Section 3: Information and Communications Technology Sector

S1: Sector Overview

This section provides an overview of Sector Expenditures and sets out the Sector's contribution to the NDP, its policy objectives, and key performance issues.
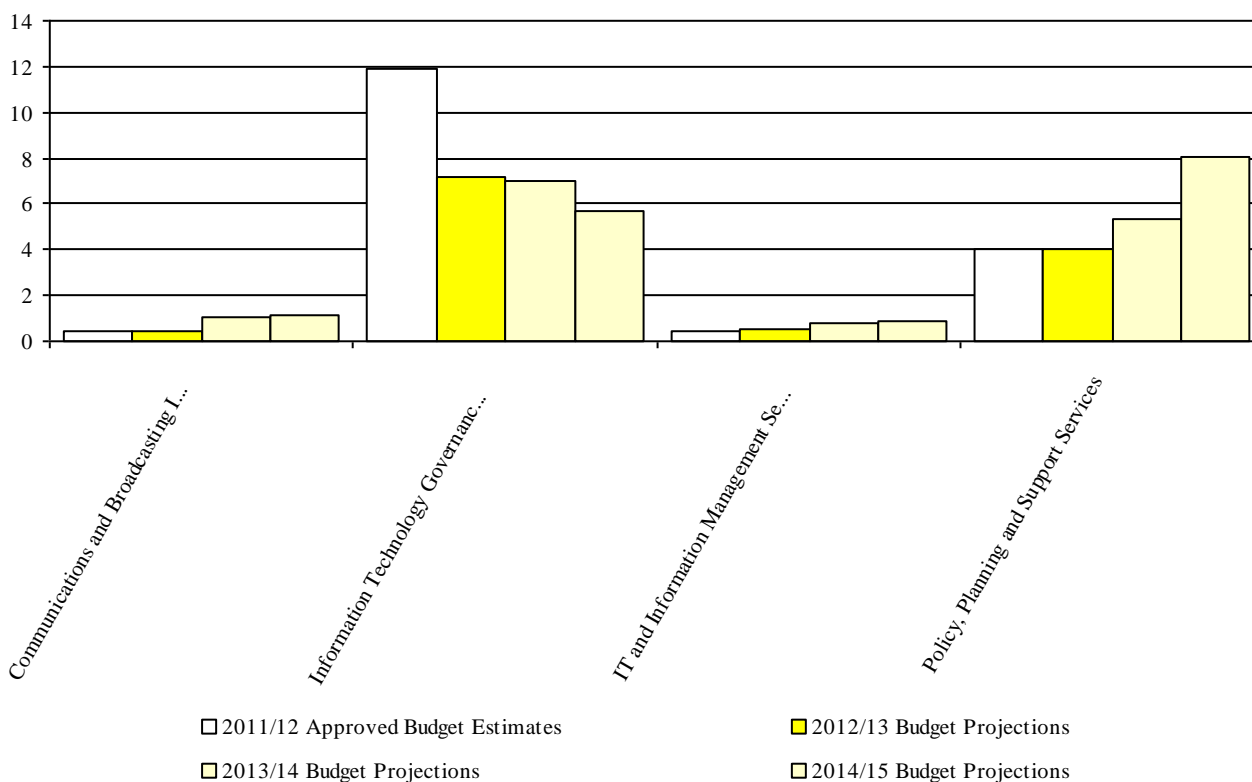
(i) Snapshot of Sector Performance and Plans*

Table S1.1 and Chart S1.1 below summarises the Medium Term Budget allocations for the Sector:

Table S1.1: Overview of Sector Expenditures (UShs Billion, excluding taxes and arrears)

| | | 2010/11 Outturn | 2011/12 | | MTEF Budget Projections | | |
			Approved Budget	Spent by End Dec	2012/13	2013/14	2014/15
Recurrent	Wage	0.646	0.677	0.000	0.778	0.902	1.061
	Non Wage	2.419	4.193	0.000	4.193	4.788	5.271
Development	GoU	10.296	7.247	0.000	7.248	8.552	9.450
	Donor**	0.000	0.000	0.000	0.000	0.000	0.000
GoU Total		**13.362**	**12.117**	**0.000**	**12.219**	**14.243**	**15.783**
Total GoU+Donor (MTEF)		**13.362**	**12.117**	**0.000**	**12.219**	**14.243**	**15.783**
Non Tax Revenue		*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
Grand Total		**13.362**	**12.117**	**0.000**	**12.219**	**14.243**	**15.783**

* *Excluding Taxes and Arrears*

Chart S1.1: Medium Term Budget Projections by Vote Function (UShs Billion)*

□ 2011/12 Approved Budget Estimates   □ 2012/13 Budget Projections

□ 2013/14 Budget Projections   □ 2014/15 Budget Projections

* *Excluding Taxes and Arrears*

Section 3: Information and Communications Technology Sector

(ii) Sector Contributions to the National Development Plan

In line with NDP thematic objectives, ICT acts as an enabler of modernization and reforms in all the NDP thematic Objectives. More specifically, ICT has facilitated equitable access to information locally, nationally and internationally thus enhancing good governance and improve human security, Promoting innovations and competiveness to mention but a few.

(iii) Medium Term Sector Policy Objectives

The sector objectives which guide medium term outputs and resource allocations are:

1. To increase geographical coverage and tele-density of telecommunications services with a high quality of service;

2. To have in place a balanced and coordinated national and regional communications infrastructure;

3. To promote equitable access to affordable and innovative communication services with specific emphasis on rural areas;

4. To establish and enforce a regulatory framework that promotes the development of the sector;

5. To provide affordable and accessible postal services countrywide;

6. To provide high quality broadcasting infrastructure countrywide;

7. To promote use of information technologies in all spheres of life to enhance efficiency and effectiveness;

8. To provide high quality market-driven and sustainable training, research and consultancy services that support the ICT sector.

(iv) Summary of Sector Performance

The status of the sector in terms of its three priority sector outcomes is set out below:

Outcome 1: Improved ICT Governance.

The outcome aims at development and implementation of Policies, Laws and Regulations for the ICT sector, establishment and overseeing the operations of the sector's Institutional governing bodies, such as Uganda Communications Commission (UCC), Broadcasting Council (BC), Uganda Posts Limited (UPL), and National Information Technology Authority (NITA-U). As an Indicator to the good governance of the ICT sector in Uganda, the sector aims at achieving a 5% target in Foreign Director Investment in ICT in FY2011/12 compared to the current 3% (baseline 2008).

Outcome 2: Improved access and utilisation of quality and affordable ICT resources and services in all spheres of life.

