

UGANDA NATIONAL BUREAU OF STANDARDS



STATISTICAL ABSTRACT

FY 2020/2021

FOREWORD

This is the fourth edition of the UNBS statistical abstract produced by the Corporate planning Division annually.

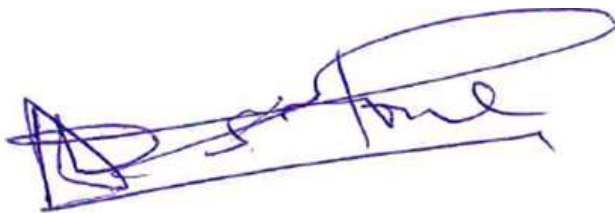
The UNBS statistical abstract covers information on developments in the standardization activities carried out by the Bureau. This abstract covers statistics that are collected within the Bureau during the course of normal operations (administrative data).

While a considerable part of these statistics is also available in other publications, those that are included in this abstract provide greater detail and coverage. The UNBS statistical abstract therefore is one of UNBS' efforts aimed at enhancing data dissemination to the public.

The Bureau would like to appreciate the continued cooperation of all Departments and Divisions in providing the requisite data to produce this publication. The Bureau welcomes constructive comments from stakeholders that aim at enhancing the quality of its future publications.

Copies of this publication are available at the Bureau's Head Office located at Standards House, Plot 2-12, By-pass Link, Bweyogerere Buto, Kampala and the official UNBS website: www.unbs.go.ug

It is my sincere hope that the statistical information in this publication will be useful to the readers and will guide in decision making.



David Livingstone Ebiru
EXECUTIVE DIRECTOR

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LIST OF ACRONYMS

ARSO	African Organization for Standardization
COC	Certificate of Conformity
COMESA	Common Market for Eastern and Southern Africa
CRW	Certificate of Roadworthiness
EAC	East African Community
EAS	East African Standard
F&A	Finance and Administration
GOU	Government of Uganda
HRD	Human resource department
HRIMS	Human resource information management system
ICT	Information communication technology
IEC	International Electro-technical Commission
ISO	International organization for standardization
LIMS	Laboratory information management system
NCR	Non-Conformity Report
NML	National metrology Laboratory
NSI	national standard Indicator
NTR	Non Tax revenue
PT	Proficiency testing
PVoC	Pre-Export Verification of Conformity
SIMS	Standards Information Management System
SME's	Small and Medium-sized Enterprises
TC	Technical committee
UNBS	Uganda National Bureau of Standards
US	Uganda standard

GLOSSARY

Accreditation	This is the process in which certification of competency, authority, or credibility is presented
Certification	Issuance of a certificate or mark (or both) by a third party to demonstrate that a specific product meets a defined set of requirements such as safety, fitness for use and/or interchangeability characteristics for that product, usually specified in a standard
CODEX Alimentarius	This is a collection of internationally recognized standards, codes of practice, guidelines, and other recommendations relating to foods, food production, and food safety.
Consignment	This refers to a batch of goods destined for or delivered to someone to be sold
Corrective Actions	These are improvements to an organization's processes taken to eliminate causes of non-conformities or other undesirable situations.
Imports	These refer to goods brought into a jurisdiction, especially across a national border, from an external source
Inspection	Critical appraisal involving examination, measurement, testing, gauging, and comparison of materials or items. An inspection determines if the material or item is in proper quantity and condition, and if it conforms to the applicable or specified requirements.
Legal metrology	Application of legal requirements to measurements and measuring instruments.
Product Permits	A certificate or mark (or both) issued by a third party to demonstrate that a specific product meets a defined set of requirements such as safety, fitness for use and/or interchangeability characteristics for that product, usually specified in a standard
Standard	A document, established by a consensus of subject matter experts and approved by a recognized body that provides guidance on the design, use or performance of materials, products, processes, services, systems or persons

EXECUTIVE SUMMARY

This edition of the publication provides data on UNBS operations and areas of intervention. The data provided is official statistics that is generated by functions within UNBS while executing their mandate. The data is mainly administrative and a number of extracts have been made from the information management systems used at UNBS.

