

Commonwealth Telecommunications Organisation

Country Page – Uganda

ICT Sector Information

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| Sector | Information and Communication Technology |
| Minister | Hon. Ruhakana Rugunda (Dr.) |
| Principal Institutions | Ministry of Information and Communication Technology |
| Regulator | Uganda Communications Commission (UCC) – Recommend and implement policies |
| Other Departments/Agencies in the Portfolio | Broadcasting Council – regulates broadcasting |

Mobile Operators

| Operator | Technology |
|---------------|-----------------------------------|
| MTN | GSM,CDMA,GPRS, EDGE, WiMAX, HSDPA |
| Airtel | GSM, GPRS |
| UT Mobile | CdmaOne, GSM, UMTS, HSDPA |
| Warid | GSM, GPRS, EDGE, WiMAX |
| Orange Uganda | GSM, GPRS |
| Essar | GSM, GPRS |

CTO Niche Areas

Broadband

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|----------------------------------|---|
| National Policy Documents | Uganda Communications Act , Cap 106 laws of Uganda (the Act) |
| Agency | Uganda Communications Commission (UCC) |
| Projects | Rural Communications Development Fund (RCDF) National Backbone and E-government Infrastructure Project |
| Publications | Overview of Fibre Infrastructure Opportunities in the UbuntuNet Region |

Broadband Indicators¹

| Indicators | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Mobile broadband subscriptions per 100 inhabitants | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.68 | 1.10 | | | |
| Fixed Broadband Subscriptions per 100 inhabitants | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.02 | 0.04 | 0.10 | 0.11 |

Cybersecurity & Cybercrime

| | |
|-----------------------------|---|
| Policy | Electronic Transactions Bill (2003) Computer Misuse Bill (2003) Electronic Signatures Bill (2003) |
| Agency | Uganda Communications Commission (UCC) |
| Projects | National CIRT Establishment in Uganda |
| Related Publications | Cybersecurity Legislation and Policy Initiatives – Uganda Case PAPER ON THE STATE OF CYBERSECURITY IN UGANDA |
| Other Resources | Cybersecurity Forum |

E-Education Skill Development and Entrepreneurship

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|-------------------------|---|
| Policy Documents | ICT national policy 2003 Draft Policy For Information And Communication Technology In The Education Sector |
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¹ ITU statistics

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|---|---|
| Agency | Ministry of ICT Ministry of Education and Sports |
| Indicators - Internet access in schools, Out of a 1–7 (best) scale | 2.9 |
| Projects | Connecting Classrooms Connectivity for Educator Development Project (Connect Ed) |
| Publications | ICT in Education |

ICT For Disabilities

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|-------------------------|--|
| Policy Documents | National ICT policy The Proposed Telecom Policy of 2006 The Persons with Disabilities Act section 21 (1), 2006 Uganda Communications Act, 1998 National Policy on Disabilities, 2006 |
| Agency | Department for Disabled Persons under the Ministry of Gender, Labour and Social Development Uganda Communication Commission (UCC) |
| Projects | Universal Service fund projects for the underserved including people with disabilities; projects funded by the fund include Internet Points of Presence (PoPs) at District level, Universal Access Telephony in underserved areas, Multi Purpose Community telecentres, District web portals |
| Publications | Ict Accessibility For Persons With Disabilities In Africa Region: Uganda's Country Report |

Regulatory Environments including convergence and digital broadcasting switchover

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|-------------------------|--|
| Policy Documents | Digital Migration Policy for TV Broadcasting in Uganda The Communications Act, cap 106 The National ICT Policy, 2002 |
|-------------------------|--|

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|---------------------|---|
| | Proposed Telecom Policy of 2006 |
| Agency | UCC Broadcasting Council |
| Projects | Digital migration plan – Four phases: Preparatory Phase (Begun in July 2009), Digital Switch On (July 2011), Simulcast Period(July 2011- December 2012) and Analog Switch Off (December 2012) |
| Publications | Uganda ICT Sector Performance Review 2009/2010 |

Youth and ICTs

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|-------------------------|--|
| Policy Documents | The National ICT Policy, 2002 Draft Policy For Information And Communication Technology In The Education Sector |
| Agency | Ministry of ICT Ministry of Education and Sports |
| Projects | Enhancing Access to Agricultural Information using ICTs (EAAI) - improves agricultural information systems to the rural people including women, youth using ICT tools such as mobile phones, Community radio, world space satellite radios, internet , audio and video recorders and the cameras among others Connecting Classrooms Connectivity for Educator Development Project (Connect Ed) |

ICT Sector Indicators

Indicators on ICT infrastructure and access - ²

| Indicators | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Fixed telephone subscriptions | 61,678 | 56,149 | 54,976 | 60,995 | 71,568 | 87,513 | 108,140 | 165,788 | 168,481 | 233,533 | 327,114 | 464,849 | 314,956 |

² ITU statistics

| | | | | | | | | | | | | | |
|--|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
| Fixed telephone subscriptions per 100 inhabitants | 0.25 | 0.22 | 0.21 | 0.23 | 0.26 | 0.31 | 0.37 | 0.55 | 0.54 | 0.72 | 0.98 | 1.35 | 0.88 |
| Mobile cellular telephone subscriptions | 1269 13 | 2835 20 | 3933 10 | 7761 69 | 1165 035 | 1315 300 | 2008 818 | 4195 278 | 8554 864 | 9383 734 | 12828 264 | 1669 6992 | 1635 6387 |
| Mobile cellular telephone subscriptions per 100 inhabitants | 0.52 | 1.13 | 1.52 | 2.91 | 4.23 | 4.63 | 6.84 | 13.8 3 | 27.3 0 | 28.9 9 | 38.38 | 48.3 8 | 45.9 2 |
| Estimated Internet Users per 100 inhabitants | 0.16 | 0.24 | 0.38 | 0.46 | 0.72 | 1.74 | 2.53 | 3.67 | 7.90 | 9.78 | 12.50 | 13.0 1 | 14.6 9 |

World Economic Forum ICT Readiness Indicators³

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|--|-----|
| Laws relating to ICT, out of a 1–7 (best) scale | 3.6 |
| Mobile Network Coverage, % pop. covered | 100 |
| Broadband Internet subscriptions/100 pop. | 0.1 |
| Mobile broadband subscriptions/100 pop. | 2.8 |
| Households with personal computers, % | 1.2 |
| Use of virtual social networks, out of a 1–7 (best) scale | 4.3 |

³ These indicators are derived from the World Economic Forum's Executive Opinion Survey. http://www3.weforum.org/docs/WEF_GITR_Report_2013.pdf

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|--|------|
| Impact of ICT on new services and products, out of a 1–7 (best) scale | 4.4 |
| Impact of ICT on new organisational models, out of a 1–7 (best) scale | 4.0 |
| Gov't Success in ICT Promotion, out of a 1–7 (best) scale | 4.7 |
| Importance of ICT to gov't vision, out of a 1–7 (best) scale | 4.2 |
| ICT use & gov't efficiency, out of a 1–7 (best) scale | 4.2 |
| Gov't Online Service Index, out of a 0-1 (best) scale | 0.29 |
| E-Participation Index, out of a 0-1 (best) scale | 0.08 |

ICT Publications from Other International Organisations

| Source Organisation | Title of Publication |
|-----------------------------|---|
| InfoDev | ICT education in Uganda |
| ITU | National ICT policy framework – ITU |
| World Economic Forum | The Global Information Technology Report 2013 |