

# Commonwealth Telecommunications Organisation

## Country Page – Kenya

### ICT Sector Information

<b>Sector</b>	Information and Communications
<b>Cabinet Secretary of Information and Communications</b>	Mr Fred Matiang'i
<b>Principal Institutions</b>	<a href="#">Ministry of Information and Communications</a>
<b>Regulator</b>	<a href="#">The Communications Commission of Kenya (CCK)</a>
<b>Other Deprtments/Agencies in the Portfolio</b>	<a href="#">Kenya ICT Board</a> The National Communications Secretariat – Policy advisory arm

### Mobile Operators

<b>Operator</b>	<b>Technology</b>
Safaricom	GSM, UMTS, HSDPA, WiMAX
Airtel	GSM
Orange	GSM
Yu – Essar Telecom Kenya	GSM

### CTO Niche Areas

#### Broadband

<b>National Policy Documents</b>	Vision 2030; 2006 National ICT Policy 2006 ICT Strategy: Collaboration and Outsourcing for Economic Growth 1998 Kenya Communications Act, as amended in 2009 to become the Kenya Information and Communications Act Recent 2010 regulations issued by CCK such as Universal Service and Access Regulations, Frequency Spectrum regulations.
<b>Agency</b>	<a href="#">The Communications Commission of Kenya (CCK)</a> <a href="#">Kenya ICT Board</a>

	National Communications Secretariat
<b>Projects</b>	National Optical Fibre Backbone Infrastructure (NOFBI) the East African Marine System (TEAMS) The Kenya Transparency Communication Infrastructure Programme (KTCIP) which includes Digital Villages and Bandwidth subsidies as sub-projects.
<b>Publications</b>	Infodev - Broadband in Kenya Case study

### **Broadband Indicators<sup>1</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>Mobile broadband subscriptions per 100 inhabitants</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.01	4.98			
<b>Fixed Broadband Subscriptions per 100 inhabitants</b>		0.00	0.00	0.00		0.02	0.05	0.05	0.01	0.02	0.01	0.10	0.10

### **Cybersecurity & Cybercrime**

<b>Policy</b>	Kenya Information and Communications Act CAP411A; Kenya Data Protection; Freedom of Information bills
<b>Agency</b>	<a href="#">Kenya Computer Incident Response Team Coordination Centre (KE-CIRT/CC) – CCK</a>
<b>Projects</b>	Development of a Cyber security Master Plan for Kenya
<b>Other Resources</b>	<a href="#">Cybersecurity Forum</a>

<sup>1</sup> ITU statistics

### E-Education Skill Development and Entrepreneurship

<b>Policy Documents</b>	<p>the 2006 National ICT Policy which promotes e-learning</p> <p>2006 National ICT Strategy for Education and Training</p>
<b>Agency</b>	<p style="text-align: center;"><a href="#">The Communications Commission of Kenya (CCK)</a></p> <p>The Ministry of Education (chaired by the Permanent Secretary and supported by the ICT unit)</p> <p style="text-align: center;"><a href="#">Kenya Institute of Education</a></p>
<b>Indicators - Internet access in schools, Out of a 1–7 (best) scale</b>	3.8
<b>Projects</b>	<p style="text-align: center;">School-Based ICT Centres</p> <p>Digitization of the Kenya Certificate of Secondary Education Curriculum</p>