The table below shows a summary of data about UNBS' key performance indicators from the FY 2014/15 to the FY 2020/21

Table 1: UNBS Key performance indicators

Key Performance Indicator	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Number of standards developed	466	451	355	254	414	505	457
Number of samples tested	9,526	9,883	12,439	14,472	17,770	19,796	24,014
Number of equipment calibrated	1,359	1,709	2,677	2,233	3,538	3,354	4,233
Number of certification permits issued	562	718	941	849	1,378	2,729	3,424
Number of market outlets inspected	1,153	1,093	1,128	2,278	6,646	7,345	10,614
Number of equipment verified	720,764	706,939	757,551	848,456	1,000,787	1,063,277	1,217,915
Number of profiled import consignments inspected	80,648	99,980	118,467	133,517	154,196	153,256	177,203
G.O.U (Released)	12,359,696,074	10,409,295,880	10,723,009,248	20,085,405,594	21,251,409,000	57,910,617,116	58,546,404,655
NTR (Collected)	8,012,337,829	10,172,835,598	16,740,683,374	18,385,525,621	26,590,000,000	38,168,955,765	38,546,001,297
Percentage of NTR Contribution to Total Budget	39.3%	48.3%	59.8%	47.8%	55.6%	65.9%	65.8%

1.0 STANDARDS DEVELOPMENT

One of the core function of Uganda National Bureau of Standards is to develop and promote national standards. The major objectives of the function include;

1. Develop and gazette standards in line with national needs and priorities and to maintain relevant data for standardization
2. Improve the collaboration with and awareness among stakeholders to participate in standards development and enhance uptake and implementation of standards for the benefit of society
3. Provide an efficient information service on standardization and related matters

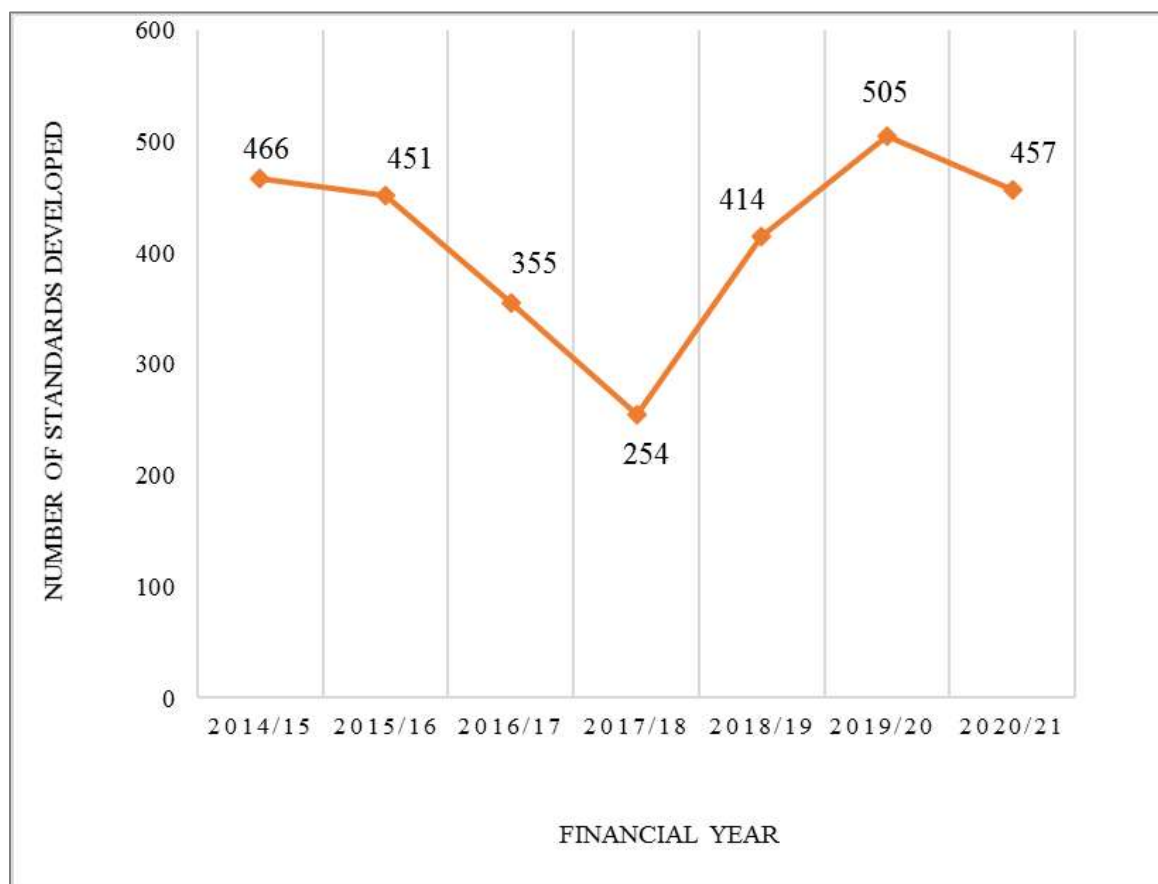
By the end of FY 2020/21, 4,265 standards were in stock as indicated in the Table 2 below

