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STATISTICAL ABSTRACT



- Driving the IT Revolution -

**NATIONAL
INFORMATION
TECHNOLOGY
AUTHORITY**

www.nita.go.ug

INTRODUCTION

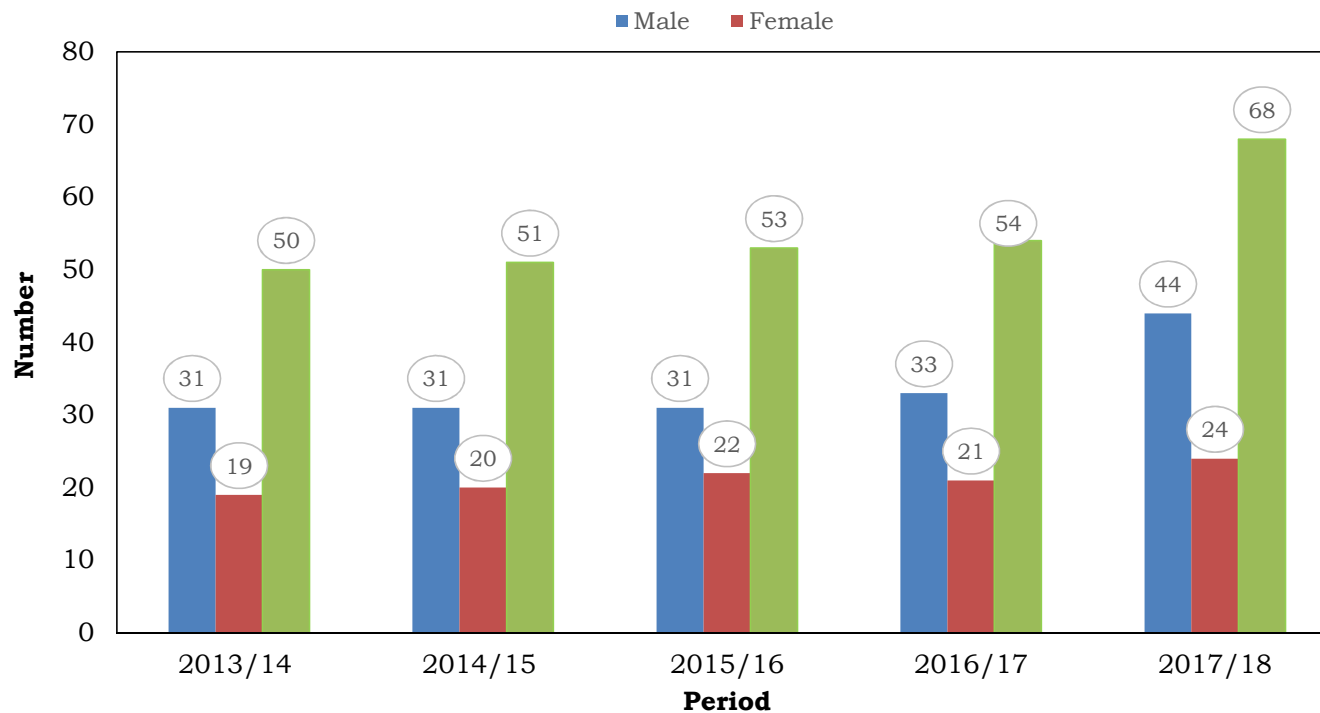
This NITA-U Statistical Abstract is an annual publication of some key statistics produced within the Authority under its mandate to coordinate, promote and monitor Information Technology developments. Other statistics are collected from agencies that are involved in the production of Information Technology statistics.

This publication is divided into five major thematic areas which include;

1. NITA-U Human Resources Statistics
2. Administrative Statistics
3. Other ICT Statistics
4. ICT Performance in the Economy
5. Uganda's ICT Rankings on the Global Scale

NITA-U HUMAN RESOURCES STATISTICS

NITA-U Staff by Gender



In the FY 2017/18, the total number of NITA-U staff was 68 compared to 54 recorded in FY 2016/17. The majority (65 percent) were male and only 35 percent were female in FY 2017/18 compared to 61 percent and 39 percent in FY 2016/17 respectively.

Source: National Information Technology Authority-Uganda

NITA-U ADMINISTRATIVE STATISTICS

National Backbone Infrastructure (NBI)

This section provides information on the National Backbone Infrastructure whose major aim is to connect all major towns within the country onto an Optical Fibre Cable based Network and to connect Government entities onto the e-Government Network. Statistics on the kilometers of Optical Fibre Cable on the NBI; districts covered by the NBI; government sites connected to the NBI; government sites utilizing services over the government sites receiving Internet band width service over the NBI and government sites using other services over the NBI are presented on this section.



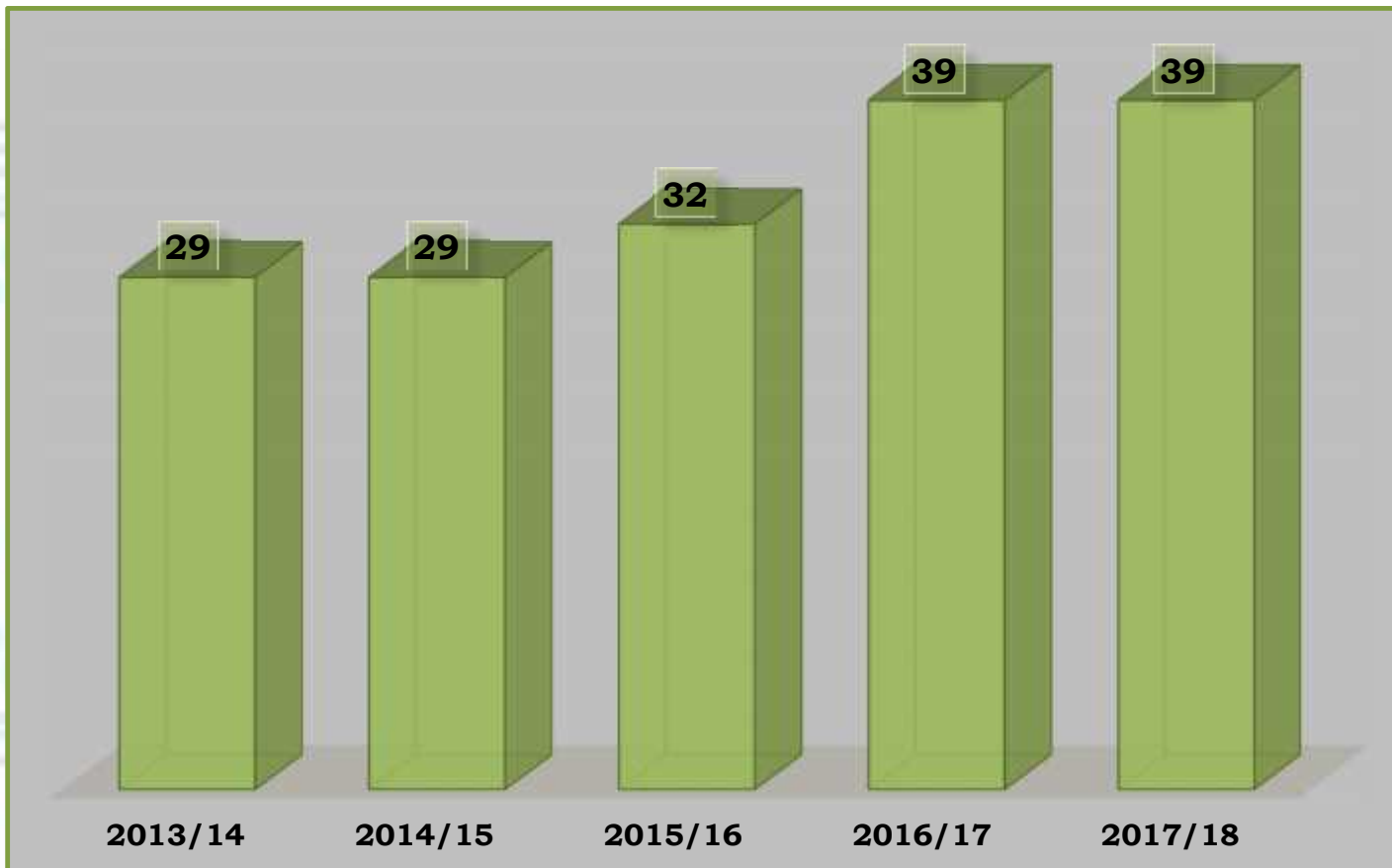
Kilometers of Optical Fibre Cable on the NBI



Source: National Information Technology Authority-Uganda

In FY2017/18, the kilometers of Optical Fibre Cable on the NBI remained at 2,424km.

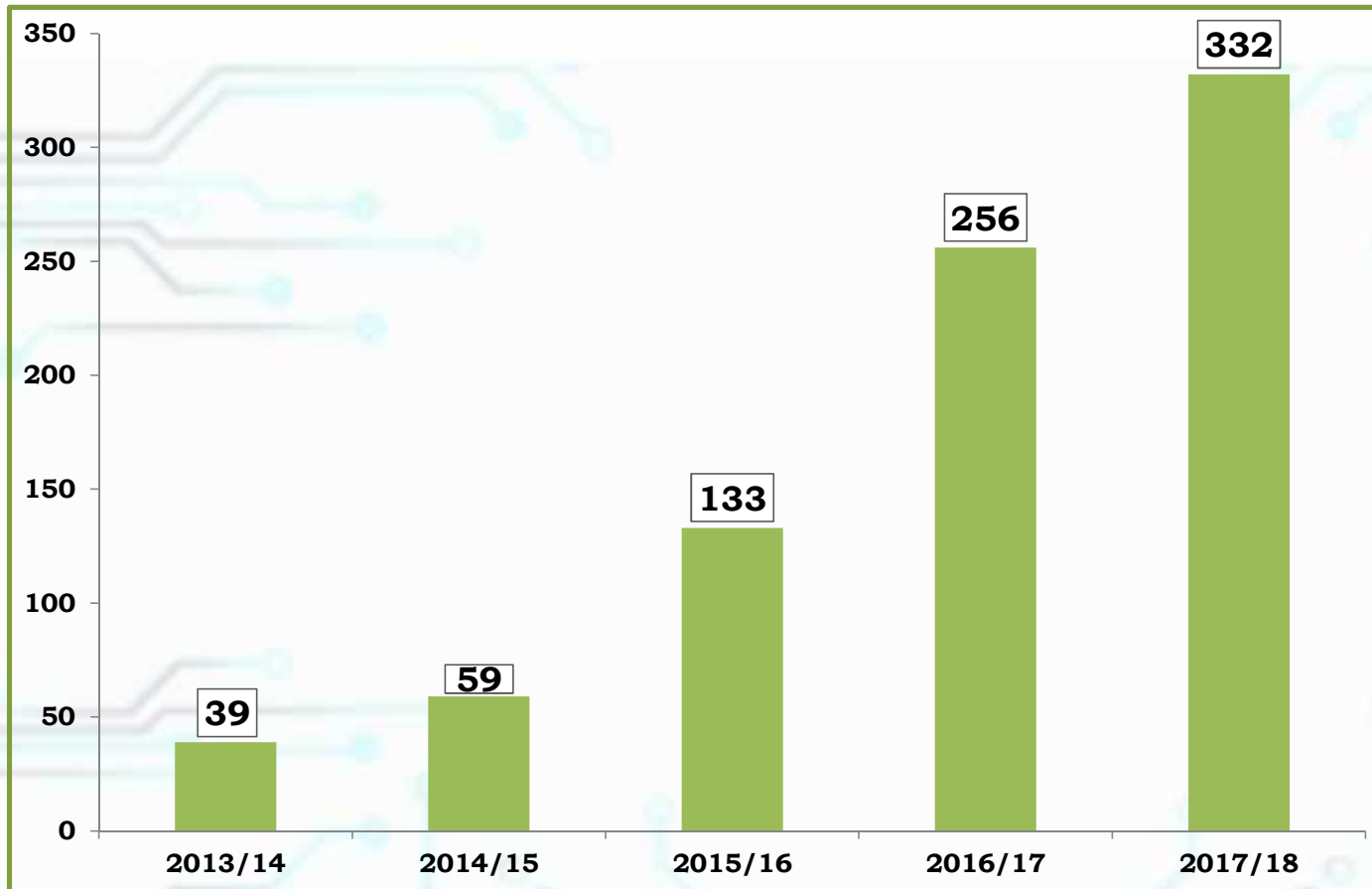
Districts covered by the NBI



The number of districts covered by the NBI also remained at 39.