The Outcome aims at delivery of quality and affordable ICT resources and services to both the Private sector and Government in the related fields of health (e-health), education (e-education), governance (e-government services), agriculture, elections, security and penetration of ICT resources and services to household, institutional and individual through coverage and infrastructure (both Private and Public), Service development - (RCDF, NBI, BPO) and Pricing of these resources and services. As an Indicator to increased access and utilisation of ICT resources the sector targets to increase the mobile phone penetration from 27%(Baseline 2007) to 30% in FY 2011/12, it also targets to achieve 30% and 40% proportion of households with TV's and Radios respectively.

Section 3: Information and Communications Technology Sector

Outcome 3: Promote ICT business to enhance employment, income and growth.

The outcome aims at enhancing ICT business as reflected from its contribution towards GDP, Employment (direct and indirect/ Formal and Informal), e-commerce (BPO, trade exports software and hardware, Money banking-Msente), Government Tax contribution, ICT as an enabler- in the business sense, as used in water and energy bills payment. At this, the sector targets a 10% foreign exchange earning from ICT products and services, Increase of the business workforce in ICT from 137,000 individuals (baseline 2007) to 200,000 by end of FY2011/12. The sector also aims at increasing its share capital contribution to GDP from 4% (baseline 2008) to 8% by end of FY 2011/12.

S2: Sector Performance and Plans to Improve Sector Outcomes

This section describes past performance and plans to improve sector outcomes. For each outcome it sets out outcome indicators, key sector outputs and actions to improve sector performance. It then sets out analysis of the efficiency of sector allocations and major capital investments.

(i) Outcome 1: Improved ICT Governance.

Status of Sector Outcomes

The table below sets out the status of sector outcomes in terms of key sector outcome indicators.

Table S2.1: Sector Outcome Indicators

Performance for the first half of the 2011/12 financial year

NITA-U operationalised, Cyber bills assented to by H.E the President, Principle Guidelines to the harmonisation of the Electronic Media Act and communications Act Developed and submitted to Cabinet, Analog to Digital migration Policy before Cabinet, Cabinet memo for IT policy developed and Submitted to Cabinet, Postal Policy before Cabinet, E-Government Policy Framework cabinet memo submitted, First draft of Telecom Policy Developed.

Table S2.2: Key 2012/13 Outputs Contributing to the Sector Outcome*

Outcome 1: Improved ICT Governance.			
		2011/12	**2012/13**
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**Spending and Outputs Achieved by End Dec**	**Proposed Budget and Planned Outputs**
Vote: 020 Ministry of Information & Communications Tech.			
Vote Function:0501 IT and Information Management Services			
Output: 050101	**Enabling Policies,Laws and Regulations developed**		
Description of Outputs:	Develop and Disseminate information Security strategy. Operationalize the cyber laws including development of regulations.	Mechanism for coordination of national Information Security developed Instrument for establishment of Directorate of Information Security and Assurance under NITA-U drafted	
Performance Indicators:			
Status of ICT Regulations			
Status of ICT policies	good		good
Status of ICT Laws			
Output Cost (UShs bn):	*0.146*	*0.000*	*0.146*
Output: 050102	**E-government services provided**		

Section 3: Information and Communications Technology Sector

Outcome 1: Improved ICT Governance.			
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**2011/12** **Spending and Outputs Achieved by End Dec**	**2012/13** **Proposed Budget and Planned Outputs**
Description of Outputs:	Implementation and coordinate roll out of e-government master plan. Technical guidance and monitoring provided to all MDAs Implementation of Information security strategy	Roll out of Unified communication in MoICT coordinated Technical guidance provided to : UNEB, UBTEB, MoPS/Civil Service College, MUK, MoD/UPDF,	
Output Cost (UShs bn):	*0.135*	*0.000*	*0.148*
Vote Function:0502 Communications and Broadcasting Infrastructure			
Output:050201	**Policies, Laws and regulations developed**		
Description of Outputs:	Broadcasting policy reviewed; Electronic Media Communications and Broadcasting Infrastructure management policy developed. Spectrum Management Policy Developed National Postcode and Addressing system strategy.	Draft Harmonized Bill submitted to Cabinet and approved.	
Output Cost (UShs bn):	*0.154*	*0.000*	*0.154*
Output:050202	**Sub-sector monitored and promoted**		
Description of Outputs:	Implementation and coordinate roll out of e-government master plan. Consumer education and Awareness in migration process carried out; Develop guidelines for licensing digital broadcasting. Technical supervision provided	Implementation road map of the Digital Migration Policy developed Implementation of Analogue to Digital Broadcasting Migration Policy has commenced Draft Master Plan for implementation of Digital Migration for the entire country developed	
Performance Indicators:			
% of resolutions from ICT monitoring reports and awareness campaigns implemented	2	1	2
Output Cost (UShs bn):	*0.136*	*0.000*	*0.136*
Vote Function:0503 Information Technology Governance Services(NITA-U)			
Output:050301	**A harmonised and coordinated National Information Technology Systems developed**		

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Outcome 1: Improved ICT Governance.			
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**2011/12 Spending and Outputs Achieved by End Dec**	**2012/13 Proposed Budget and Planned Outputs**
Description of Outputs:	Financial Management & Accounting Systems Developed and Implemented.	Drafts of manuals of HR, Procurement and F&A produced and reviewed	
	Procurement Management Support Systems Developed and Implemented		
	Internal Human Resource Management and Development Support Systems Developed and Implemented		
Output Cost (UShs bn):	0.104	0.000	0.104
Output: 050304	**Technical Support on e-Government and e-Commerce provided**		
Description of Outputs:	Maintenance of and logical support to NBI/EGI Infrastructure	Implementation Plan for Phase III developed	
	Commercializing of the NBI.	Developed ToRs and initiated procurement for firm to supervise Phase III	
	Information Technology support services provided for the implementation of the NSIS	90% FTA completed	
Performance Indicators:			
No. of Gov't Institutions operating E-Gov't Services	20	3	27
No. of Gov't Instituitons operating E-Gov't Services (voice data and video conferencing)	10	5	27
IT security work base created in Government	yes	Yes	yes
Output Cost (UShs bn):	0.974	0.000	0.974
Output: 050351	**E-Government ICT Policy Implementation (NITA - U)**		
Description of Outputs:		An E-Govt E-readiness survey conducted	
		Survey on connectivity and internet usage in MDAs conducted	
		Survey on rationalization of IT systems in MDAs conducted	
Performance Indicators:			
Access to e-government services provided		1	
Output Cost (UShs bn):	2.561	0.000	2.561

* Excludes taxes and arrears

2012/13 Planned Outputs

Develop Country Code Top level Domain Policy, Develop an implementation plan for IT policy, Continue the process of establishing CERT and Restructure IT function across government, Develop and Disseminate Information Security strategy, Operationalize the cyber laws including development of regulations, Implement and operationalise the E-government Policy framework, Develop and disseminate ICT sector

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standards and guidelines. Develop and disseminate ICT business strategy, Operationalisation of the E-waste policy, IMS policy implementation plan developed. Broadcasting Policy reviewed. Electronic Media Communication and Broadcasting Infrastructure Management Policy developed, Spectrum management Policy developed, National Postcode and Addressing system strategy developed.