### ICT For Disabilities

<b>Policy Documents</b>	<p style="text-align: center;"><b>Kenya National Youth Policy</b></p> <p><b><u>Kenya Constitution - Article 7 (3) (b)</u></b> providing that: The State shall - ...promote the development and use of ...other communication formats and technologies accessible to <i>persons with disabilities</i></p> <p>Implementation of rights and fundamental freedoms <b>under Article 21 (3) in the Bill of Rights</b>. All State organs and all public officers have the duty to address the needs of vulnerable groups within society, including ...persons with disabilities....</p> <p style="text-align: center;"><b>Constitution Articles</b></p> <p><b><u>Article 27 (4)</u></b> on equality and freedom from discrimination which provides that: The State shall not discriminate directly or indirectly against any person on any ground, including ...<i>disability</i>...</p> <p><b><u>Article 54 (1)</u></b> stating that: A person with <i>any disability</i> is entitled—  (c) to reasonable access to all places, public transport and information; (d) to use Sign language, Braille or other appropriate means of communication; and (e) to access materials and devices to overcome constraints arising from the person’s disability.</p>
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	<p><b>Article 260</b> <i>defining disability</i> thus: “disability” includes any physical, sensory, mental, psychological or other impairment, condition or illness that has, or is perceived by significant sectors of the community to have, a substantial or long term effect on an individual’s ability to carry out ordinary day-to-day activities</p>
<b>Agency</b>	<p>National Council for Persons with Disabilities The Ministry of Gender, Children and Social Development Ministry of Education; CCK</p>
<b>Projects</b>	<p>CCK launched Ksh. 32m ICT project for people with disabilities, 200 Equip eight institutions for special needs persons with ICT facilities (computers with assistive software and assistive devices for the visually impaired and the deaf.</p> <p>St. Lucy Secondary school (Meru), Kibos Secondary School for the Blind (Kisumu), Thika High School for the Blind (Thika) Kuja Secondary School for the Deaf (Rongo) Rev. Muhoro Secondary School (Nyeri), Mombasa Secondary School for the Physically Handicapped (Mombasa) Joyland Secondary School for the Deaf (Kisumu) Machakos Technical Training Institute.</p> <p><a href="#">Persons with Disability Web portal</a></p>
<b>Publications</b>	<p>Inclusion of People with Disabilities in Kenya - ILO Brief Paper Towards Innovation for Disability Friendly ICT Sector in Kenya-A presentation made during national conference on disability and accessibility rights towards implementing the persons with disabilities act 2003 25-27 june 2012</p>
<b>Other Resources</b>	<p><a href="#">Persons with Disability Web portal</a></p>

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

<b>Policy Documents</b>	Kenya Communications Act (KCA) No. 2 of 1998 Kenya Communications (Amendment) Act 2009
<b>Agency</b>	CCK
<b>Projects</b>	School-based ICT Centres Community ICT Access Points ICTs for People with Disabilities Digitisation of Secondary School Curriculum Computerisation of Health Centres
<b>Publications</b>	<a href="#">Kenya ICT Sector Performance Review 2009/2010 – Research ICT Africa</a>

### **Youth and ICTs**

<b>Policy Documents</b>	The National Information & Communications Technology (ICT) Policy of Kenya Kenya National Youth Policy
<b>Agency</b>	Ministry of Youth Affairs and Sports The National Youth Council (Nyc)
<b>Projects</b>	School-based ICT Centres

## 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>	291,706	309,379	321,482	328,358	299,255	286,729	293,364	463,766	646,356	664,099	380,748	283,546	251,567
<b>Fixed telephone subscriptions per 100 inhabitants</b>	0.93	0.96	0.98	0.97	0.86	0.81	0.80	1.24	1.68	1.68	0.94	0.68	0.59
<b>Mobile cellular telephone subscriptions</b>	127,404	600,000	1,187,122	1,590,785	2,546,157	4,611,970	7,340,317	11,349,412	16,303,573	19,364,559	24,968,891	28,080,771	30,731,754
<b>Mobile cellular telephone subscriptions per 100 inhabitants</b>	0.41	1.87	3.61	4.71	7.34	12.95	20.09	30.28	42.40	49.07	61.63	67.49	71.89
<b>Estimated Internet Users per 100 inhabitants</b>	0.32	0.62	1.21	2.94	3.02	3.10	7.53	7.95	8.67	10.04	14.00	28.00	32.10

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

<b>Laws relating to ICT, out of a 1–7 (best) scale</b>	4.1
<b>Mobile Network Coverage, % pop. covered</b>	89.1
<b>Broadband Internet subscriptions/100 pop</b>	0.1

<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>Mobile broadband subscriptions/100 pop</b>	0.3
<b>Households with personal computers, %</b>	4.1
<b>Use of virtual social networks, out of a 1–7 (best) scale</b>	5.2
<b>Impact of ICT on new services and products, out of a 1–7 (best) scale</b>	4.8
<b>Impact of ICT on new organisational models, out of a 1–7 (best) scale</b>	4.6
<b>Gov't Success in ICT Promotion, out of a 1–7 (best) scale</b>	5.0
<b>Importance of ICT to gov't vision, out of a 1–7 (best) scale</b>	4.7
<b>ICT use &amp; gov't efficiency, out of a 1–7 (best) scale</b>	4.4
<b>Gov't Online Service Index, out of a 0-1 (best) scale</b>	0.43
<b>E-Participation Index, out of a 0-1 (best) scale</b>	0.05

### ICT Publications from International Organisations

<b>Source Organisation</b>	<b>Title of Publication</b>
<b>InfoDev</b>	Broadband in Kenya - infoDev
<b>World Economic Forum</b>	<a href="#">The Global Information Technology Report 2012</a>