Source: National Information Technology Authority-Uganda

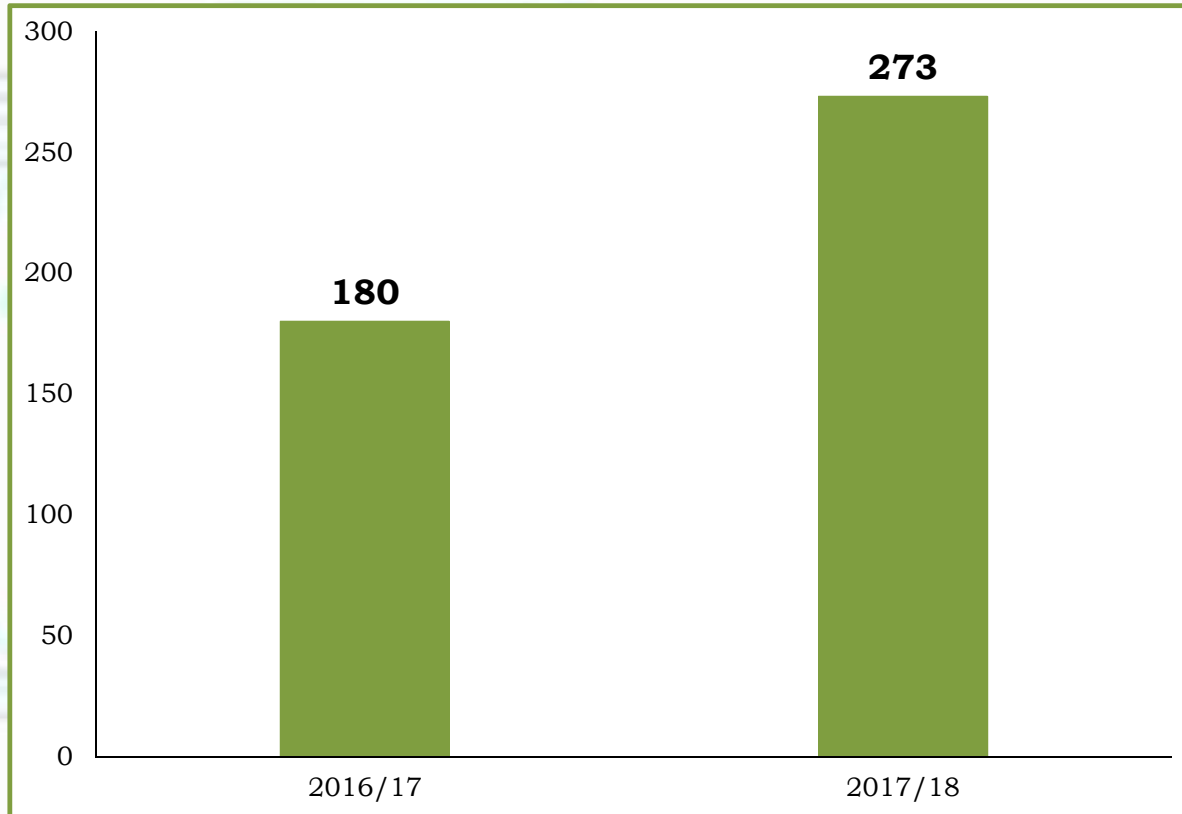
Government sites connected to the NBI



Source: National Information Technology Authority-Uganda

76 additional government sites were connected to the NBI increasing the total number to 332 compared to 123 added in FY2016/17.

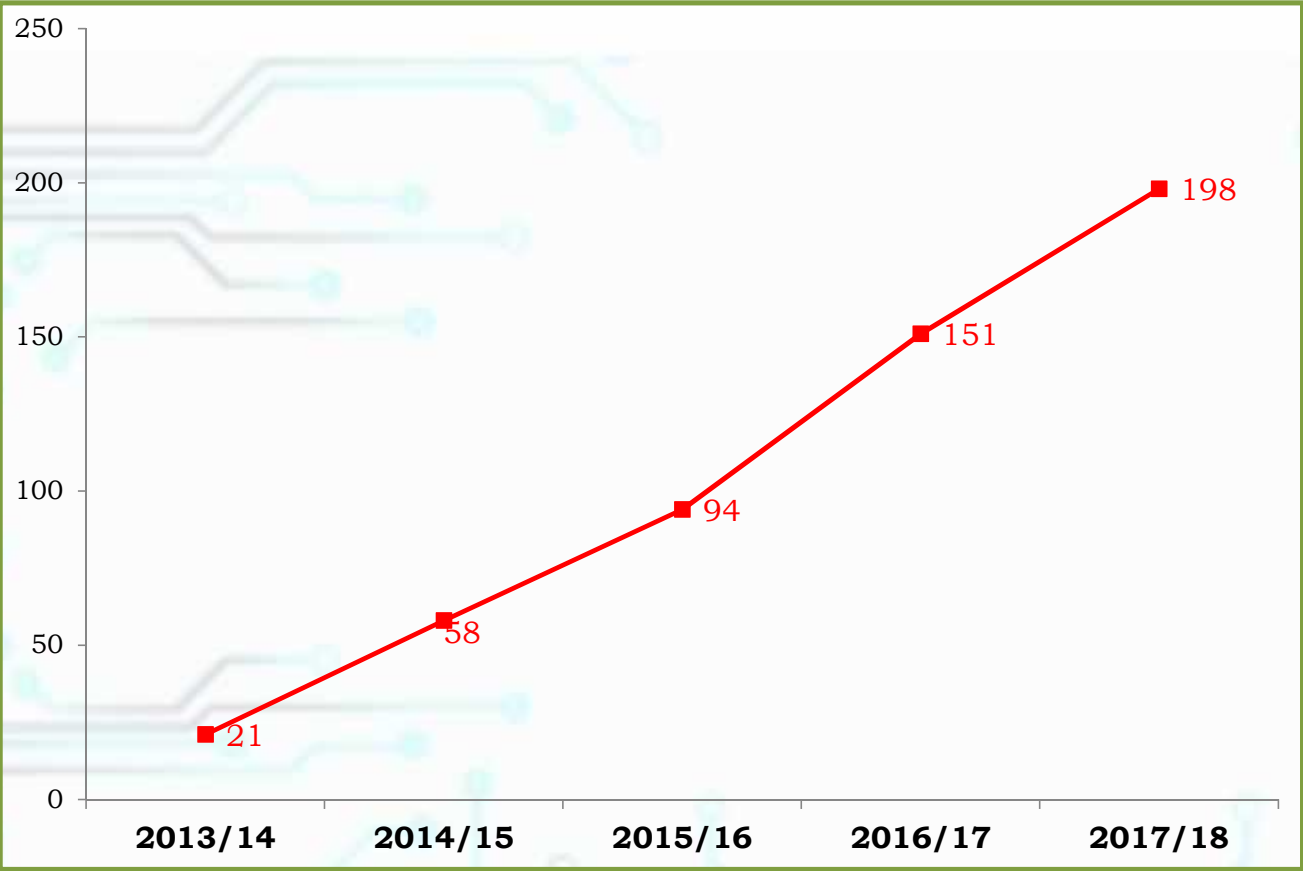
Government sites utilizing services over the NBI



Source: National Information Technology Authority-Uganda

Of the total number of connected sites to the NBI, 273 (77%) were utilizing various services (Internet Bandwidth, IFMS, Leased lines, Data Centre services, and dark fiber) delivered over the NBI in FY2017/18 compared to 180 sites out of 256 connected (66%) in FY2016/17.

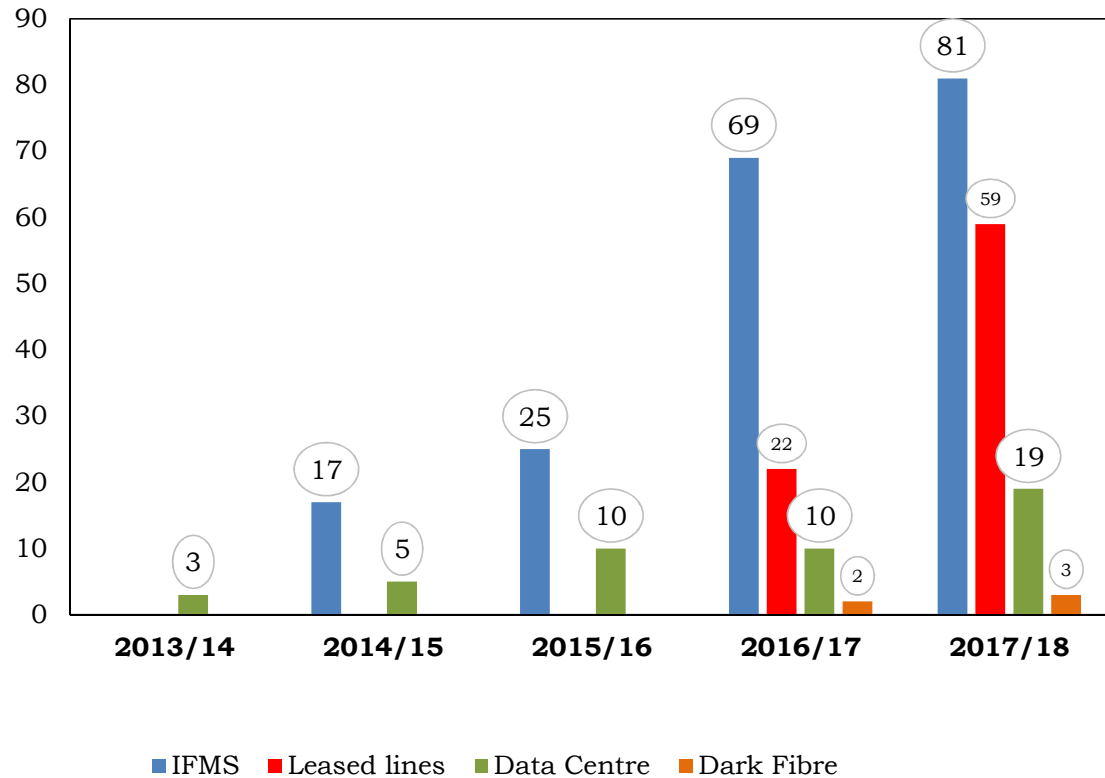
Government sites receiving internet bandwidth service over the NBI



In FY 2017/18, 46 additional government sites were provided with Internet service over the NBI bringing the total number to 198 compared to 57 additional sites in FY2016/17.

Source: National Information Technology Authority-Uganda

Government sites using other services over the NBI



In FY2017/18, the number of government sites using Integrated Financial Management System over the NBI increased from 69 in FY2016/17 to 81, those using Leased lines improved from 22 to 51, Data center services from 10 to 19 and leasing of Dark fibre services from 2 to 3.

Source: National Information Technology Authority-Uganda

Snapshot of e-Government Services

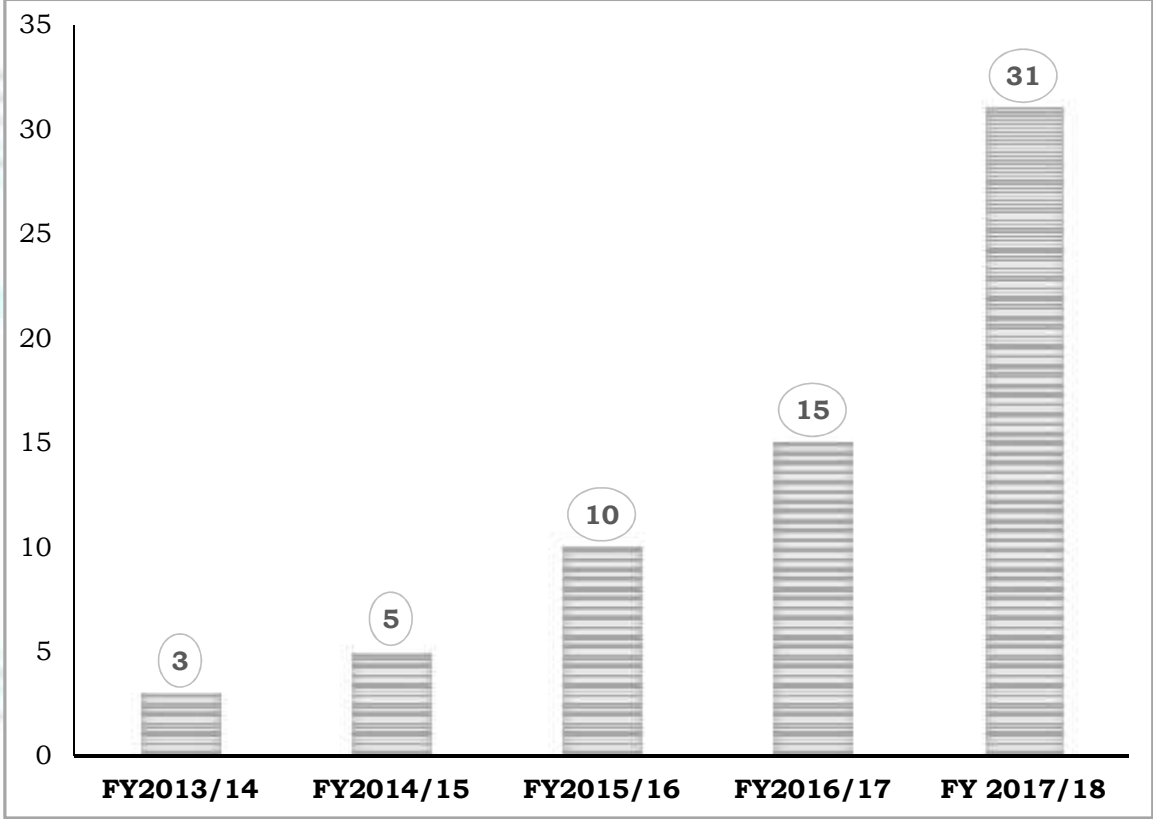


E-Government enables citizens, enterprises and organizations to carry out their business with government in a more efficient, transparent, and effective manner. Therefore, NITA-U is championing comprehensive implementation of information and communication technology in government Ministries, Departments, Agencies (MDAs) and Local Governments. The government has setup infrastructure and is promoting the roll out of e-services.

This section presents statistics on the applications hosted at the Data Centre, e-services accessed through the e-citizens Portal, implementing government entities providing e-services, MDAs/LGs provided technical assistance to in the implementation of e-Government projects and websites developed by NITA-U.