Medium Term Plans

Develop Country Code Top level Domain Policy, IT policy, an implementation plan for IT policy, Continue the process of establishing CERT and Restructure IT function across government, Develop and Disseminate Information Security strategy, Operationalize the cyber laws including development of regulations, Implement and operationalise the E-government Policy framework, Develop and disseminate ICT sector standards and guidelines. Develop and disseminate ICT business strategy, Operationalisation of the E-waste policy, IMS policy implementation plan developed. Broadcasting Policy reviewed, Electronic Media Communication and Broadcasting Infrastructure Management Policy developed, Spectrum management Policy developed, National Postcode and Addressing system strategy developed, National Information Technology Planning and Monitoring Services.

Actions to Improve Outcome Performance

Critical to the improvement in performance of the ICT sector towards achievement of this outcome is the effective and efficient policies, laws and regulatory development process both within the sector and other players like Cabinet and Parliament in regards to turn around time, and availability of the necessary resources both human and financial to carry out the planned activities.

Table S2.3: Actions and Medium Term Strategy to Improve Sector Outcome

Sector Outcome 1: Improved ICT Governance.			
2011/12 Planned Actions:	**2011/12 Actions by Dec:**	**2012/13 Planned Actions:**	**MT Strategy:**
Vote: 020 Ministry of Information & Communications Tech.			
Vote Function: 05 01 IT and Information Management Services			
Implement and operationalise the E-government Policy framework. Develop and disserminate ICT sector standards and guidelines. Develop and disserminate ICT business strategy. Develop an implementation plan for the IT Policy.	Process of formulating the CERT by the National Security Information Working .Group is ongoing and draft strategy of establishing CERTdeveloped.	Hasten the Policy/Laws formulation process specifically the UCRA bill so as to have a condusive Policy and Regulatory enviroment	ICT Policy Framework Developed
Implementation and coordinate roll out of e-government master plan.	BPO implementation plan developed.	Coordinate and Carryout M&E on the implementation of the Framework to institutionalise ICT functions across MDAs and LGs	Set up the Units; Build Capacity for ICT personnel across government; Provide technical support supervision.
Vote Function: 05 02 Communications and Broadcasting Infrastructure			
Electronic media act and Communications Act harmonised	Draft harmonisation report in place	Developing the UCRA bill	Establish harmonised (converged) regulatory Entity
Develop and implement Communications & Broadcasting Infrastructure management policy and Spectrum Management Policy Develop guidelines for licensing digital broadcasting.	Draft digital broadcasting policy in place A strategy for migration from analogue to digital broadcasting in place.	Developing the UCRA bill	Carry out studies in related field to inform policy;

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Sector Outcome 1: Improved ICT Governance.			
2011/12 Planned Actions:	**2011/12 Actions by Dec:**	**2012/13 Planned Actions:**	**MT Strategy:**
Vote Function: 05 49 Policy, Planning and Support Services			
Procurement process for strategic plan on going. Draft ICT Policy framework in place, plans to have further consultations are under way. Draft analogue policy in place.	Procurement process for strategic plan on going. Draft ICT Policy framework in place, plans to have further consultations are under way. Draft analogue policy in place. Cabinet Memo prepared.	Advocate for increased funding to the Sector and seek supplementary means of funding of planned activities in addition to the Consolidated Fund	Attract and lobby for Donor Funding to the Proposed Programmes and Projects

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(ii) Outcome 2: Improved access and utilisation of quality and affordable ICT resources and services in all spheres of life.

Status of Sector Outcomes

The table below sets out the status of sector outcomes in terms of key sector outcome indicators.

Table S2.1: Sector Outcome Indicators

Outcome 2: Improved access and utilisation of quality and affordable ICT resources and services in all spheres of life.			
Outcome and Outcome Indicator	**Baseline**	**2012/13 Target**	**Medium Term Forecast**
Proportion of households with a TV.	25 (2008)	30	45 (2013)
Proportion of households with a radio.	30 (2008)	40	50 (2013)
No. of e-government applications and services in operarion	2 (2008)	8	10 (2013)
% Mobile phone penetration	27% (2008)	30	40 (2012)

Performance for the first half of the 2011/12 financial year

Technical Guidance was provided to UNEB, Ministry of Public Service, UBOS (Community Information Systems), National IT Authority, Ministry of Defense on the use of ICT, Monitoring done of the e- projects (HiWEL, ToRs of task force to oversee the migration process drawn and 4 digital migration pilot projects namely UBC, Star Times TV, Mo TV and Next Generation TV have been coordinated and monitored. National steering committee on digital migration and the digital migration task force established, ToRs for public relation management drawn, Procurement of public relation agency has been initiated and Continued Consumer Awareness carried out from Q1 to Q2. (PAeN)

Technical support to Nakaseke wireless IP network provided and monitoring done, further technical support provided to Police and other Security Agencies on Expansion of TETRA, CCTV and Call Center, benchmarking with other countries Mexico, Tanzania, china, South Africa achieved and quarterly monitoring carried out, Specifications for services and equipment for the postal code developed and project team setup.

Supervision of Phase II optical fibre laying undertaken by NITA-U staff, -1050km of fibre Optic Cable off the planned 1477km, Supervision of installation of back up equipment in 27 Ministries and Dep't; ToRs for Forensic Technical Audit developed reviewed and updated. ToRs for Data Centre Standards developed Site identification and assessment process undertaken and site for primary data center identified, designs updated and civil works have commenced. ToRs for new DBICs sites developed, Selection criteria for DBICs sites updated and 4 new DBICs sites identified. Monitoring of existing DBICs sites undertaken in particular 2 DBICs sites (Busia and Iganga) visited and monitored under Q2 Engagement with UNIDO to review functionality of DBICs.

