gov't vision, out of a 1–7 (best) scale</b>	<b>5.9</b>
<b>ICT use &amp; gov't efficiency, out of a 1–7 (best) scale</b>	<b>6.1</b>
<b>Gov't Online Service Index, out of a 0-1 (best) scale</b>	<b>1.00</b>
<b>E-Participation Index, out of a 0-1 (best) scale</b>	<b>0.95</b>

### Related ICT Publications

<b>Source Organisation</b>	<b>Title of Publication</b>
<b>World Economic Forum</b>	<a href="#">The Global Information Technology Report 2013</a>