

Country Page - Ghana

ICT Sector Information

Sector	Communications
Minister	Hon. Haruna Iddrisu, MP
Principal Institutions	Ministry of Communications
Regulator	National Communications Authority - NCA Independent regulator and competition authority for the Ghana Communications Authority
Other Deprtments/Agencies in the Portfolio	National Information Technology Agency (NICTA) Ghana Investment Fund for Electronic Communications – GIFEC

Mobile Operators

Operator	Technology
MTN Ghana	GSM, UMTS
Vodafone	GSM, UMTS
Tigo	GSM, UMTS
Airtel	GSM, UMTS
Expresso Telecom	CDMA 2000 1X
Glo	GSM

CTO Niche Areas

Broadband

National Policy Documents	Ghana National Telecom Policy of 2005 – NTP-05 The Ghana ICT For Accelerated Development (ICT4AD) Policy Electronic Communications Act, 2008, Act 775
Agency	National Communications Authority - NCA Ghana Investment Fund for Electronic Communications – GIFEC
Projects	<ul style="list-style-type: none"> • ICT Backbone Development Programme • National Broadband Project • Wiring Ghana Project • Broadband Wireless Access Licensing <p>AccelonStandard Trust Bank, ICT Education Support Africa Foundation: e-education package for schools – offers affordable financing for qualifying educational institutions towards broadband Internet access via VSAT anywhere in Ghana</p>
Publications	<p>A National Broadband Strategy for Economic Growth and Development (Workshop Version) - GhanaConnect</p> <p>Draft National Broadband Strategy</p>
Other Resources	GhanaConnect Website

Broadband Indicators¹

Indicators	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Mobile broadband subscriptions per 100 inhabitants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.24		
Fixed Broadband Subscriptions per 100 inhabitants		0.00	0.00	0.00	0.00	0.01	0.06	0.07	0.10	0.12	0.21	0.25

¹ ITU statistics

Cybersecurity & Cybercrime

Policy	Electronic Transactions Act (Act 772) Regulation of Interception of Communication Act (RICA)
Agency	Commercial Crime Unit, Criminal Investigation Department of the Ghana Police Force
Related Publications	Cyber Crime and Criminality in Ghana: Its Forms and Implications

E-Education Skill Development and Entrepreneurship

Policy Documents	The Ghana's Information and Communication Technology (ICT) in Education Policy (Draft) The Ghana ICT For Accelerated Development (ICT4AD) Policy
Agency	Ministry of Education and Sports
Indicators - Internet access in schools, Out of a 1–7 (best) scale²	3.2
Projects	GeSci - expand the deployment of ICTs in schools in Ghana and to promote the effective use of these ICTs to achieve Ghana's educational and community development objectives Nepad E Schools Intel Elearning Center Microsoft Partners in Learning programme – supporting schools with technology and training
Publications	ICT in Education in Ghana - Infodev

² Out of a 1–7 (best) scale. This indicator is derived from the World Economic Forum's Executive Opinion Survey. http://www3.weforum.org/docs/Global_IT_Report_2012.pdf

ICT For Disabilities

Policy Documents	Electronic Communications Act, 2008, Act 775
Agency	Ghana Investment Fund for Electronic Communications – GIFEC Ministry of Employment and Social Welfare
Indicators	
Projects	GIFEC: The Disability Employment Project Ministry of Employment and Social Welfare: trains about 20,000 people with disabilities (PWDs) countrywide in ICT by the end of 2013
Publications	Ghana to Train Disabled in ICT Ghana's 20,000 plus disabled people targeted for free ICT training by end of 2013

Regulatory Environments including convergence and digital broadcasting switchover

Policy Documents	Electronic Communications Act, 2008, Act 775
Agency	National Communications Authority - NCA Ghana Investment Fund for Electronic Communications – GIFEC
Projects	<ul style="list-style-type: none"> • Analogue to Digital Broadcasting Migration • Chip/SIM cards Identification • Broadband Wireless Access Licencing • Mobile Number Portability • Award of Infrastructure Licences
Publications	Ghana ICT Sector Performance Review 2009/2010 – Research ICT Africa

Youth and ICTs

Policy Documents	National Youth Policy of Ghana
Agency	Ministry of Youth and Sports The National Youth Employment Programme (Nyep) The National Youth Council (Nyc)
Projects	<p>ARDYIS: Networking and knowledge sharing (2010) – inform youth and consolidate their knowledge about opportunities to use ICTs in agriculture and rural areas</p> <p>ARDYIS: Internship Opportunity: Information and Communication Technologies for Development (ICT4D) Programme – offers youths opportunities to work in ICT field for rural development activities</p> <p>OVF: Catch IT – foster the development of ICT clubs throughout Ghana and prepare youth for ICT related jobs</p>

ICT Sector Indicators

Indicators on ICT infrastructure and access - ³

Indicators	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Fixed telephone subscriptions	212,5 48	244,6 32	275,0 39	291,0 30	313,3 26	321,5 26	356,3 55	376,509	143,9 00	267,3 89	277,8 97	284,7 21
Fixed telephone subscriptions per 100 inhabitants	1.11	1.25	1.37	1.41	1.48	1.49	1.61	1.66	0.62	1.12	1.14	1.14
Mobile cellular telephone subscriptions	130,0 45	243,7 97	386,7 75	795,5 29	1,695, 000	2,874, 560	5,207, 242	7,604,05 3	11,57 0,430	15,10 8,916	17,43 6,949	21,16 5,843
Mobile cellular telephone subscriptions per 100 inhabitants	0.68	1.24	1.92	3.86	8.03	13.28	23.49	33.48	49.73	63.42	71.49	84.78

³ ITU statistics

Estimated Internet Users per 100 inhabitants	0.15	0.20	0.83	1.19	1.72	1.83	2.72	3.85	4.27	5.44	9.55	14.11
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World Economic Forum ICT Readiness Indicators⁴

Laws relating to ICT, out of a 1–7 (best) scale	3.3
Mobile Network Coverage, % pop. covered	77.0
Households with personal computers, %	9.1
Use of virtual social networks, out of a 1–7 (best) scale	4.5
Impact of ICT on new services and products	4.3
Impact of ICT on new organisational models	3.7
Gov't Prioritisation of ICT, out of a 1–7 (best) scale	4.4
Importance of ICT to gov't vision, out of a 1–7 (best) scale	3.7
ICT use & gov't efficiency	3.6
Gov't Online Service Index, out of a 0-1	0.15

⁴ Out of a 1–7 (best) scale. This indicator is derived from the World Economic Forum's Executive Opinion Survey. http://www3.weforum.org/docs/Global_IT_Report_2012.pdf

(best) scale	
E-Participation Index, out of a 0-1 (best) scale	0.09

ICT Publications from Other International Organisations

Source Organisation	Title of Publication
InfoDev	<u>ICT in Education in Ghana</u>
World Economic Forum	<u>The Global Information Technology Report 2012</u>