Negotiations for harmonizing the DBICs projects with UCC and Posta Uganda initiated. ToRs for the training of DBICs managers developed and the procurement of the training initiated. Financing agreement for the counterpart funding of the BPO incubation center with UCC drafted. BPO roadmap developed. BPO stakeholder analysis undertaken; ToRs for BPO standards developed; ToRs for BPO model and strategy for developed; Draft cabinet memo on BPO presented; Internal BPO workshop held to review and develop BPO strategy

Table S2.2: Key 2012/13 Outputs Contributing to the Sector Outcome*

Outcome 2: Improved access and utilisation of quality and affordable ICT resources and services in all spheres of life.			
		2011/12	**2012/13**
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**Spending and Outputs Achieved by End Dec**	**Proposed Budget and Planned Outputs**
Vote: 020 Ministry of Information & Communications Tech.			
Vote Function:0501 IT and Information Management Services			
Output: 050102	**E-government services provided**		

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Outcome 2: *Improved access and utilisation of quality and affordable ICT resources and services in all spheres of life.*			
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**2011/12 Spending and Outputs Achieved by End Dec**	**2012/13 Proposed Budget and Planned Outputs**
Description of Outputs:	Implementation and coordinate roll out of e-government master plan.	Roll out of Unified communication in MoICT coordinated	
	Technical guidance and monitoring provided to all MDAs Implementation of Information security strategy	Technical guidance provided to : UNEB, UBTEB, MoPS/Civil Service College, MUK, MoD/UPDF,	
Output Cost (UShs bn):	*0.135*	*0.000*	*0.148*
Output:050105	**Human Resource Base for IT developed**		
Description of Outputs:	Continue discussions on syllabus in primary and secondary schools; and tertiary institutions.	Continued discussions on school syllubus on going till Q4	
Output Cost (UShs bn):	*0.073*	*0.000*	*0.073*
Vote Function:0502 Communications and Broadcasting Infrastructure			
Output:050201	**Policies, Laws and regulations developed**		
Description of Outputs:	Broadcasting policy reviewed; Electronic Media Communications and Broadcasting Infrastructure management policy developed. Spectrum Management Policy Developed National Postcode and Addressing system strategy.	Draft Harmonized Bill submitted to Cabinet and approved.	
Output Cost (UShs bn):	*0.154*	*0.000*	*0.154*
Output:050202	**Sub-sector monitored and promoted**		
Description of Outputs:	Implementation and coordinate roll out of e-government master plan. Consumer education and Awareness in migration process carried out; Develop guidelines for licensing digital broadcasting. Technical supervision provided	Implementation road map of the Digital Migration Policy developed Implementation of Analogue to Digital Broadcasting Migration Policy has commenced Draft Master Plan for implementation of Digital Migration for the entire country developed	
Performance Indicators:			
% of resolutions from ICT monitoring reports and awareness campaigns implemented	2	1	2
Output Cost (UShs bn):	*0.136*	*0.000*	*0.136*
Output:050203	**Logistical Support to ICT infrastructure**		

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Outcome 2: Improved access and utilisation of quality and affordable ICT resources and services in all spheres of life.			
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**2011/12 Spending and Outputs Achieved by End Dec**	**2012/13 Proposed Budget and Planned Outputs**
Description of Outputs:	Promote establishment of Digital Broadcasting Infrastructure. Support Data Casting initiatives. Establishing of Broadcasting Infrustructure for last mile solution. Establishing of Broadcasting Infrastructure for digital out of home (DooH).	Implementation road map of the Digital Migration Policy developed Implementation of Analogue to Digital Broadcasting Migration Policy has commenced Draft Master Plan for implementation of Digital Migration for the entire country developed	
Performance Indicators:			
Status of the National Postal Code Addressing System		1	
Status of the Digital migration process		1	
Output Cost (UShs bn):	0.145	0.000	0.178
Vote Function:0503 Information Technology Governance Services(NITA-U)			
Output:050304	**Technical Support on e-Government and e-Commerce provided**		
Description of Outputs:	Maintenance of and logical support to NBI/EGI Infrastructure Commercializing of the NBI. Information Technology support services provided for the implementation of the NSIS	Implementation Plan for Phase III developed Developed ToRs and initiated procurement for firm to supervise Phase III 90% FTA completed	
Performance Indicators:			
No. of Gov't Institutions operating E-Gov't Services	20	3	27
No. of Gov't Instituitons operating E-Gov't Services (voice data and video conferencing)	10	5	27
IT security work base created in Government	yes	Yes	yes
Output Cost (UShs bn):	0.974	0.000	0.974
Output:050305	**Communication Infrastructure Network established in Uganda**		

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		2011/12	2012/13
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**Spending and Outputs Achieved by End Dec**	**Proposed Budget and Planned Outputs**
Outcome 2: Improved access and utilisation of quality and affordable ICT resources and services in all spheres of life.			
Description of Outputs:	Design and pilot District Business Information Centres (DBICs) basing on the new Model & Strategy	Installation in Rakai and Hoima has been completed as MOU with Posta-Uganda is being finalized	
	National Backbone & e-Government Infrastruture Extended, Operationalized and Maintained	Board Paper on the DBICS sites for FY11/12 developed awaiting approval The sites rolled out constantly monitored & maintained	
Performance Indicators:			
Status of the NBI Project	20	3	40
Institutional data access points of speed not less than 256 kps		1	
Status on the Commercialisation of the National Optic Fibre Cable		2	
Output Cost (UShs bn):	2.980	0.000	3.085

* Excludes taxes and arrears

2012/13 Planned Outputs

Providing policy guidance on BPO activities within and out of the country, Support BPO activities, Implement ICT business strategy, Technical guidance and monitoring provided to all MDAs. Coordinate regional and international e-projects (HiWEL, PAeN), Implement and coordinate roll out of e-government master plan, Promote/support PPP to provide "last mile" connection, Implementation of Information Security Strategy, Develop and disseminate ICT sector standards and guidelines, Disseminating and providing technical support supervision to the MDAs and the private sector, Operationalisation of the E-waste policy, Promote software production and development.

Promote content Development and Dissemination, Capacity building for IT human resource in government. Implementation and coordinate roll out of e-government master plan, R&D in ICT, Promote, coordinate and monitor Data casting., Monitoring and coordination of Digital out of Home (DooH), Implementation of Analogue to Digital Migration coordinated and monitored.

Consumer education and Awareness in migration process carried out; Develop guidelines for licensing digital broadcasting, Implementation of Analogue to Digital Migration coordinated and monitored, Consumer education and Awareness in migration process carried out, Develop guidelines for licensing digital broadcasting.Conduct a Forensic Technical Audit on Phase II of the NBI/EGI Project,Extension of the NBI/EGI Infrastructure (Phase III),Commercialization of the NBI (Procure a Partner through PPP), Develop an alternative route to the sea cable (Optical Fibre Optic Cable to Mutukula - Phase iV), Deployment/Rollout of more VOIP Sites,Develop a District Business Information Centres (DBICs) Model & Strategy,Design and pilot District Business Information Centres (DBICs) basing on the new Model & Strategy.

 A National Population Databank Implemented & Maintained,Setting up & operationalising the NSIS Sectretariat, Country Code Top-level Domain (CCTLD) Management, Internet Protocol Version 6 (IPV6) Implementation, e-Waste Management Implementation, Collaboration Software for eGovernment Infrastructure, e-Government Shared Services deployed, Conduct a National e-Readiness Assessment study, Development of an IT Data Collection, Analysis, Reporting and Dissemination Framework & Tool, Operationalising the Cyber laws, Conduct an IT Capacity Building Needs Assessment, Develop SLA

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frameworks.