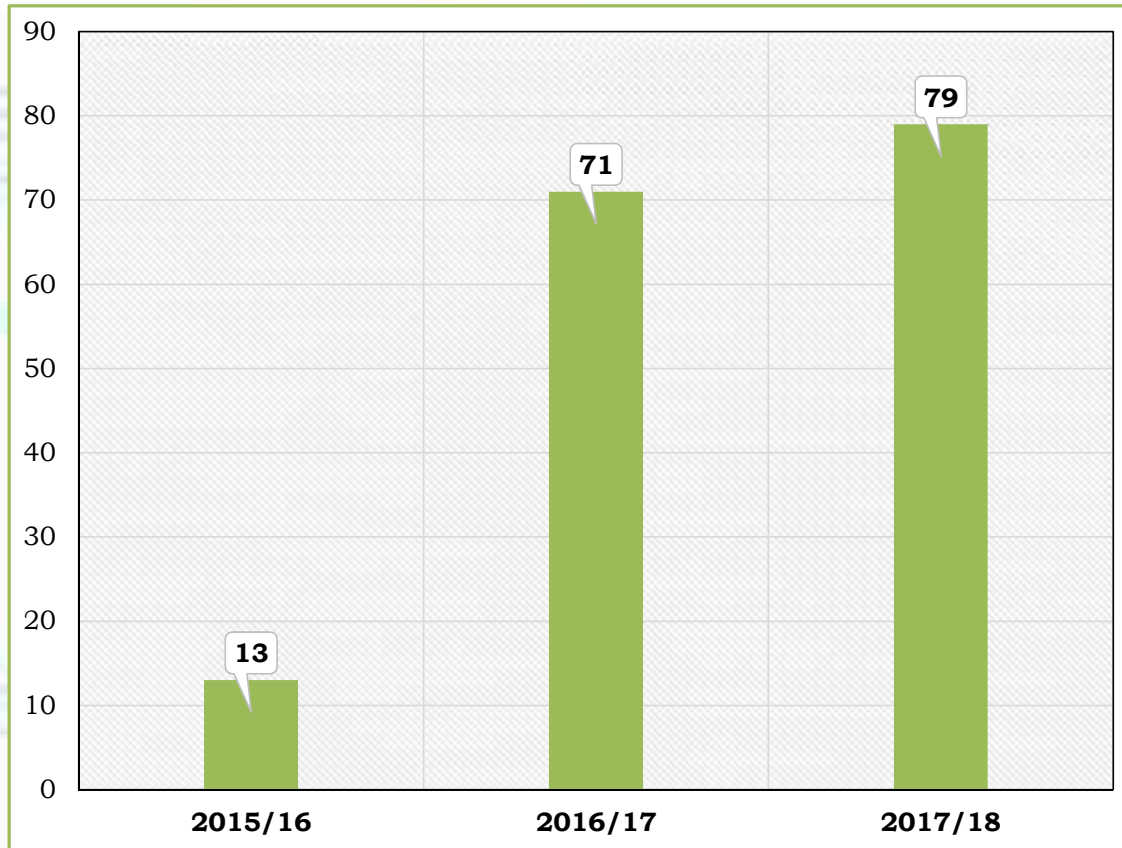
Applications hosted at the Data Centre



Source: National Information Technology Authority-Uganda

In FY2017/18, 16 new applications were added to be centrally hosted at the National Data Centre bringing the total to 31 while in FY2016/17, only 10 new applications were added.

E-services accessed through the e-Citizens portal



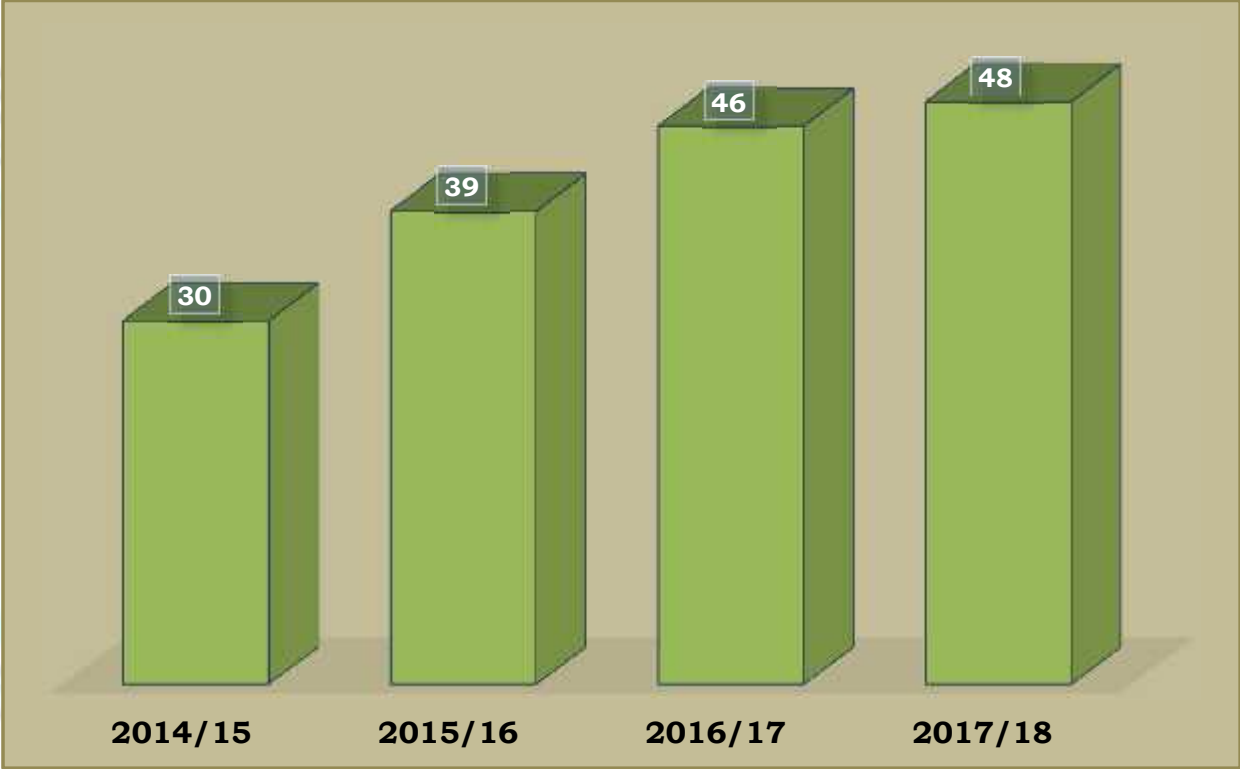
Source: National Information Technology Authority-Uganda

NITA-U has made commendable efforts to promote the usage of the E-Citizens portal

(<http://www.ecitizen.go.ug>).

In FY2017/18, 8 new e-services were added to the portal bringing the total to 79.

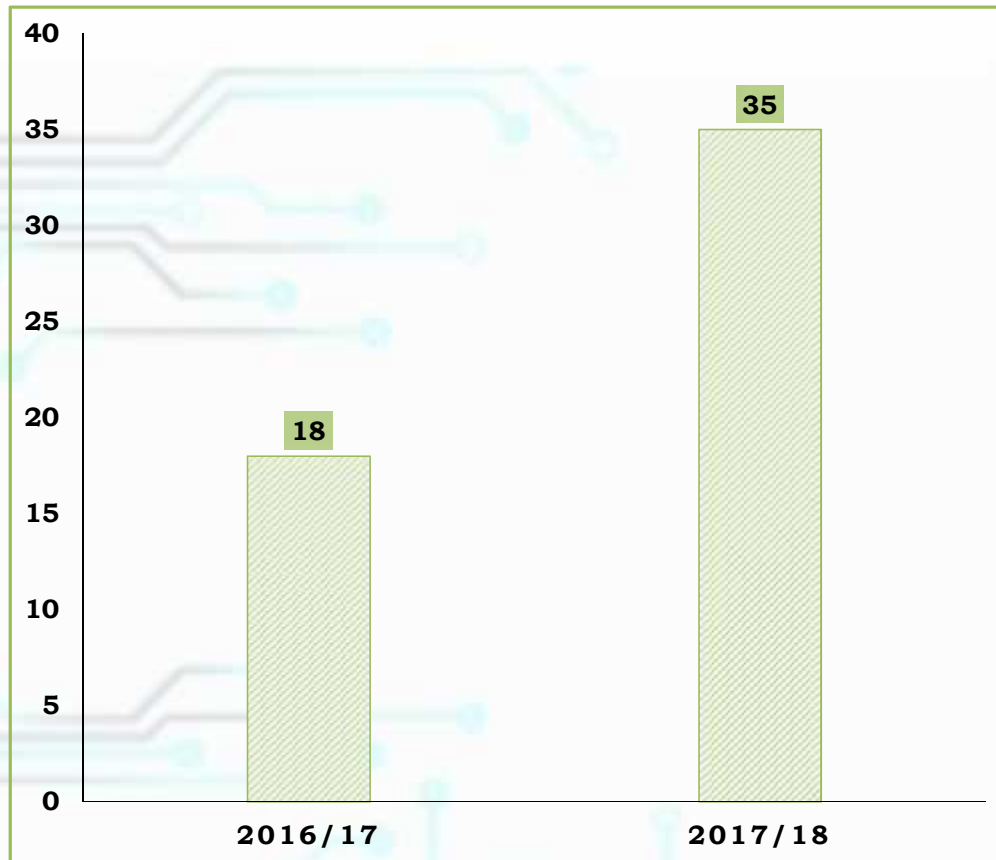
Implementing government entities providing e-services



The number of implementing government entities providing e-services increased from 46 in FY2016/17 to 48 in FY2017/18

Source: National Information Technology Authority-Uganda

MDAs/LGs Supported in the implementation of e-Government projects



Source: National Information Technology Authority-Uganda

In FY2017/18, technical support was provided to 35 unique MDA/LGs which has resulted into the development of E-Government services, capacity building, and improved compliance to national IT standards and improved efficiencies

Websites Developed



Source: National Information Technology Authority-Uganda

As per the national guidelines for development and management of websites, NITA-U developed a total of 29 websites for MDAs/LGs in FY2017/18 from 11 websites developed in the previous FY2016/17. Cumulatively 162 MDAs/LGs sites were being hosted and supported by NITA-U in FY2017/18.

Priority IT Standards

NITA-U is charged with the responsibility of developing national information technology standards. These standards are developed through technical committees comprised of subject matter experts. These experts are sourced from different fields such as academia, industry, business, government regulatory bodies and independent researchers etc. In developing these standards, NITA-U prioritizes different competing needs and therefore the standards that have the greatest impact on the technological advancement of the country in line with the government's development programs are considered first for development. Such standards are considered to have a great impact on trade, security and affect positively the ability of government to deliver services in a fast, efficient, reliable and effective manner for all citizens which in turn has the effect of propelling the socio-economic development of the country.



Number of IT Standards developed



Source: National Information Technology Authority-Uganda

In FY2017/18, 17 National IT Standards were developed and presented to the National Standards Technical Committee for adoption while 14 national IT standards were developed and approved by the National Standards Council under the Uganda National Bureau of Standards in FY2016/17

Compliance to IT Standards and e-Government Regulations



NITA-U conducts compliance assessments in entities against the standards for structured cabling and guidelines; Standards for the acquisition of IT Hardware & Software; E-Government Regulations, 2015 and the Electronic transactions Act.

Number of Compliance Assessments and Compliance levels

Financial Year	Number of Entities assessed	Compliance levels (average score)			
		Structured Cabling Standards, 2013	Hardware & Software Standards, 2013	E-Government Regulations, 2015	Electronic transactions Act
2013/2014	17 MDAs	55%	-	-	-
2014/2015	9 online service providers	-	-	-	57%
2015/2016	21 MDAs	65%	74%	-	-
2016/2017	10 MDAs	64%	73%	-	-
	5MDAs	-	-	35%	-
2017/2018	10 MDAs	62%	67%	42%	-

Source: National Information Technology Authority-Uganda

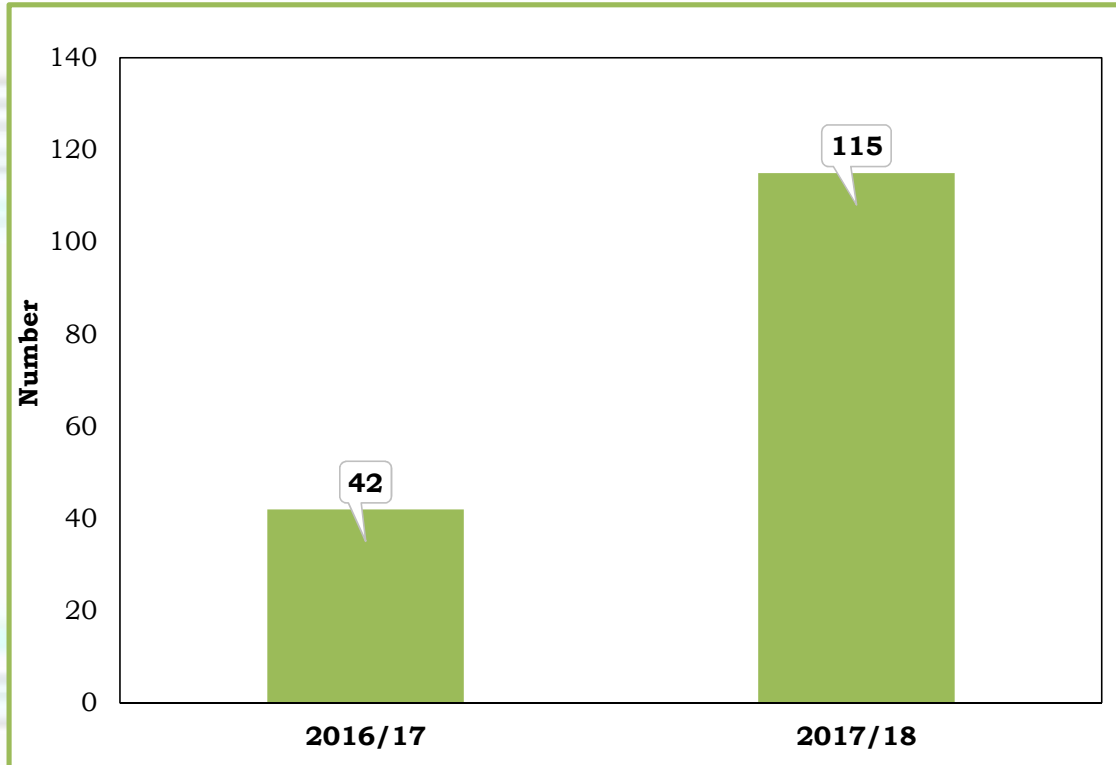
In FY2017/18, 10 MDAs were assessed against the standards for structured cabling, standards for the acquisition of IT Hardware & Software, and E-Government Regulations, 2015 and their compliance levels were on average 62 percent, 67 percent and 42 percent respectively. However, follow-ups are being made with these entities to ensure compliance.