Table 2: The current stock of Uganda standards indicating origin as of June 2021

Origin	Number
US ASTM	188
US EN	2
US OIML	36
US ARS	7
US CODEX	140
US IEC	268
US EAS	531
US	744
US ISO	2,349
Total	4,265

In the FY 2020/21, 457 standards were developed. This was a 10% decline from the number of standards developed in the previous FY 2019/2020 (505). The decline could be due to working interruptions caused by COVID-19 Pandemic. (Fig 1)

Figure 1: Number of standards Developed



The table below illustrates a breakdown of standards developed in the four categories of Engineering, food and agriculture, chemical and consumer products, management and financial services from the FY 2014/15 to FY 2020/21. The details of the categories of standards developed is attached in Annex I.

Table 3: Standards Developed per category

Standards Development Categories	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Engineering	143	180	60	52	62	125	101
Food and Agriculture	133	109	99	43	96	110	65
Chemicals and consumer products	128	107	124	111	212	148	224
Management systems and services	62	55	72	48	34	122	67

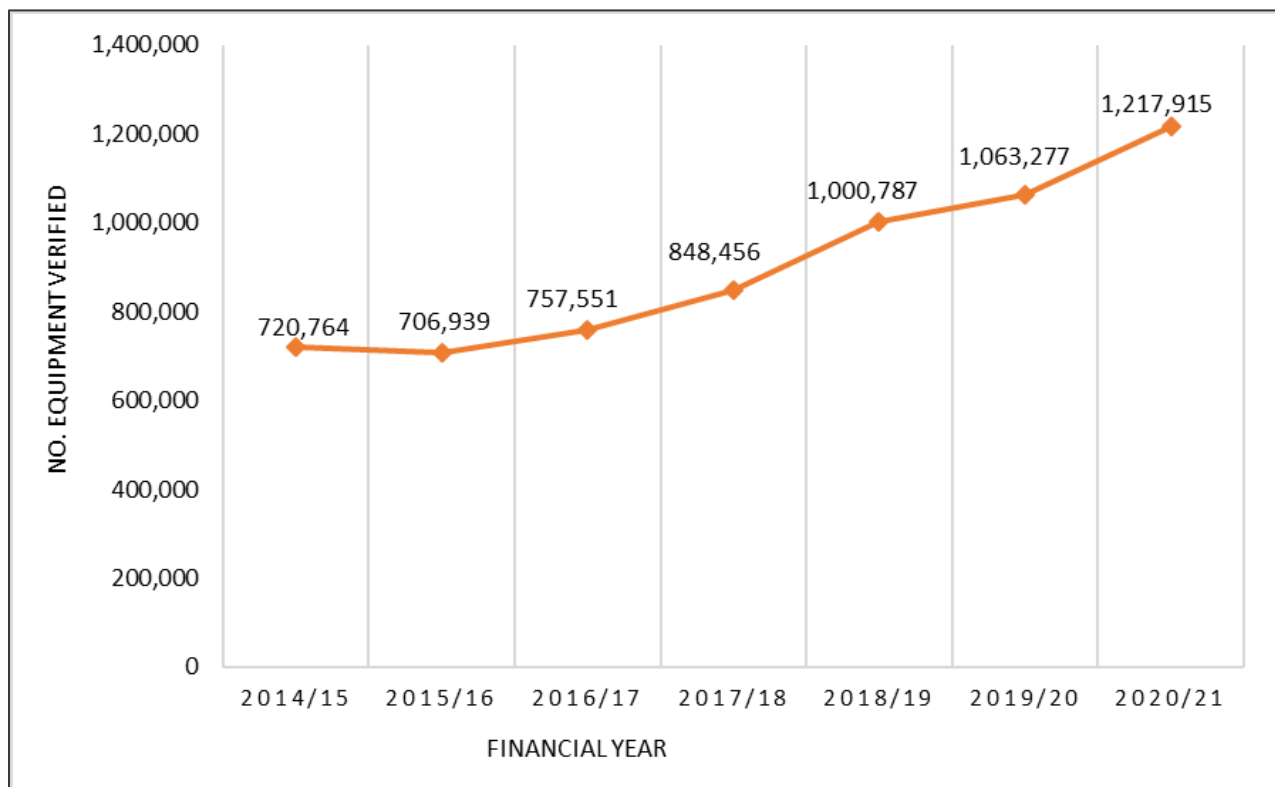
2.0 MEASUREMENTS

2.1 Legal Metrology

UNBS implements the Weights and Measures Law (Cap 103) of the Laws of Uganda. The main objective is to ensure that the equipment used for trade is verified for correct measurements and accuracy at regular intervals as required by the Law and therefore protects society from the consequences of wrong measurements.

The figure below indicates the number of equipment verified from the FY 2014/15 to the FY 2020/21. The number of equipment have been on an increasing trend to date. The details on weights and measure statistics from the FY 2014/15 to the FY 2020/21 are presented in Annex II