Medium Term Plans

Extension of the NBI/EGI Infrastructure (Phase III), Commercialization of the NBI (Procure a Partner through PPP), Develop an alternative route to the sea cable (Optical Fibre Optic Cable to Mutukula - Phase iV), Maintenance of and logical support to NBI/EGI Infrastructure, Deployment/Rollout of more VOIP Sites, Develop a District Business Information Centres (DBICs) Model & Strategy, Design and pilot District Business Information Centres (DBICs) basing on the new Model & Strategy.

A National Population Databank Implemented & Maintained, Operationalising the NSIS Secretariat, Country Code Top-level Domain (CCTLD) Management, Internet Protocol Version 6 (IPV6) Implementation, e-Waste Management Implementation, Collaboration Software for e-Government Infrastructure, e-Government Shared Services deployed, Awareness/Sensitization on NSIS, Standardization and certification of Government IT Services, Information Technology Research & Innovation and Data Collection Services, operationalising the cyber laws, National Information Technology Human Development & Capacity Building Services established, Develop e-Government portal, Develop SLA frameworks,

Actions to Improve Outcome Performance

Critical to the ICT sectors performance towards achieving this outcome is ICT infrastructure development as seen with the implementation of the NBI, setting up of DBICs, RCDF, BPO promotion, Rollout of VOIP sites, migration to IPV6, e-government shared services, Coordination of e-projects, Spectrum management and development of the Human Capital in the ICT sector.

Table S2.3: Actions and Medium Term Strategy to Improve Sector Outcome

Sector Outcome 2: Improved access and utilisation of quality and affordable ICT resources and services in all spheres of life.			
2011/12 Planned Actions:	**2011/12 Actions by Dec:**	**2012/13 Planned Actions:**	**MT Strategy:**
Vote: 020 Ministry of Information & Communications Tech.			
Vote Function: 05 03 Information Technology Governance Services(NITA-U)			
Conduct a Forensic Technical Audit on Phase II of the NBI/EGI Project Extension of the NBI/EGI Infrastructure (Phase III)	Site identification and assessement process undertaken and site for primary data center identified, designs updated and civil works have commenced.	Initiation of Phase III of the NBI	Complete Commercialisation of the National Backbone Optic fibre
Set up a Project Management Office (PMO) that will develop a framework, model and process to provide support to all IT NITA-U related Projects Monitoring & Evaluation of National IT Projects and Initiatives	ToRs for conducting an e-government readiness survey and development of national e-government plan developed.	Developement and Implementation of the National Information Security Strategy, establishment of CERT, CCTLD and implementation of the Cyber Laws	Establishment of a National Information Security Directorate under NITA-U
Vote Function: 05 49 Policy, Planning and Support Services			
Submitted vacant posts for recruitment to PSC	Submitted vacant posts for recruitment to PSC	Engage MoFPED and URA in revision of the levied taxes on ICT imported material	Promote the local content on the manufacturing of the demanded ICT Materials through establishment of the Business Parks.

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(iii) Outcome 3: Promote ICT business to enhance employment, income and growth.

Status of Sector Outcomes

The table below sets out the status of sector outcomes in terms of key sector outcome indicators.

Table S2.1: Sector Outcome Indicators

Outcome 3: Promote ICT business to enhance employment, income and growth.			
Outcome and Outcome Indicator	**Baseline**	**2012/13 Target**	**Medium Term Forecast**
Share of ICT sector contribution to GDP.	4 per year (2008)	8	12 (2012)
Proportion of business workforce in ICT sector	5 (2007)	10	15 (2012)
Number of IT enabled Services	5 (2010)	10	12 (2013)
Foreign exchange earnings generated from ICT products and services.	10 (2008)	10	30 (2012)
Foreign Direct Investment in ICT Sector.	3 (2008)	5	6 (2012)
% of business establishments using the internet	20 (2008)	35	40 (2012)

Performance for the first half of the 2011/12 financial year

Develop guidelines for licensing digital broadcasting, ToRs for strategic Management consultant developed; Engagement of stakeholders for the commercialization of the NBI undertaken, Engagement with UNIDO to review functionality of DBICs. Negotiations for harmonizing the DBICs projects with UCC and Posta Uganda initiated.

ToRs for the training of DBICs managers developed and the procurement of the training initiated. Financing agreement for the counterpart funding of the BPO incubation center with UCC drafted, BPO roadmap developed, BPO stakeholder analysis undertaken; ToRs for BPO standards developed, ToRs for BPO model and strategy for developed, Draft cabinet memo on BPO presented; Internal BPO workshop held to review and develop BPO strategy.

Technical support to the Uganda Youth Council on BPO provided. BPO technical working group (TWG) setup and ToRs for the BPO center activities approved by the BPO TWG. Procurement process for the BPO center initiated, review and update of the BPO strategy, development of BPO standards and BPO training and skills development initiated. NITA-U Board and management visited BPO operators around Kampala as part of monitoring the BPO activities.

Table S2.2: Key 2012/13 Outputs Contributing to the Sector Outcome*

Outcome 3: Promote ICT business to enhance employment, income and growth.			
		2011/12	**2012/13**
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**Spending and Outputs Achieved by End Dec**	**Proposed Budget and Planned Outputs**
Vote: 020 Ministry of Information & Communications Tech.			
Vote Function:0501 IT and Information Management Services			
Output: 050102	**E-government services provided**		
Description of Outputs:	Implementation and coordinate roll out of e-government master plan.	Roll out of Unified communication in MoICT coordinated	
	Technical guidance and monitoring provided to all MDAs Implementation of Information security strategy	Technical guidance provided to : UNEB, UBTEB, MoPS/Civil Service College, MUK, MoD/UPDF,	
Output Cost (UShs bn):	*0.135*	*0.000*	*0.148*
Output: 050103	**BPO industry promoted**		

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Outcome 3: Promote ICT business to enhance employment, income and growth.			
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**2011/12** **Spending and Outputs Achieved by End Dec**	**2012/13** **Proposed Budget and Planned Outputs**
Description of Outputs:	Implement ICT business strategy. Monitor and Provide Technical support to e-projects. Implement transition from IPV4 to IPV6 Promote content Development and Dissemniation. Promote software production and development.	Monitoring and coordination of activities for the Patient End at Mulaga Hospital and the E-Learning at Makerere University carried out	
Output Cost (UShs bn):	*0.058*	*0.000*	*0.076*
Output: 050104	**Hardware and software development industry promoted**		
Description of Outputs:	Promote content Development and Dissemniation. Promote software and hardware production and development. Operationalisation of the E-waste policy.	Internet Governance Policy developed	
Output Cost (UShs bn):	*0.041*	*0.000*	*0.041*
Vote Function:0502 Communications and Broadcasting Infrastructure			
Output: 050201	**Policies, Laws and regulations developed**		
Description of Outputs:	Broadcasting policy reviewed; Electronic Media Communications and Broadcasting Infrastructure management policy developed. Spectrum Management Policy Developed National Postcode and Addressing system strategy.	Draft Harmonized Bill submitted to Cabinet and approved.	
Output Cost (UShs bn):	*0.154*	*0.000*	*0.154*
Output: 050202	**Sub-sector monitored and promoted**		

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	2011/12		2012/13
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**Spending and Outputs Achieved by End Dec**	**Proposed Budget and Planned Outputs**

Outcome 3: Promote ICT business to enhance employment, income and growth.

Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**Spending and Outputs Achieved by End Dec**	**Proposed Budget and Planned Outputs**
Description of Outputs:	Implementation and coordinate roll out of e-government master plan. Consumer education and Awareness in migration process carried out; Develop guidelines for licensing digital broadcasting. Technical supervision provided	Implementation road map of the Digital Migration Policy developed Implementation of Analogue to Digital Broadcasting Migration Policy has commenced Draft Master Plan for implementation of Digital Migration for the entire country developed	
Performance Indicators:			
% of resolutions from ICT monitoring reports and awareness campaigns implemented	2	1	2
Output Cost (UShs bn):	*0.136*	*0.000*	*0.136*

Output: 050203   **Logistical Support to ICT infrastructure**

Description of Outputs:	Promote establishment of Digital Broadcasting Infrastructure. Support Data Casting initiatives. Establishing of Broadcasting Infrustructure for last mile solution. Establishing of Broadcasting Infrastructure for digital out of home (DooH).	Implementation road map of the Digital Migration Policy developed Implementation of Analogue to Digital Broadcasting Migration Policy has commenced Draft Master Plan for implementation of Digital Migration for the entire country developed	
Performance Indicators:			
Status of the National Postal Code Addressing System		1	
Status of the Digital migration process		1	
Output Cost (UShs bn):	*0.145*	*0.000*	*0.178*

Vote Function: 0503 Information Technology Governance Services(NITA-U)

Output: 050303   **Shared resources of Technical Skills and Infrastructure developed**

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Outcome 3: *Promote ICT business to enhance employment, income and growth.*			
Vote, Vote Function Key Output	**Approved Budget and Planned outputs**	**2011/12 Spending and Outputs Achieved by End Dec**	**2012/13 Proposed Budget and Planned Outputs**
Description of Outputs:	Information Technology (IT) Business Parks developed & promoted Set up Information Technology Parks to host BPO & Related ICT Service Companies BPO Strategy and Model 10/13 Implementation plan developed	Development of BPO Standards & Accreditation Guidelines at procurement stage, to be sent to Contracts Committee for approval	
Performance Indicators:			
Functional GoU web portal information security working group set up	yes	Yes	
Status of the Initiatives toward the employment of the fresh graduates under BPO		1	
Status of ICT Training authentication Process		1	
Status of establishment of the BPO Incubation Centre	50	1	
Status of establishment of an ICT business park		1	
Status of DBICs (District, Business Information Centres)	2	1	
Number of international projects implemented and performance continuously montored	2	1	
Output Cost (UShs bn):	*0.000*	*0.000*	*0.000*
Output: 050304	**Technical Support on e-Government and e-Commerce provided**		
Description of Outputs:	Maintenance of and logical support to NBI/EGI Infrastructure Commercializing of the NBI. Information Technology support services provided for the implementation of the NSIS	Implementation Plan for Phase III developed Developed ToRs and initiated procurement for firm to supervise Phase III 90% FTA completed	
Performance Indicators:			
No. of Gov't Institutions operating E-Gov't Services	20	3	27
No. of Gov't Instituitons operating E-Gov't Services (voice data and video conferencing)	10	5	27
IT security work base created in Government	yes	Yes	yes
Output Cost (UShs bn):	*0.974*	*0.000*	*0.974*

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* Excludes taxes and arrears

2012/13 Planned Outputs

Commercialization of the NBI (Procure a Partner through PPP), Country Code Top-level Domain (CCTLD) Management, e-Government Shared Services deployed, BPO Operations Standards developed and disseminated, Disseminate the new BPO Strategy and Model for Uganda, Set up Information Technology Parks to host BPO & Related ICT Service Companies, Development and Operationalization of the Cyber Laws, Development and Dissemination of the Certification & Accreditation Framework, Model, Tools & Process, Conduct an IT Capacity Building Needs Assessment (CBNA), E-Business and other e-Transactions promoted, Software development industry promoted, Commercialisation of e-Government applications and services.

Medium Term Plans

Support and Promotion of Business Process Outsourcing (BPO) Services, Information Technology (IT) Business Parks developed & promoted; Review, Design, Implementation and Compliance enforcement of Cyber & Related Laws; Development, Implementation and Maintenance of an Architecture Blueprint; Standards and Certification for Government IT Services, Promoting and or undertaking Information Technology Training, Development and Capacity Building Services for Public & Private Sectors, Development & Promotion of E-Business and other e-Transactions, Develop software export strategy, Commercialisation of e-Government applications and services.

Actions to Improve Outcome Performance

Critical to improving the ICT sector performance towards this outcome is first and foremost the commercialisation of the NBI so as to generate more revenue for the government and embarking on implementation of e-government shared services on the NBI for all MDA's so as to cut on governments expenditures. Secondly there is need to promote the BPO industry through support to the BPO software and hardware companies to necessitate their growth geared towards revenue creation from ICT resources and services businesses both exports and imports and Job creation.