Certification of IT Service Providers



The National Information Technology Authority-Uganda (NITA-U) has been working on modalities for certifying and authenticating IT service providers and IT training institutions in Uganda for systematic growth of the sector and warrant of better quality IT services for the consumers.

Number of IT Service Providers certified



By the end of FY2017/18, the number of additional IT service providers certified under the Certification Framework improved from 42 in FY2016/17 to 115 leading a cumulative total of 157 IT firms.

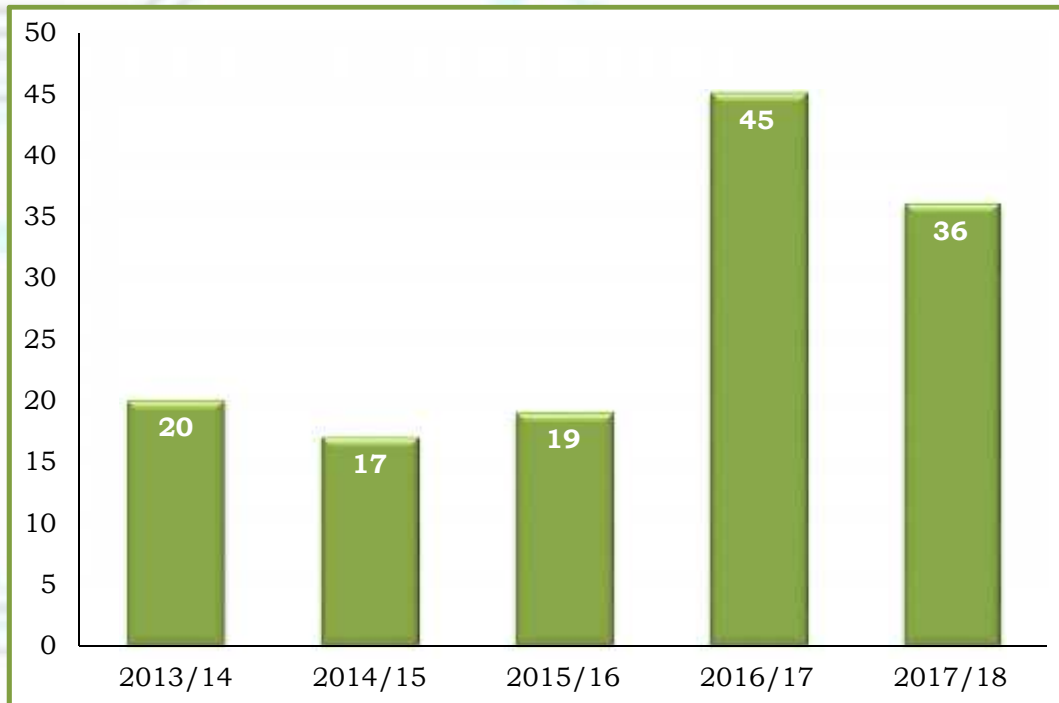
Source: National Information Technology Authority-Uganda

Cyber Laws Awareness

Sensitization activities to enhance awareness of the existence and application of the cyber laws have been conducted over the years.



Number of sensitization sessions on cyber laws



Source: National Information Technology Authority-Uganda

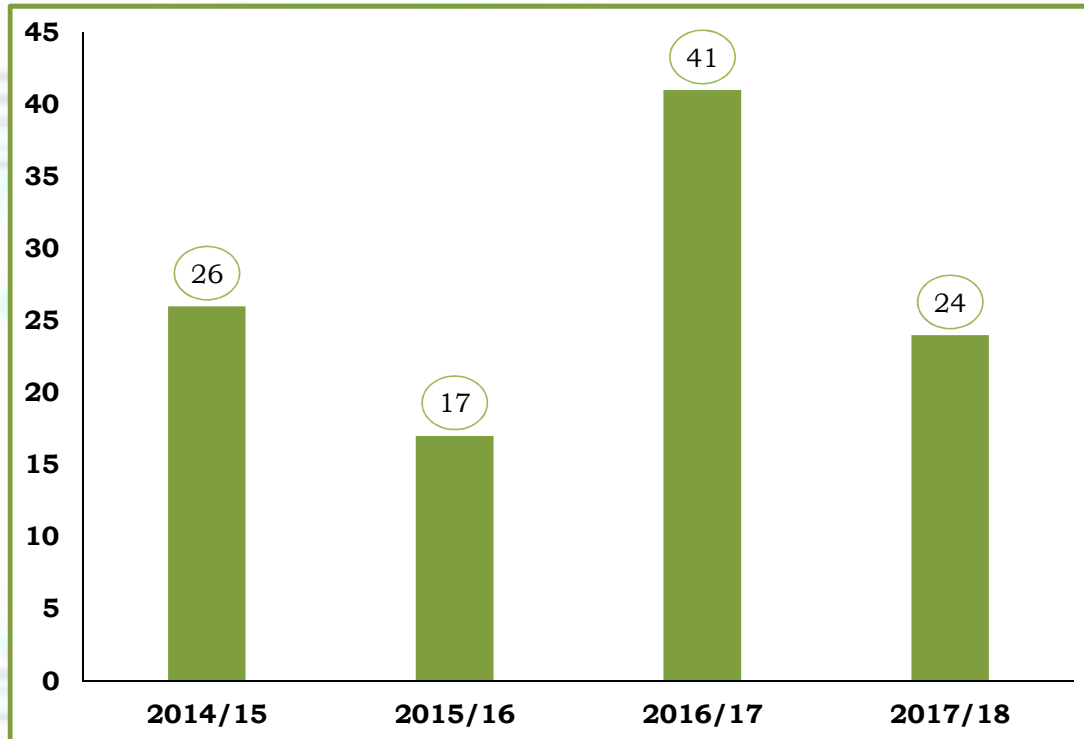
In FY2017/18, there was a decline of 20 percent in the number awareness sessions conducted across the MDAs and Local Governments from 45 sessions conducted in FY2016/17 to 36 sessions

Information Security



This section presents statistics on Information Security awareness sessions targeting numerous stakeholder groups, MDAs implementing National Information Security Framework, privacy protection for personal or confidential data collected, processed and stored as well as the availability for hosted public services.

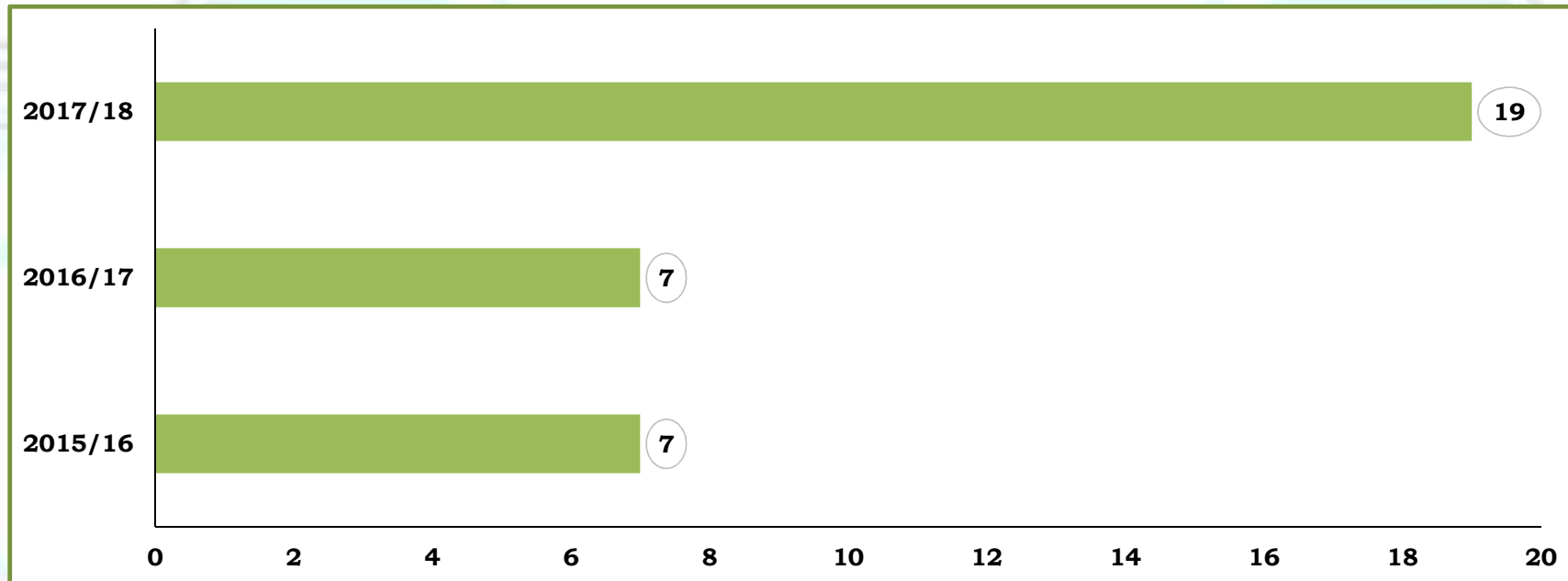
Information Security Awareness Sessions



Source: National Information Technology Authority-Uganda

In FY 2017/18, 24 Information Security awareness sessions targeting numerous stakeholder groups in the areas of risk management, implementation of Security Controls, Audits amongst others were conducted

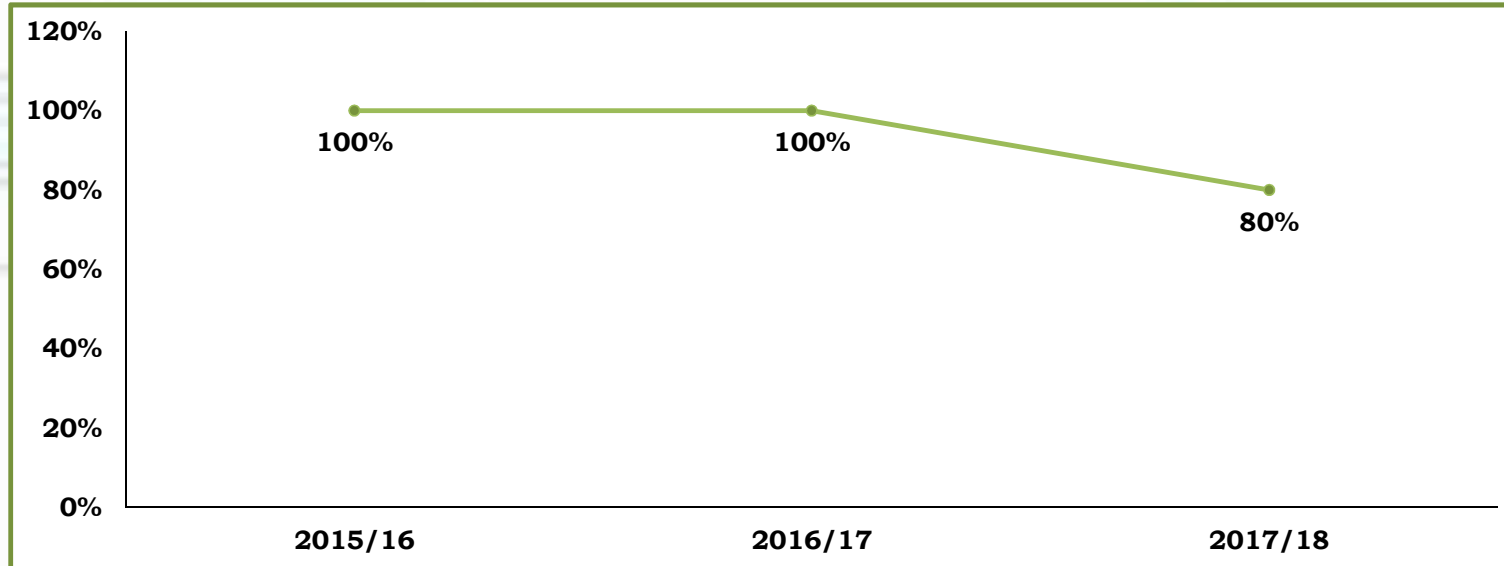
MDAs implementing National Information Security Framework



Source: National Information Technology Authority-Uganda

The number of MDAs implementing National Information Security Framework (NISF) promoting initiatives improved from 7 in the previous FY2016/17 to 19 in FY2017/18