Figure 2: Number of Equipment verified



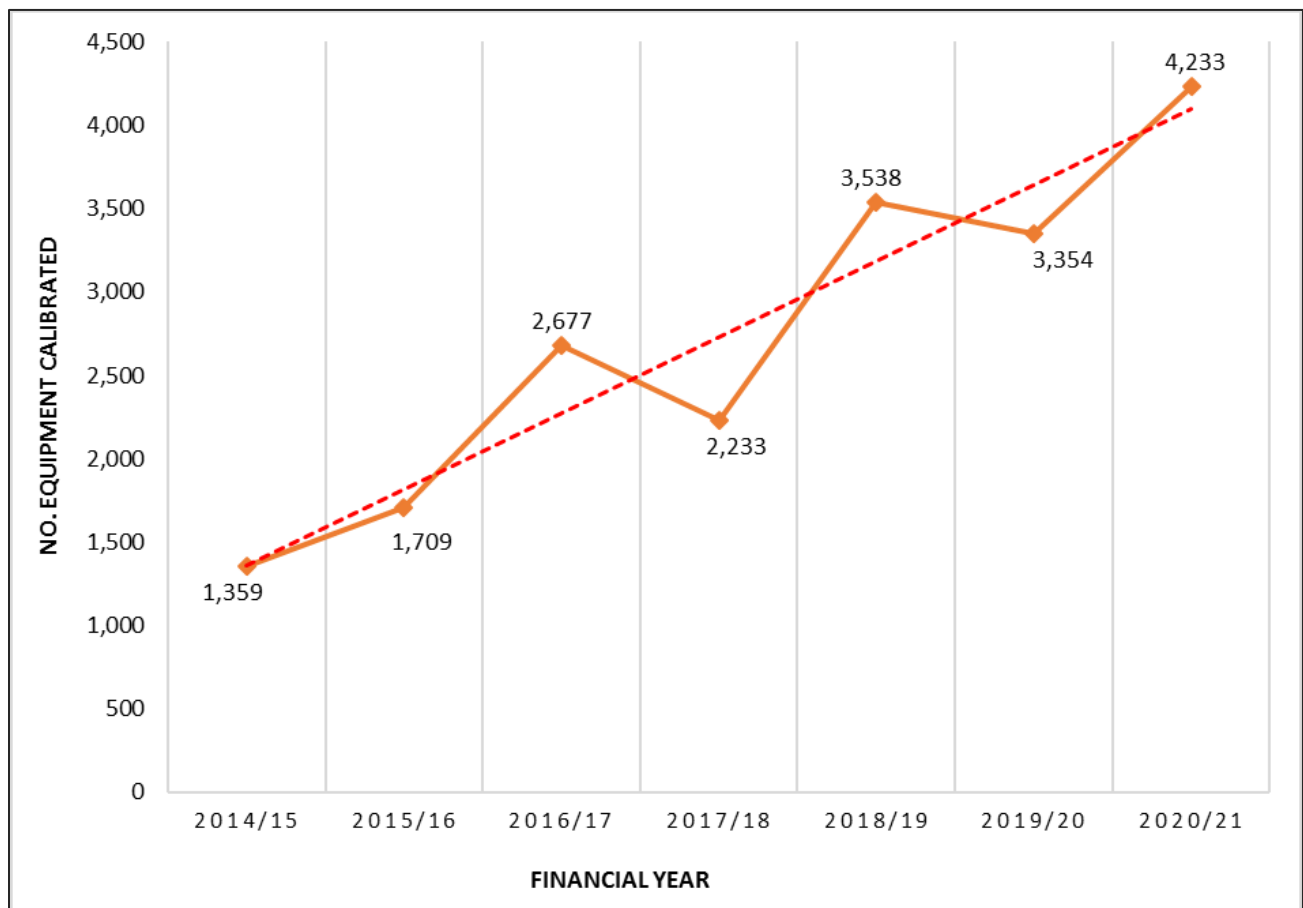
2.2 National Metrology Laboratory

The UNBS NML handles both scientific and industrial measurements. The role of the laboratory is to maintain the primary measurement standards and ensure that all measurements performed in the country in all spheres and fields of life are comparable, linked and traceable to the International System of units (SI).

This in turn helps to support fair trade, interoperability, technological development and transfer. Accurate measurements in process controls of factors like temperature, dimensions and mass have greatly contributed to the quality of Ugandan products and their acceptability in the region and internationally.

The figure below illustrates the number of equipment calibrated since the FY 2014/15. The overall trend is increasing as indicated by the linear trend (dotted line).

Figure 3: Number of Equipment Calibrated



2.2.1 Distribution of clients served by sector in the FY 2020/21

During the financial year, a total of 4,233 equipment were calibrated (up from 3,354 equipment in FY2019/2020) from 777 Large, MSMEs, Academic and research institutions, testing and medical laboratories, regulatory bodies and authorities as indicated in Table 4 below

Table 4: Distribution of clients served by sector FY 2020/21

S/N	Sector	Number	Percentage
1	Agriculture and Forestry	18	2.32%
2	Electricity/Engineering/Construction	45	5.79%
3	Equipment suppliers and traders	25	3.22%
4	Manufacturing and processing (Foods and beverages)	302	38.87%
5	Logistics/Aviation/Transportation	15	1.93%
6	Manufacturing and processing (other sectors)	265	34.11%
7	Oil and gas	15	1.93%
8	Pharmaceuticals	26	3.35%
9	Research/Laboratories and Consultancy Services	25	3.22%
10	Government Ministries, Departments, Agency and regulators	15	1.93%
11	Medical Services	25	3.22%
12	Waste management	1	0.13%
TOTAL		777	100.00%

2.2.2 Distribution of clients served by region (calibration) in FY 2020/21

During the FY 2020/21, most calibration activities were conducted in Central region (80.18%) while least of the activities were done in the Northern region 3.22% (Table 5)