Table S2.3: Actions and Medium Term Strategy to Improve Sector Outcome

Sector Outcome 3: Promote ICT business to enhance employment, income and growth.			
2011/12 Planned Actions:	**2011/12 Actions by Dec:**	**2012/13 Planned Actions:**	**MT Strategy:**
Vote: 020 Ministry of Information & Communications Tech.			
Vote Function: 05 02 Communications and Broadcasting Infrastructure			
Establishing of Broadcasting Infrustructure for last mile solution. Establishing of Broadcasting Infrastructure for digital out of home (DooH).	Technical support provided to Police and other Security Agencies on Expansion of TETRA, CCTV and Call Center.	Development of an ICT infrastructure Management Policy	Scale up strategies in conjuction with line ministries to create synergy for increased investment in ICT Infrastructure
Vote Function: 05 03 Information Technology Governance Services(NITA-U)			
Technical support requests to NITA-U coordinated Participate in e-Readiness surveys; update inventory quarterly Promoting and or undertaking Information Technology Trainning, Development and Capacity Building Services for Public & Private Sectors	ToRs for conducting an e-government readiness survey and development of national e-government plan developed.	Implemetation of the NBI, continued support and establishment of the DBICs Centers.	IT Regulatory environment created and enhanced.
Vote Function: 05 49 Policy, Planning and Support Services			

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Sector Outcome 3: Promote ICT business to enhance employment, income and growth.			
2011/12 Planned Actions:	**2011/12 Actions by Dec:**	**2012/13 Planned Actions:**	**MT Strategy:**
Engage UBOS for further data collection	Engaging UBOS for further data collection	Carry out a collective baseline survey on the status of ICT within the country	Engage UBOS for further data collection

(iv) Efficiency of Sector Budget Allocations

The ICT Sector in Uganda has continued to stand out as one of the core Sectors that need to be facilitated efficiently so as to achieve overall growth of the National Economy as characterized by the Sector's majority contribution to the National Treasury despite the inadequate funding it is currently receiving. As a means of attracting more National Revenue through the ICT sector's own individual revenue generating activities and the much needed role it plays as an enabler for the efficient and effective running of all the other sectors in general, there is need to mobilse more funds both from the side of government and potential Donors so as to fully undertake the sector's planned activities in an effort to achieve its objectives.

Table S2.4: Allocations to Key Sector and Service Delivery Outputs over the Medium Term

Billion Uganda Shillings	*(i) Allocation (Shs Bn)*				*(ii) % Sector Budget*			
	2011/12	**2012/13**	2013/14	2014/15	*2011/12*	*2012/13*	*2013/14*	*2014/15*
Key Sector	7.5	**7.7**	7.9	7.0	*62.0%*	*100.0%*	*55.7%*	*44.4%*
Service Delivery	7.5	**7.7**	7.9	7.0	*62.0%*	*62.8%*	*55.7%*	*44.4%*

All the above are based on the assumptions that the tax rates remain unchanged on the ICT material and there are no more persistent Budget Cuts as has been the case of late for the MTEF period which is unlikely to be the case.

Table S2.5: Key Unit Costs of Services in the Sector (Shs '000)

(v) Sector Investment Plans

The funding levels of most the Sector's Programmes and Projects with sizeable Capital Purchases for the MTEF are considerably low compared to the planned activities as seen with the NBI/EGI which still has Phase III to implement with UGX 3.19 BN for FY 2012/13 and UGX 3.07 BN for FY 2013/14, BPO with UGX 0.210 BN for FY 2012/13 and UGX 0.707 BN for 2013/14 and the National Postal Code Addressing System under the Directorate of Communications and Broadcasting Infrastructure which still runs as an unfunded activity within the Ministry.

Table S2.6: Allocations to Capital Investment over the Medium Term

Billion Uganda Shillings	*(i) Allocation (Shs Bn)*				*(ii) % Sector Budget*			
	2011/12	**2012/13**	2013/14	2014/15	*2011/12*	*2012/13*	*2013/14*	*2014/15*
Consumption Expendture(Outputs Provided)	8.6	**8.8**	10.2	12.1	*70.6%*	*72.3%*	*71.7%*	*76.8%*
Grants and Subsidies (Outputs Funded)	2.7	**2.7**	2.7	2.3	*22.0%*	*21.8%*	*18.9%*	*14.5%*
Investment (Capital Purchases)	0.9	**0.7**	1.3	1.4	*7.4%*	*5.9%*	*9.4%*	*8.7%*
Grand Total	**12.1**	**12.2**	**14.2**	**15.8**	*100.0%*	*100.0%*	*100.0%*	*100.0%*

The Major Capital purchases within the Sector fall under the NBI/EGI Project. The National Information Technology Authority – Uganda (NITA-U) is implementing the National Data Transmission Backbone Infrastructure and e-Government Infrastructure Project (NBI/EGI) whose major aims are to connect all major towns within the country onto an Optical Fibre Cable based Network and to connect Ministries and Government Departments onto the e-Government Network. Currently phase I and II of the NBI/EGI Project have been completed and implementation of Phase III awaits the completion of a Forensic Technical Audit on the Project. In FY 2012/13 UGX 3.19 BN has been set aside for the continued implementation of this Project.

Table S2.7: Major Capital Investments

Project	2011/12		2012/13
Vote Function Output *UShs Thousand*	**Approved Budget, Planned Outputs (Quantity and Location)**	**Actual Expenditure and Outputs by December (Quantity and Location)**	**Proposed Budget, Planned Outputs (Quantity and Location)**
Vote: 020 Ministry of Information & Communications Tech.			

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Project	2011/12		2012/13
Vote Function Output *UShs Thousand*	**Approved Budget, Planned Outputs (Quantity and Location)**	**Actual Expenditure and Outputs by December (Quantity and Location)**	**Proposed Budget, Planned Outputs (Quantity and Location)**

Vote Function: **0503** **Information Technology Governance Services(NITA-U)**

Project 1014 National Transmission Backbone project

050377 Purchase of Specialised Machinery & Equipment	purchase of machinery and equipment	n/a	purchase of machinery and equipment
Total	4,952,538	0	**250,000**
GoU Development	*4,952,538*	*0*	*250,000*
Donor Development	*0*	*0*	*0*
050375 Purchase of Motor Vehicles and Other Transport Equipment		n/a	
Total	105,000	0	**0**
GoU Development	*105,000*	*0*	*0*
Donor Development	*0*	*0*	*0*

Project 1053 District Business Information Centre

050378 Purchase of Office and Residential Furniture and Fittings	purchaseof office equipment and fittings	n/a	purchaseof office equipment and fittings
Total	28,000	0	**28,000**
GoU Development	*28,000*	*0*	*28,000*
Donor Development	*0*	*0*	*0*

Project 1054 National IT Authority

050377 Purchase of Specialised Machinery & Equipment	purchase of machinery and equipment for NITA U operations	n/a	purchase of machinery and equipment for NITA U operations
Total	200,000	0	**200,000**
GoU Development	*200,000*	*0*	*200,000*
Donor Development	*0*	*0*	*0*

Vote Function: **0549** **Policy, Planning and Support Services**

Project 0990 Strengthening Ministry of ICT

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Project	2011/12		2012/13
Vote Function Output *UShs Thousand*	**Approved Budget, Planned Outputs (Quantity and Location)**	**Actual Expenditure and Outputs by December (Quantity and Location)**	**Proposed Budget, Planned Outputs (Quantity and Location)**