Privacy Protection

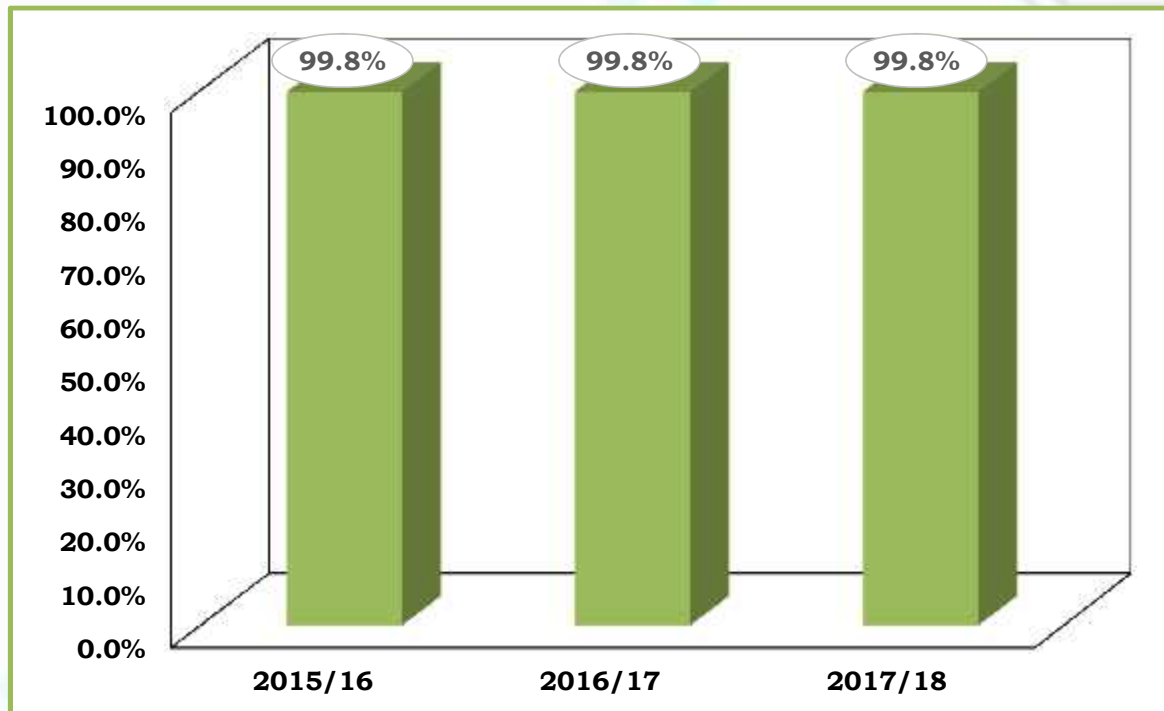


Source: National Information Technology Authority-Uganda

The level of privacy protection for personal or confidential data collected, processed and stored was 100 percent in FY2016/17 implying that there were no incidents reported and 80 percent of incidents reported in FY2017/18 were resolved.

Availability for hosted public services

The level of availability for hosted public services (average uptime of the services hosted) has been 99.8 percent over the past three years



Source: National Information Technology Authority-Uganda

Capacity building and skilling for e-government services



NITA-U conducts training and builds capacity for e-government services to ensure increased uptake and effective utilisation among government employees.

Number of government employees trained in e-government services

During the FY2017/18, 429 government employees were trained in various e-government services compared to 474 government employees trained in FY2016/17



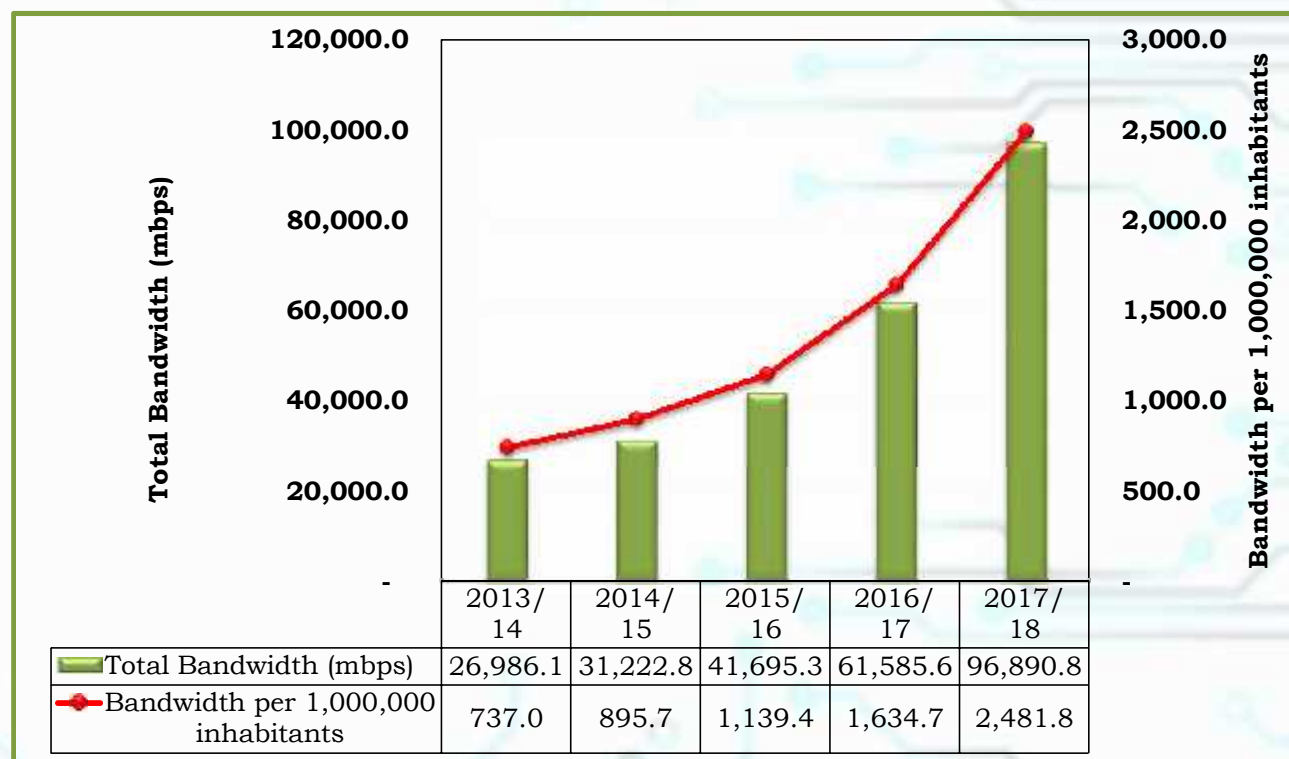
Source: National Information Technology Authority-Uganda

OTHER ICT STATISTICS



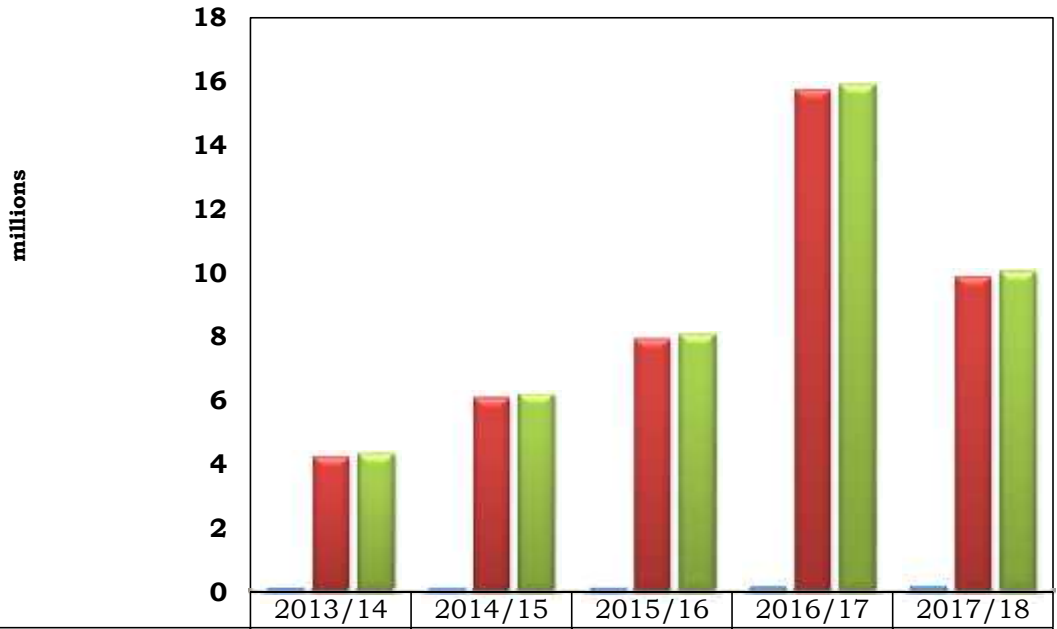
Total internet bandwidth and internet bandwidth per million inhabitants

The total internet bandwidth grew from 61,585.6Mbps in the previous financial year to 96,890.8Mbps in FY2017/18, resulting into a 51.8 percent growth in bandwidth per 1 million inhabitants. This means increased network capacity to carry larger volume of information from one location to the next. This indirectly leads to improved network performance hence higher speed internet services to internet users



Source: Uganda Communications Commission

Internet subscriptions

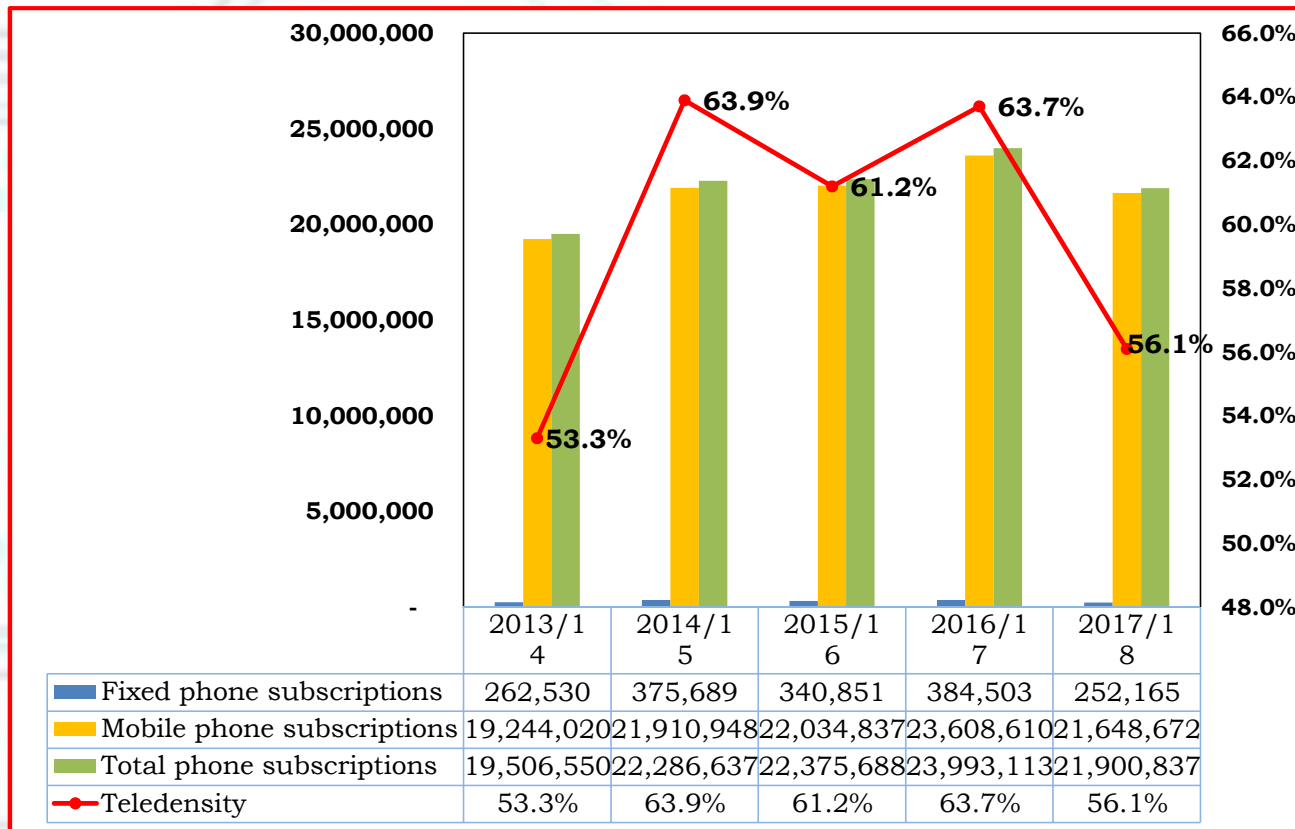


	2013/14	2014/15	2015/16	2016/17	2017/18
■ Estimated Fixed internet subscriptions	106,900	122,550	139,000	158,000	173,600
■ Estimated Mobile internet subscriptions	4,196,113	6,057,148	7,909,973	15,714,709	9,855,034
■ Estimated Total internet subscriptions	4,303,013	6,179,698	8,048,973	15,872,709	10,028,634

As estimated, the number of mobile internet subscriptions in FY2017/18 declined by 37.3 percent from 15.7million in FY2016/17 to about 9.9million. There was also a 9.9 percent growth in fixed internet subscriptions from 158,000 to 173,000 subscriptions in the same period. The estimated total internet subscriptions declined by 36.8 percent from about 15.9million in FY2016/17 to about 10million in FY2017/18