Table 5: Distribution of clients served by region (calibration) in FY 2020/21

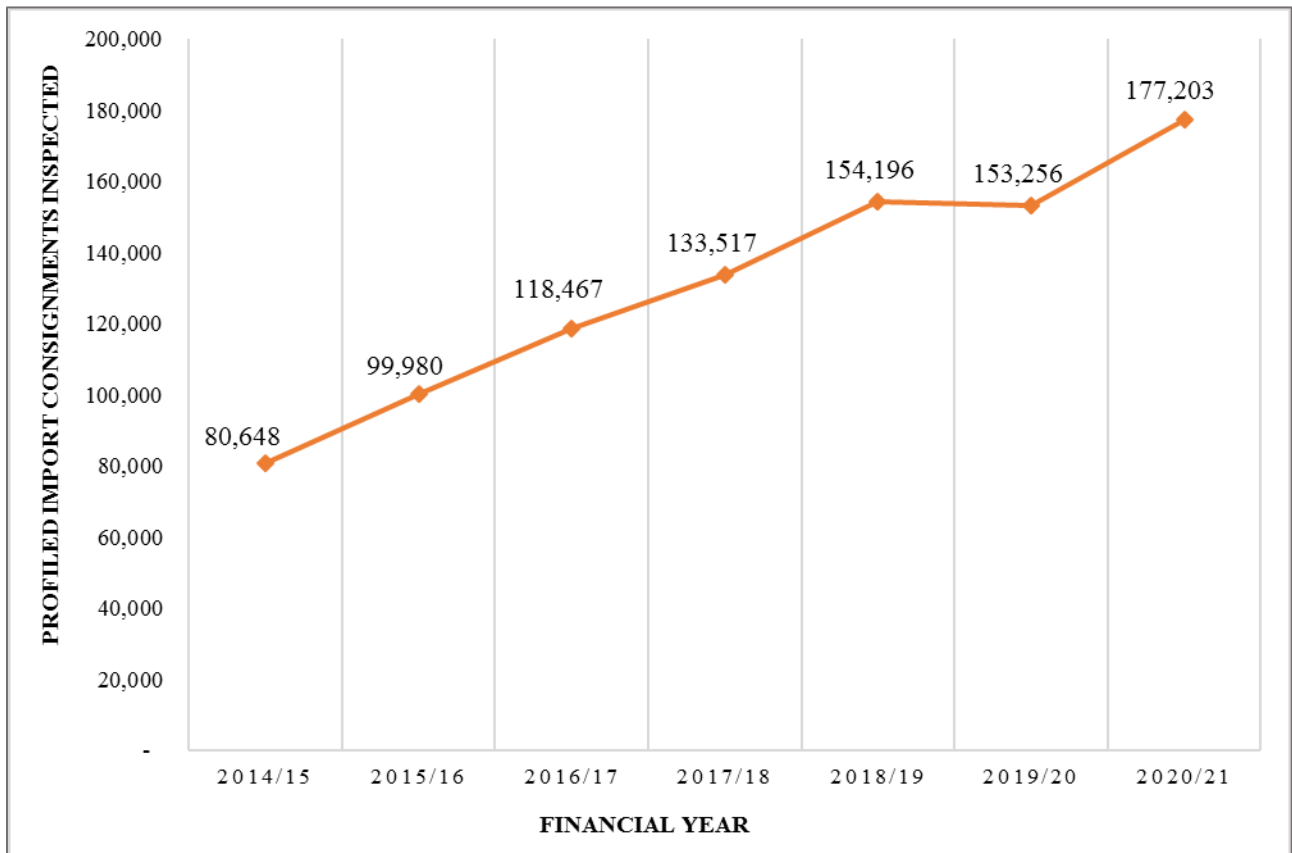
Region	Number	Percentage
Central	623	80.18%
Eastern	68	8.75%
Northern	25	3.22%
Western	61	7.85%
Total	777	100.00%

3.0 CONFORMITY ASSESSMENT

3.1 Imports inspection

UNBS undertakes inspection of imported consignments to prevent Uganda from being a dumping ground for substandard imports, protecting consumers/the public and the environment from harmful/substandard products, promote fair trade and to ensure value for money. The Figure below illustrates the trend in the number of consignments inspected since the FY 2014/15. The details of imports inspection statistics are presented in Annex III.

Figure 4: Number of Import consignments inspected



3.2 Laboratory Testing

One of the key functions of UNBS is to establish and operate national testing laboratories to assist industry and other stakeholders from the private and public sectors in testing of product samples as part of conformity assessment. Under this mandate, which is legally provided for under the UNBS Act, UNBS is required to;

- a) Provide for the testing of locally manufactured or imported commodities with a view to determining whether such commodities conform to standard specification.
- b) Make arrangements or provide facilities for the examinations, testing or analysis of commodities and any material or substance from which or with which and the manner in which they may be manufactured, produced, processed or treated.

The testing function is realized through the UNBS Testing Department, which falls under the Directorate of Standards. The Testing Department receives product samples from clients and tests them against standards or customer specifications, using standard test methods and procedures. After testing, a Certificate of Analysis or Test Report is issued to the client. Samples are received from both internal (UNBS) and external clients, from both public and private sectors.

As of 30th June 2021, the Testing Department consisted of 4 laboratories which are at Division level namely: Chemistry laboratory, Microbiology laboratory, Engineering Materials laboratory, Electrical laboratory

The Petroleum Laboratory was still being operated jointly with the Ministry of Energy and Mineral Development (MEMD) although plans were under way to have a UNBS fully owned petroleum lab after construction of the new labs at Bweyogerere.

The Chemistry and Microbiology laboratories are internationally accredited by SANAS under facility number T0200. The UNBS Testing Department is also a Proficiency Testing Service provider for the matrices of Edible Oil and alcoholic spirits within the EAC, COMESA and other countries.

The number of samples tested has been on an increasing trend from FY 2014/15 to FY 2020/21 as illustrated in the Figure below. The increase in testing is attributed to the an increase in demand for testing services in the country and most importantly the implementation of the distinctive mark regulations that made certification of products covered by compulsory standards mandatory.