Vote Function: 0549   Policy, Planning and Support Services

054978 Purchase of Office and Residential Furniture and Fittings	procurement of office furniture and fixtures	10 desktop computers procured. 4 pieces of Filling cabinets procured Swap card equipment procured and installed for automatic individual staff entry in the offices. Specialized auditing software procured. Bookshelves for Office of PS and D/C&BI procured. Coffee marker, coffee table rug procured for Office of the Minister, 1 executive chair procured for Office of the Minister of State	procurement of office furniture and fixtures
Total	**70,000**	*0*	**0**
GoU Development	*70,000*	*0*	*0*
Donor Development	*0*	*0*	*0*
054975 Purchase of Motor Vehicles and Other Transport Equipment	Purchase of Motor Vehicle	Planned activities await fund releases	Purchase of Motor Vehicle for the Director IT & IMS Purchase of Motor Vehicle for Support services in the Offices of Hon. Minister and Hon minister of State
Total	**240,000**	*0*	**240,000**
GoU Development	*240,000*	*0*	*240,000*
Donor Development	*0*	*0*	*0*

S3 Proposed Budget Allocations for 2012/13 and the Medium Term

This section sets out the proposed sector budget allocations for 2012/13 and the medium term, including major areas of expenditures and any notable changes in allocations.

Table S3.1: Past Expenditure and Medium Term Projections by Vote Function

		2011/12		Medium Term Projections		
	2010/11 Outturn	**Appr. Budget**	**Spent by End Dec**	**2012/13**	**2013/14**	**2014/15**
Vote: 020 Ministry of Information & Communications Tech.						
0501 IT and Information Management Services	0.307	0.453	0.000	0.486	0.784	0.889
0502 Communications and Broadcasting Infrastructure	0.317	0.435	0.000	0.468	1.080	1.168
0503 Information Technology Governance Services(NITA-U)	9.045	7.201	0.000	7.202	7.000	5.707
0549 Policy, Planning and Support Services	3.693	4.028	0.000	4.063	5.379	8.019
Total for Vote:	**13.362**	**12.117**	**0.000**	**12.219**	**14.243**	**15.783**
Total for Sector:	**13.362**	**12.117**	**0.000**	**12.219**	**14.243**	**15.783**

*   *Excluding Taxes and Arrears and including NTR*

(i) The Total Budget over the Medium Term

The Ministry has been allocated a total budget worth Ushs 11.089 billion only without taxes for the FY

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2012/13, of which Ushs 3.829 billion is recurrent and Ushs 7.260 billion is development budget respectively. In the medium term a total of Ushs 14.336 billion

(ii) The major expenditure allocations in the sector

The Major expenditure allocations of the Consolidated fund to the sector is under the NITA-U Vote Function specifically to the NBI-EGI project at UGX 3.19 BN and the NITA-U subvention of UGX 2.561 BN that inadequately caters for the NITA-U recurrent Budget.

(iii) The major planned changes in resource allocations within the sector

Following a directive from the Parliamentary Budget Committee on ICT there was a directive to effect a 30% deduction on all the specifically selected budget items across the entire Vote Outputs. A total of UGX 1.2 BN was realized after the deductions were effected and this was reallocated to Output 050304 Technical Support to e-Government and e-Commerce provided as per the same Committee's recommendation.

Table S3.2: Major Changes in Sector Resource Allocation

* Excluding Taxes and Arrears

S4: Unfunded Outputs for 2012/13 and the Medium Term

This section sets out the highest priotrity outputs in 2012/13 and the medium term which the sector has been unable to fund in its spending plans.

the challenges within the sector are as follows: 1. Inadequate Funding to key sector priorities(Policies and laws)
2. High tax rates on telephone handsets
3. Limited capacity building for ICT personnel
4. Limited ICT sector awareness within the Public
5. Inappropriate Internet Governance
6. ICT Security
7. Inadequate local digital content
8. Low literacy levels

Table S4.1: Additional Output Funding Requests

Additional Requirements for Funding and Outputs in 2012/13	Justification of Requirement for Additional Outputs and Funding
Vote Function:0501 IT and Information Management Services	
Output: 0501 01 Enabling Policies,Laws and Regulations developed	
Funding Requirement (UShs Bn): *0.100* Coordinate and carry out M&E of implementation of the framework to institutionalize ICT functions across MDA's and LGs	*Government is still the biggest consumer of ICT services and user of related equipment. A number of Government institutions have embraced the use of ICT by taking on computerisation projects independently. These projects and new ones coming on board will roll out to both central and local governments. In order to ensure quality, standards and efficiency, it's imperative that ICT personnel under central supervision of MoICT be deployed in central and LGs.*
Output: 0501 02 E-government services provided	
Funding Requirement (UShs Bn): *4.800* Dissermination and coordination of the e-Government Policy Framework	*As a measure for the effective implementation of e-government policy framework across governement the VF of IT & IMS is to spearhead the dissermination of the Policy framework within MDAs and LGs and also coordinate its implementation through collective M&E and carrying out awareness campaigns*
Vote Function:0502 Communications and Broadcasting Infrastructure	
Output: 0502 02 Sub-sector monitored and promoted	
Funding Requirement (UShs Bn): *1.000* Coordinate implementation of the Analog to Digital Migration Policy Development and implementation of the National Postcode Addressing System Strategy	*The International Telecommunications Union has set the deadline for migration to digital television broadcasting on June 2015. All consumers must have acquired digital TV sets and related accessories and broadcasters must have upgraded their infrastructure to comply with new technologies. There is therefore urgent need to carry our massive consumer education and awareness campaigns before the set*

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Additional Requirements for Funding and Outputs in 2012/13	Justification of Requirement for Additional Outputs and Funding
	date. *Development of the National PostCode Addressing System Strategy is crucial in promotion of the Postal Subsector it should be noted though that the project is not adequartely funded in line to its planned activities and expected outputs*
Vote Function:0504 Information Technology Governance Services(NITA-U)	
Output: **0503 04 Technical Support on e-Government and e-Commerce provided**	
Funding Requirement (UShs Bn): *6.000* •A National Population Data bank Implemented & Maintained •The National Information Security System (NSIS) developed and implemented	*To have a critical impact on the ICT Sector nationwide, there is nedd to develop implement and maintain a National Population Data Bank and this goes hand in hand with developing a National Information Security System so as to ensure secure storage,processing and transmission of Data thus necessitating adequate funding for both projects to be fully implemented.*
Output: **0503 05 Communication Infrastructure Network established in Uganda**	
Funding Requirement (UShs Bn): *1.100* Implementation of Phase III of the NBI and continued establishment of the DBICs and maintaining and supporting of the existing DBICs	*To enable ICT spread nationwide to even the rural and hard to reach areas as a means to promote and accerelate growth within the identified communities through provision of the much needed ICT infrustructur and to help rural communities access IT services at an affordable rate, the government needs to invest more in the ICT sector at all levels thus calling for provision of funds to the NBI project through Phase III and continued financial support to the DBICs*