Source: Uganda Communications Commission

Phone subscriptions



Source: Uganda Communications Commission

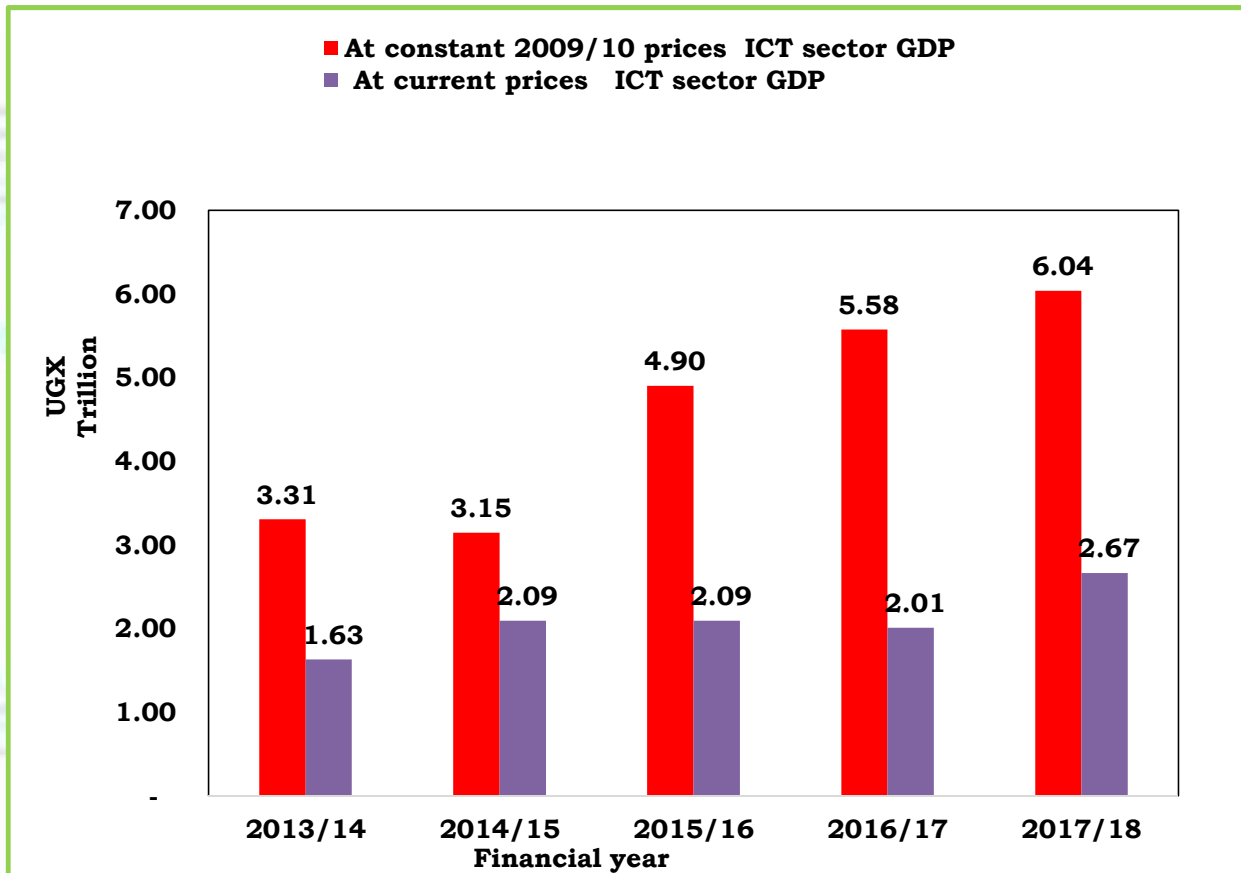
In FY2017/18, a decline of 8.3 percent in mobile phone subscriptions was recorded from 23.6million subscriptions in FY2016/17 to a total of 21.8million. A total of 252,165 active fixed phone subscriptions was recorded in the FY2017/18 compared to 384,503 subscriptions in FY2016/17. In addition, the total telephone phone subscriptions resulted into a decline of 11.9 percent in tele-density, from 63.7 percent in FY2016/17 to 56.1 percent in FY2017/18

ICT SECTOR PERFORMANCE IN THE ECONOMY



This section covers statistics on ICT sector GDP, Trade in ICT goods, ICT Sector Revenue Collections and ICT planned investment.

ICT sector GDP

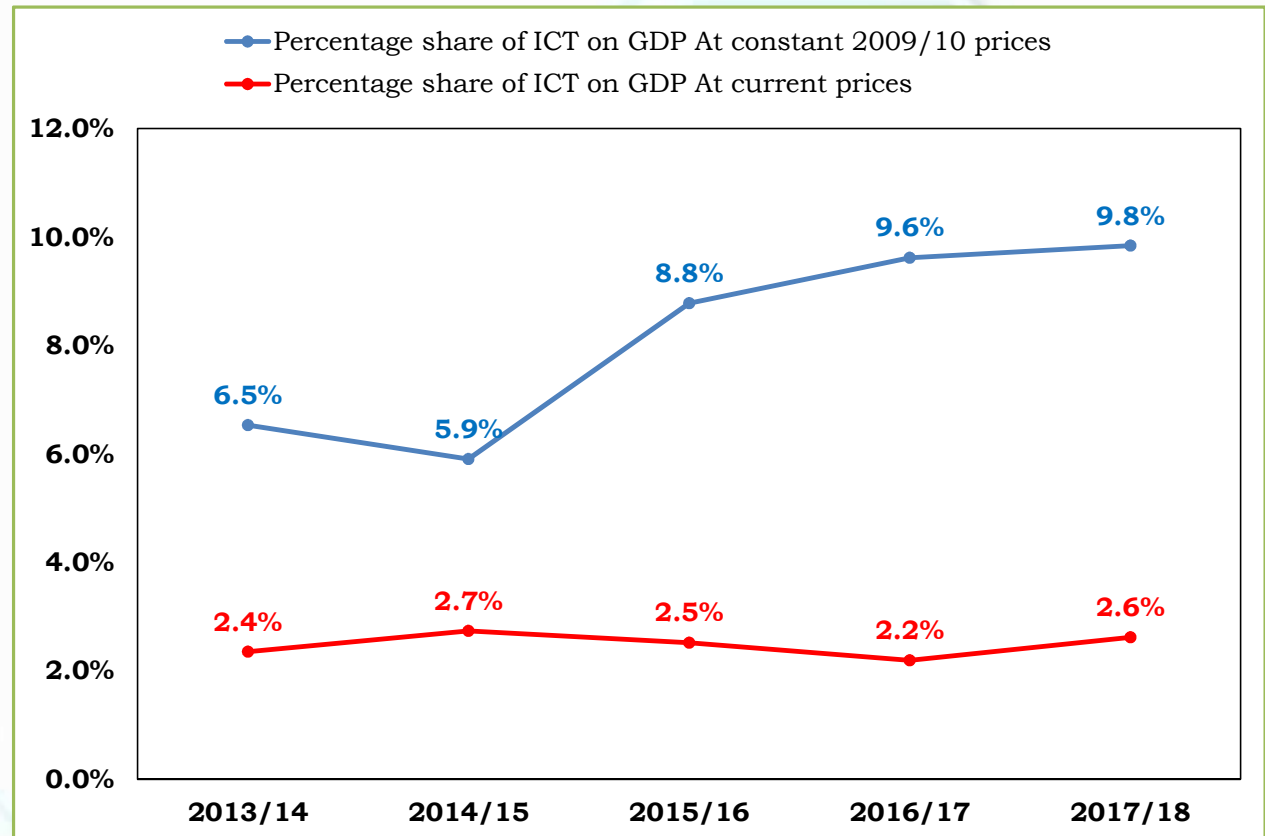


Source: Uganda Bureau of Statistics

In FY2017/18, the ICT sector real GDP (at constant prices) was UGX 6.04trillion compared to UGX 5.58trillion in FY2016/17. Similarly, ICT sector nominal GDP (at Current prices) increased from UGX 2.01trillion in FY2016/17 to UGX 2.67trillion in FY2017/18

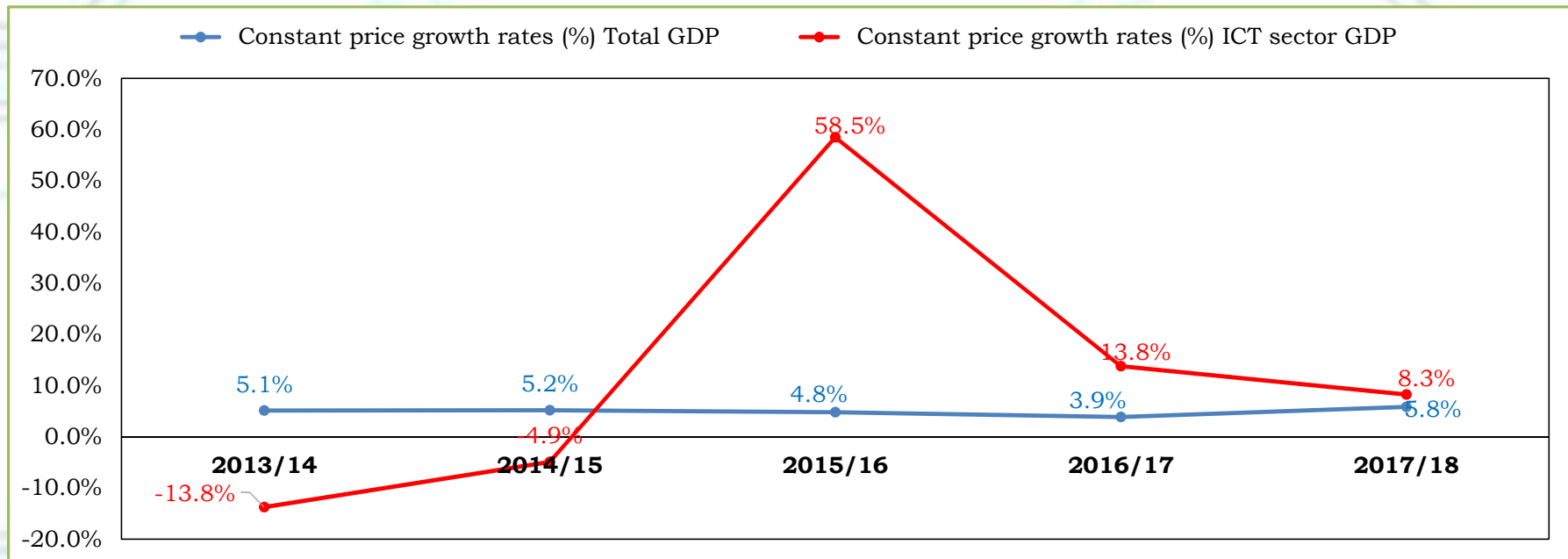
Contribution of ICT sector to the national GDP

The contribution of ICT sector activities to the real national GDP accounted for 9.8 percent in FY2017/18 compared to 9.6 percent in FY2016/17. In addition, the ICT sector activities contribution to nominal GDP improved from 2.2 percent in FY2016/17 to 2.6 percent in FY2017/18



Source: Uganda Bureau of Statistics

Real GDP growth rate



Source: Uganda Bureau of Statistics

ICT real GDP growth rate declined from 13.8 percent in the FY2016/17 to 8.3 percent in FY 2017/18 as that of national GDP grew from 3.9 percent to 5.8 percent respectively

Share of sub sectors on ICT GDP at Constant 2009/10 Prices

	2013/14	2014/15	2015/16	2016/17	2017/18
Industry share	0.02%	0.02%	0.02%	0.02%	0.02%
Manufacturing of computers (UGX billions)	0.518	0.534	0.796	0.861	0.941
Service share	99.98%	99.98%	99.98%	99.98%	99.98%
Information and Communication services (UGX billions)	3,242	3,083	4,818	5,493	5,929
Other Service Activities (UGX billions)	53.486	53.868	72.911	77.507	99.687
Postal and Courier services (UGX billions)	11.136	9.055	9.869	5.898	8.562
ICT GDP (UGX billions)	3,306.65	3,146.80	4,901.74	5,577.45	6,037.76

Percentage share of activities on ICT GDP at constant 2009/10 prices

Activity	2013/14	2014/15	2015/16	2016/17	2017/18
Telecommunications services	93.2%	92.9%	93.2%	94.5%	94.0%
Broadcasting and Programming services	3.4%	3.3%	2.8%	2.3%	2.7%
Repair of Computers and Personal and Household Goods service	1.6%	1.7%	1.5%	1.4%	1.7%
Audio-Visual Production and Distribution services	0.5%	0.7%	0.9%	0.7%	0.8%
Information Services	0.4%	0.4%	0.8%	0.7%	0.4%
Computer Programming, Consultancy and Related services	0.5%	0.7%	0.6%	0.3%	0.3%
Postal and Courier services	0.3%	0.3%	0.2%	0.1%	0.1%
Computer, Electronic and Optical Products	0.0%	0.0%	0.0%	0.0%	0.0%

Source: Uganda Bureau of Statistics

Trade in ICT goods

This section presents a summary of External Trade Statistics in formal ICT goods in Uganda shillings as shared by the Uganda Bureau of Statistics (UBOS). The compilation of External Trade Statistics is based on the General Trade System and coded according to HS2012 and the Standard International Trade Classification Revision Four (SITC Rev4) nomenclature.



Formal ICT export goods

During the FY2017/18, the total estimated formal ICT goods export earnings reduced to UGX 40.1 billion from UGX 82.3 billion in FY2016/17 translating into a decline of 51 percent. In addition, the contribution of the formal ICT goods export to the overall formal export earnings decreased from 0.8 percent in FY2016/17 to 0.4 percent in FY2017/18

	2013/14	2014/15	2015/16	2016/17	2017/18
Total value of ICT export goods (UGX Billions);	71.259	89.28	38.20	82.25	40.06
Percentage change in total value of ICT export goods	-79%	25%	-57%	115%	-51%
Total value of export goods (UGX Billions);	5,857.23	6,310.33	7,848.12	9,834.52	10,672.73
Percentage share of ICT export goods to Total value of export goods	1.2%	1.4%	0.5%	0.8%	0.4%

Source: Uganda Bureau of Statistics

Formal ICT import goods

The total estimated formal ICT goods imports bill in FY2017/18 increased from UGX 603.4billion in FY2016/17 to UGX 804.2billion translating into a 3.6 percent share to total formal goods import bill

	2013/14	2014/15	2015/16	2016/17	2017/18
Total value of ICT import goods (UGX Billions);	719.73	677.25	713.42	603.65	804.21
Total value of import goods (UGX Billions);	15,234.86	16,652.14	20,132.79	19,012.25	22,226.20
Percentage share of ICT import goods to Total value of import goods	4.7%	4.1%	3.5%	3.2%	3.6%

Source: Uganda Bureau of Statistics

ICT Sector Revenue Collections



This section includes information on the Gross Revenues (Includes all non-tax revenue) from the ICT sector.

ICT sector Gross Revenue Collections to Total Gross Revenue Collections



	2013/14	2014/15	2015/16	2016/17	2017/18
Total ICT revenue (UGX Billions)	752.4	918.3	974.7	974.3	946.4
Total revenue (UGX trillions)	8.4	10.1	11.5	12.9	14.7
Percentage share of ICT revenue to total revenue	9.0%	9.1%	8.5%	7.6%	6.5%

Source: Uganda Revenue Authority

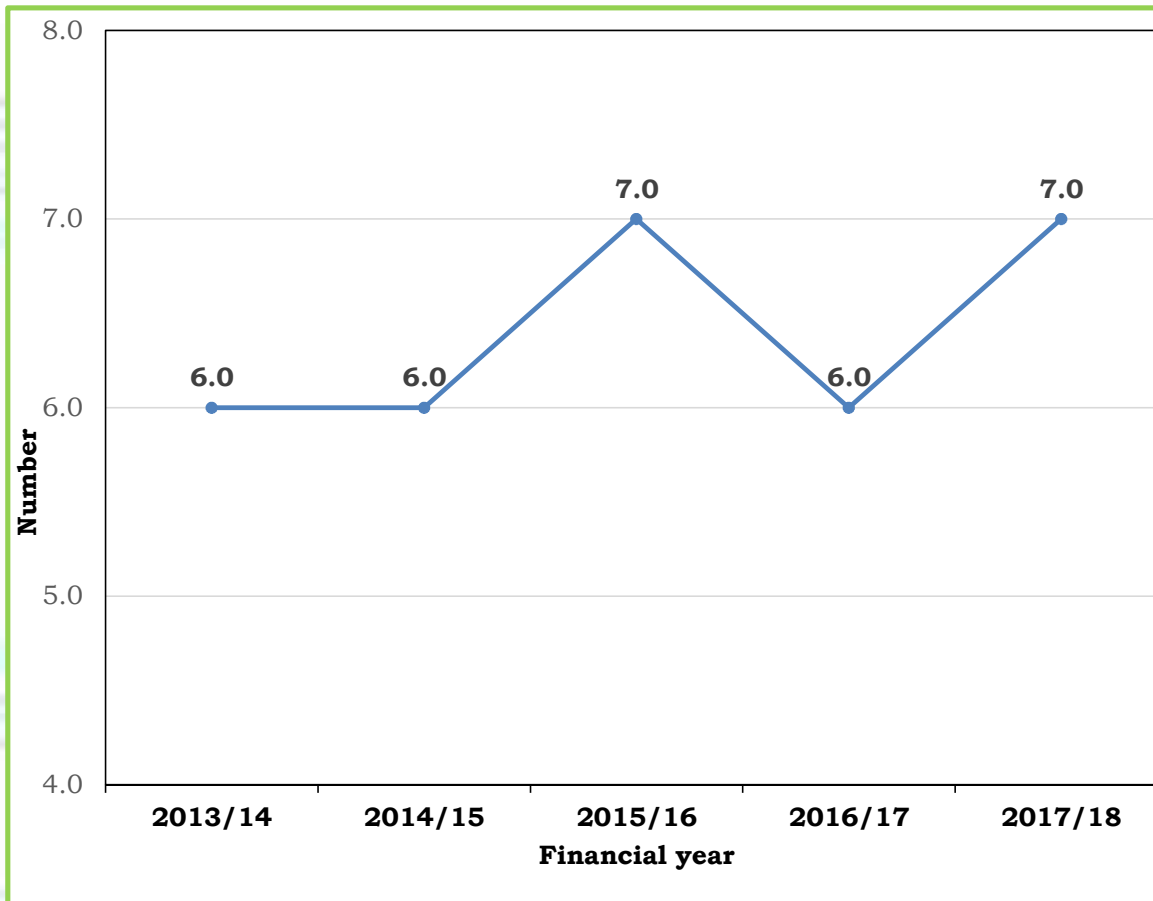
ICT sector Gross Revenue collections reduced by 3 percent from UGX 974.3 billion in the previous FY2016/17 to UGX 946.4 billion in FY2017/18. This resulted into a 6.5 percent contribution to the Total Gross Revenue collection in FY2017/18 compared to a 7.6 percent contribution in FY2016/17

ICT planned investment



This section contains information on the planned investment projects in ICT in Uganda. It contains statistics on licensed companies, planned capital investment and jobs.

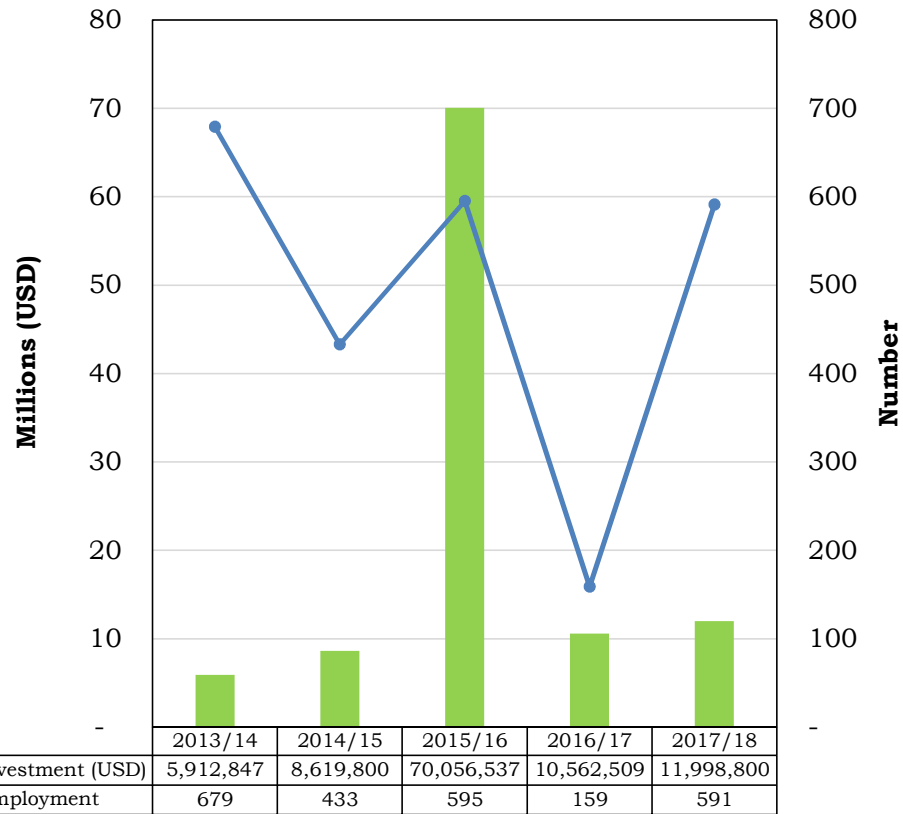
Number of licensed companies to carry out ICT projects/ services



Source: Uganda Investment Authority

Over the past five years, the average number of licensed companies to carry out investments in ICT related projects/services is six.

ICT planned capital investment (USD) and planned employment



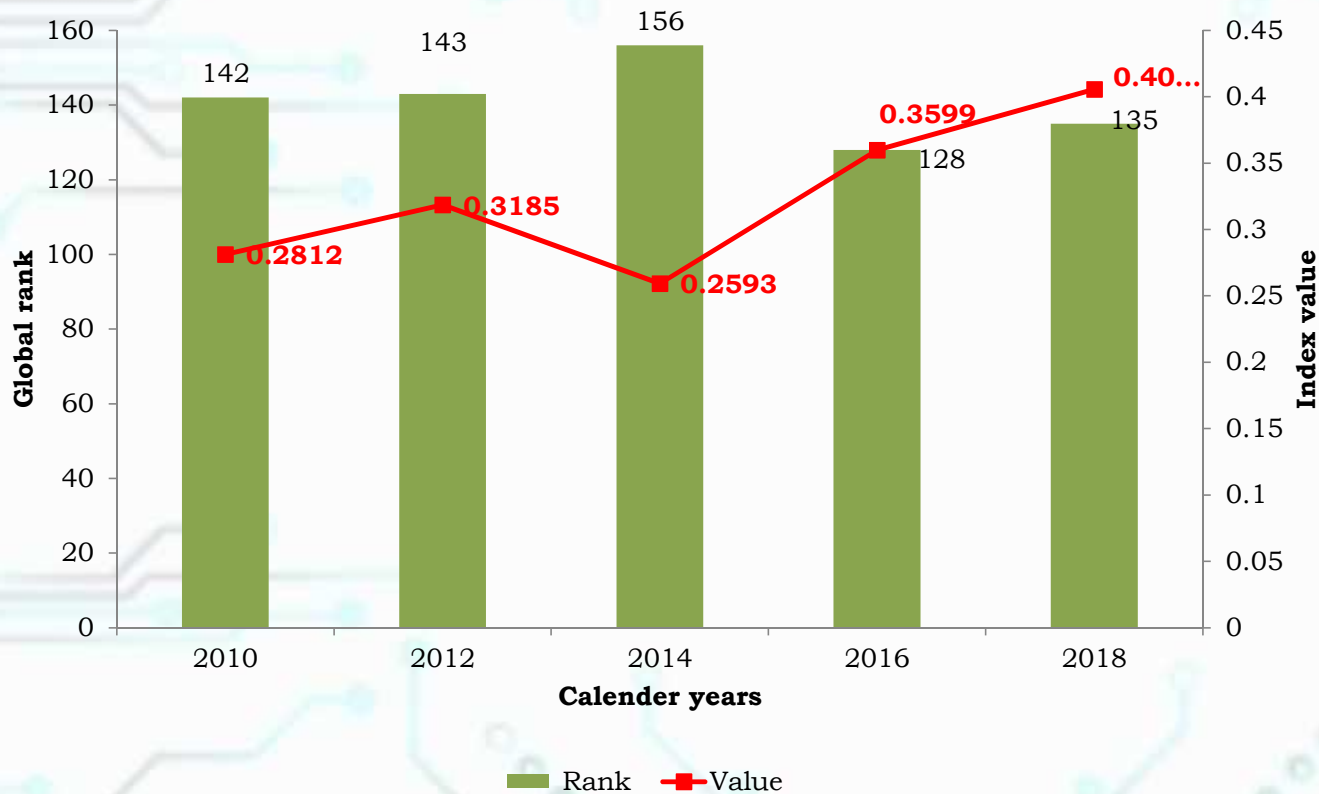
The total number of planned jobs to serve in ICT investments improved from 159 in FY2016/17 to 591 in FY2017/18. Furthermore, there was an increase of 14 percent in the ICT planned capital investment from USD10.6million in FY2016/17 to about USD12million in FY2017/18 compared to a decline of 85 percent in the planned capital investment from USD70.1million in FY2015/16 to USD10.6 million in FY 2016/17

Source: Uganda Investment Authority

UGANDA'S ICT RANKINGS ON THE GLOBAL SCALE



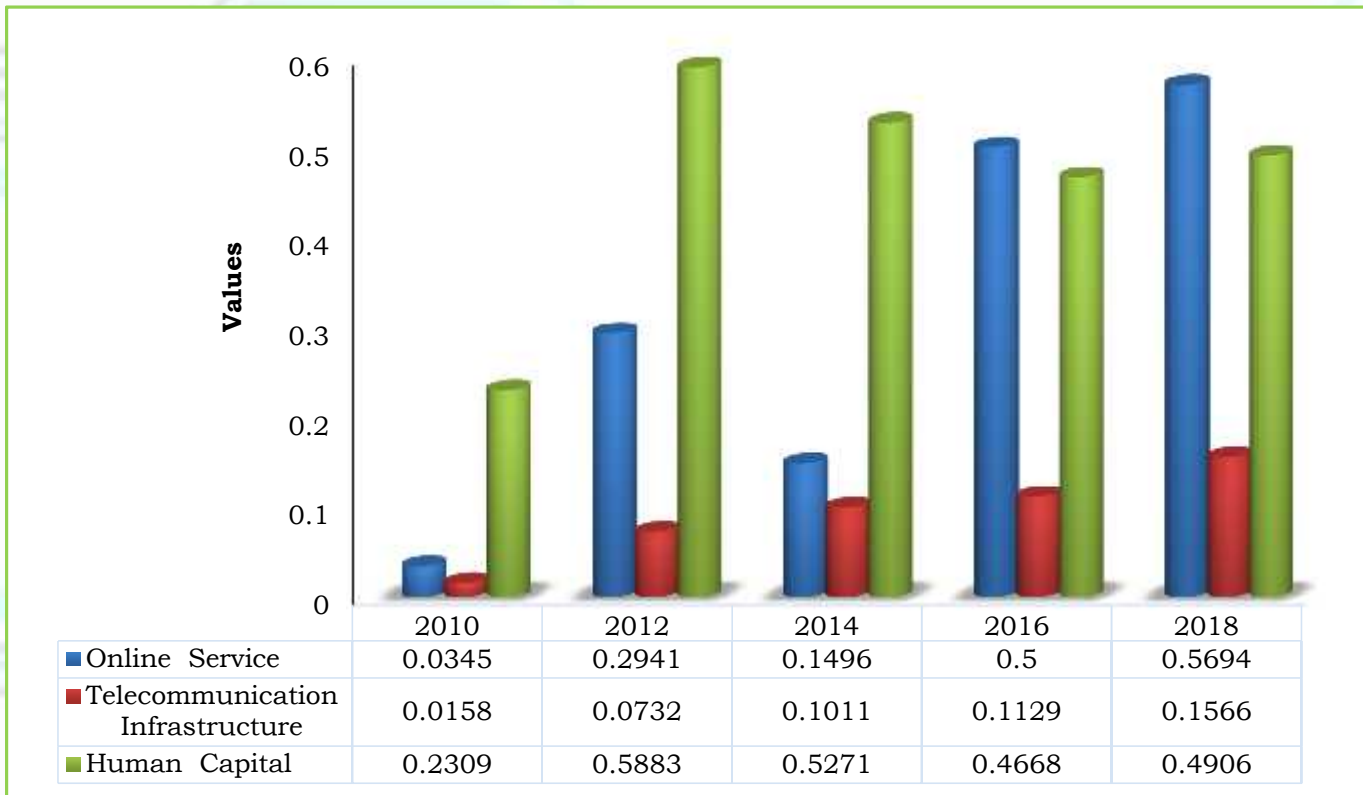
Uganda's e-government Index



Source: UN E-Government Survey Reports

The e-government status for Uganda was estimated at 36 percent which is above the African average of 34 percent. Out of 193 UN member states, Uganda ranked the 135th in 2018 compared to a rank of 128th in 2016

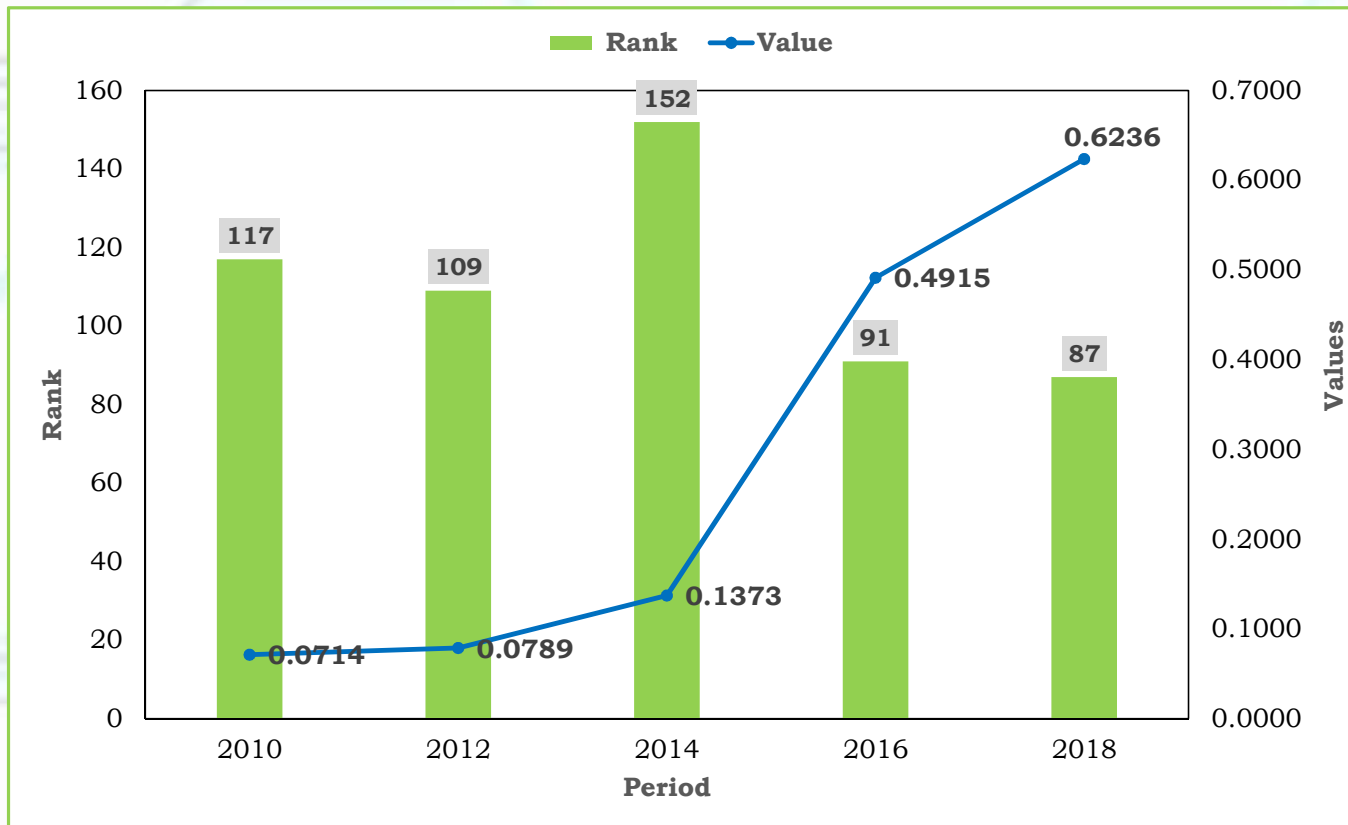
Uganda's E-government ranking by components



Source: UN E-Government Reports

Uganda's online service index improved from 50 percent in 2016 to 57 percent in 2018 putting the country in the high online service index bracket. In addition, Telecommunication Infrastructure status is estimated at 15.7 percent in 2018 from 11.2 percent in 2016 and Human Capital component improved from 46.7 percent in 2016 to 49.1 percent in 2018.

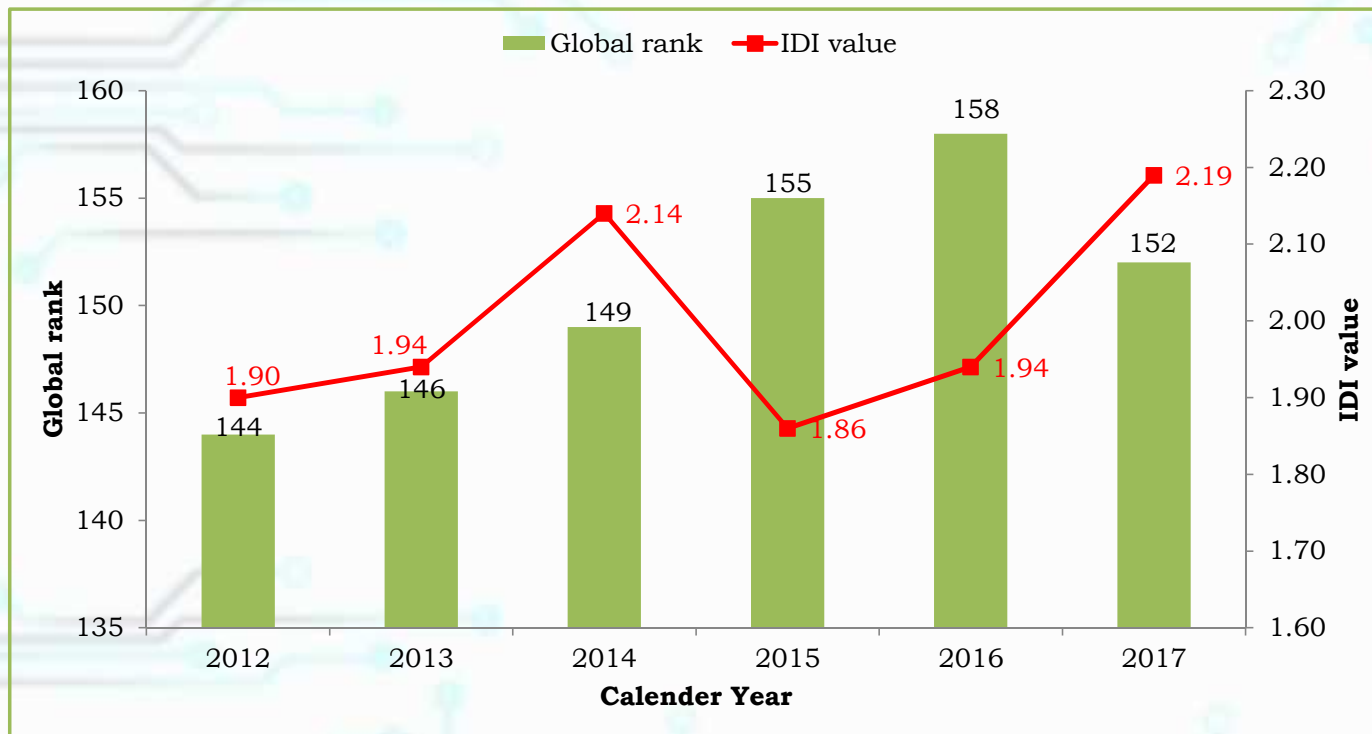
E-Participation Index



Source: UN E-Government Reports

In 2018, Uganda ranked the 87th out of 193 countries in e-participation, up from position 91 in 2016. The e-Participation Index improved from 0.4915 in 2016 to 0.6236 out of 1.0000 in 2018

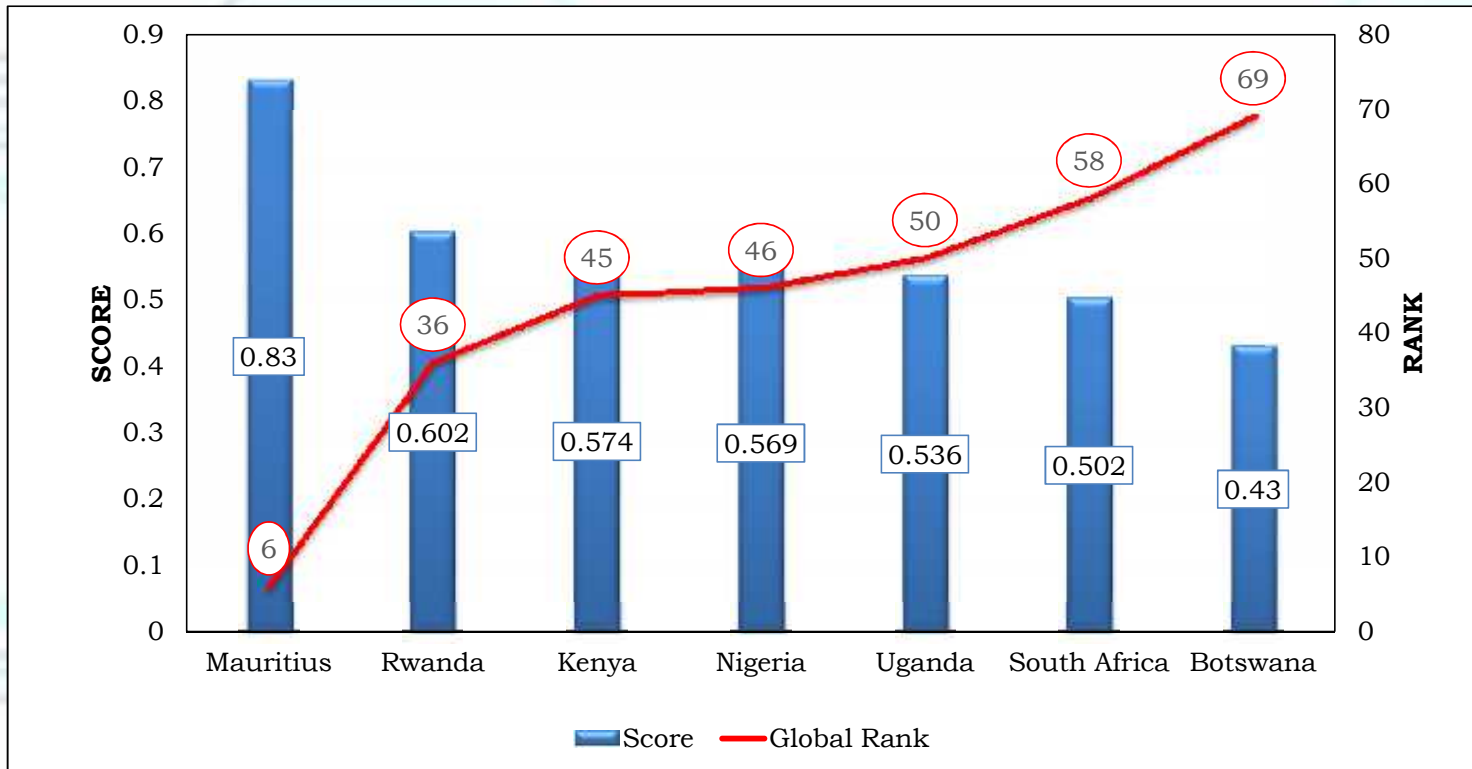
Uganda's ICT Development Index



Source: Measuring Information Society reports by ITU

Uganda improved by six positions from rank 158 in 2016, to rank 152 out of 176 countries in 2017. The IDI value also improved from 1.9 in 2016 to 2.19 on a scale of 1 to 10

Uganda's Cybersecurity Index in the Africa Region



Out of the 193 member states assessed globally in 2017, Uganda ranked the 50th with a score of 0.536

Source: Global Cybersecurity Index report by ITU