Figure 5: Number of product samples tested

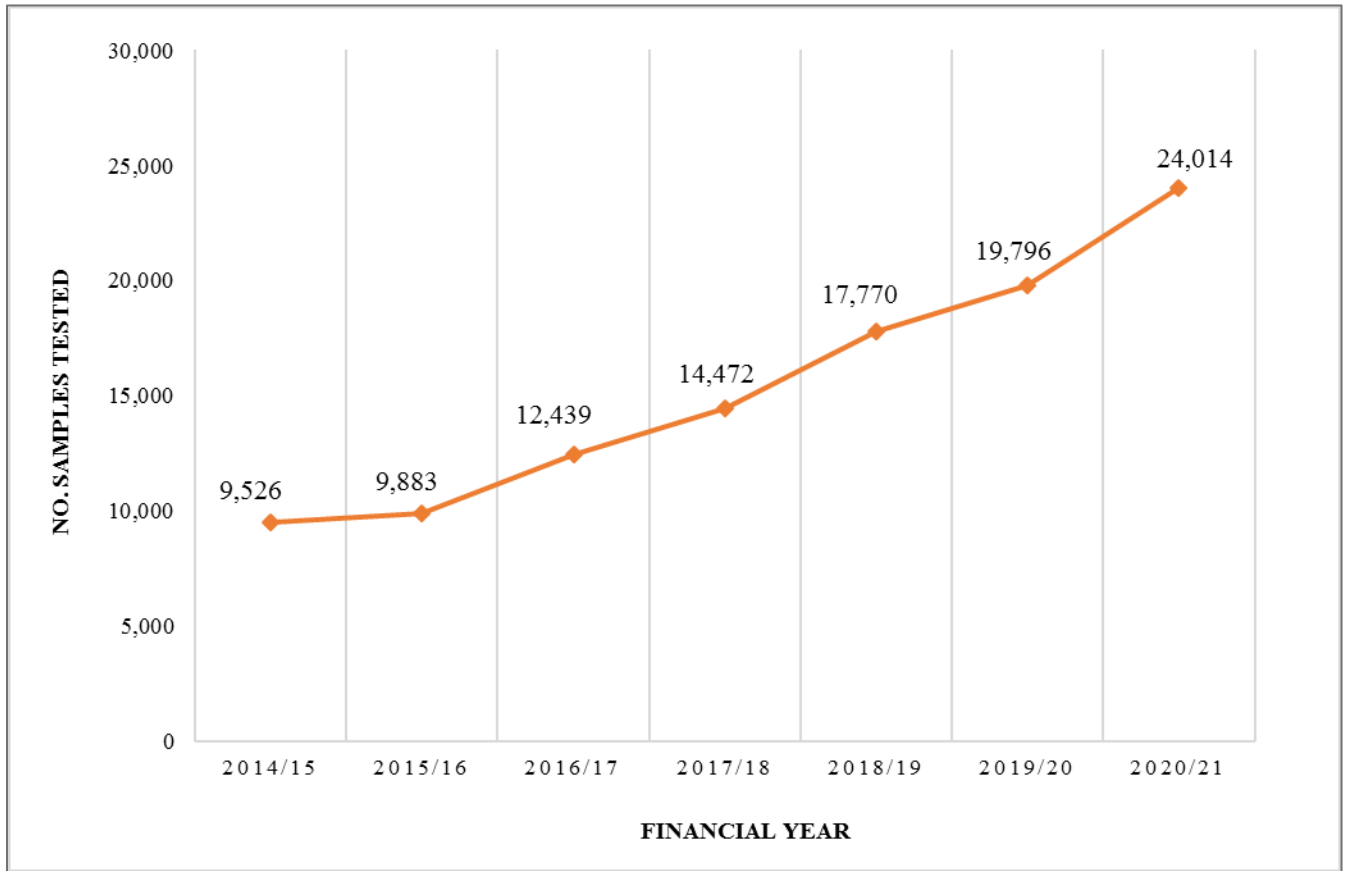


Table 6: Samples tested

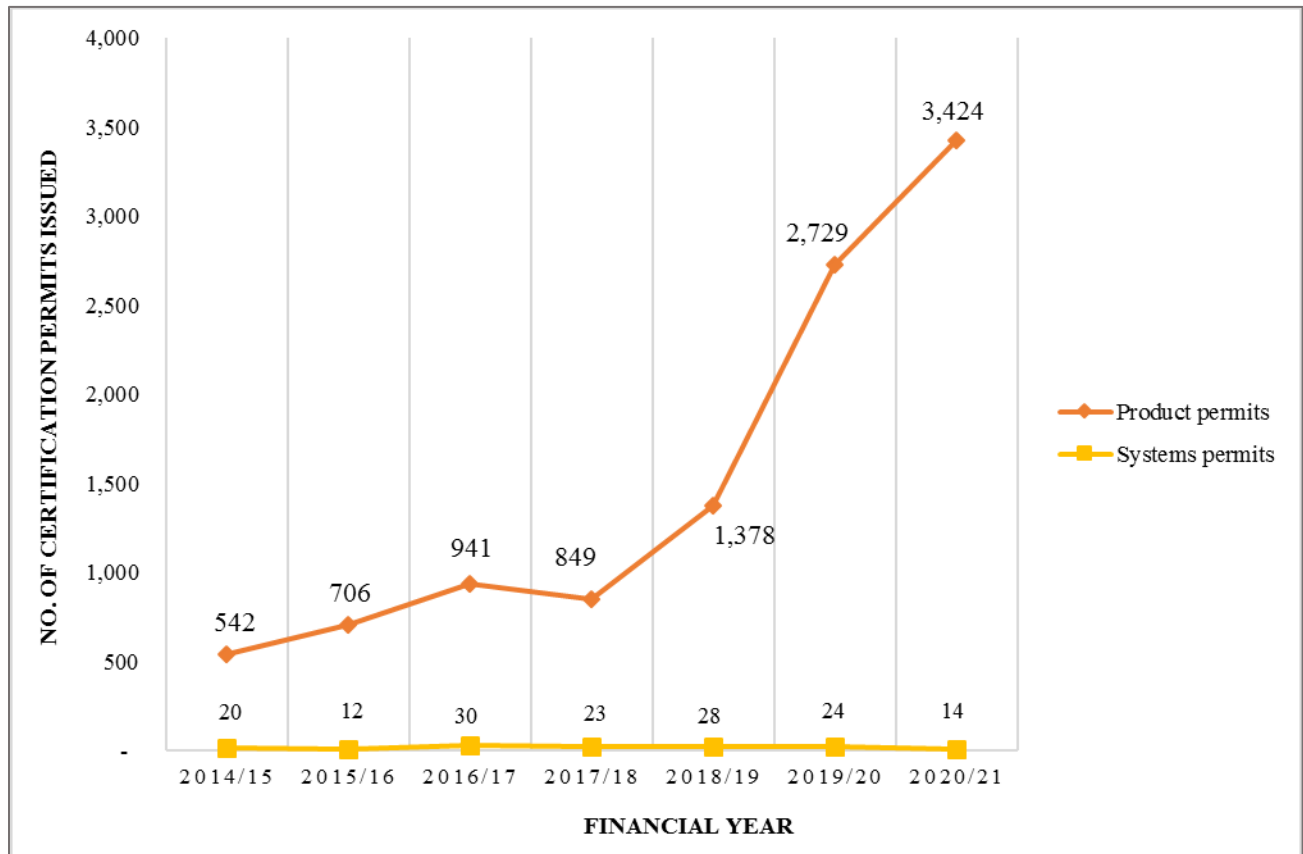
Laboratory	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
No of samples tested							
Chemistry Lab	4,889	4,876	6,406	6,421	8,669	10,044	10678
Microbiology Lab	2,470	2,489	2,931	3,698	4,679	5,773	7176
Electrical Engineering Lab	320	477	939	992	1,355	639	569
Engineering Materials Lab	1,847	2,041	2,163	3,361	3067	3,182	3633
No of PT samples tested	8	17	41	74	44	55	
Np of PT matrices provided	1	1	2	2	2	2	2
Number of Labs accredited	2	2	2	2	2	2	2

3.3 Certification

UNBS is the custodian of the principal seal of quality in Uganda, the Q-Mark (Distinctive Mark). The Q-Mark provides consumers with assurance that products meet standard requirements, and are safe and fit for purpose. The Q-Mark is awarded for products that have been tested against specific requirements in UNBS or UNBS recognized laboratories, whose production has been audited and found compliant to requirements of quality control and quality assurance.

The number of certification permits issued have been on an increasing trend. This was as a result of the introduction of distinctive mark regulation that made certification of products mandatory for products covered with compulsory standards. The trend is indicated in the graph below.

Figure 6: Number of certification permits issued



3.3.1 Certification Activities

The range of certification activities conducted by the Bureau from FY 2014/15 to FY 2020/21 are presented in Table 7 below

Table 7: Certification Activities

Indicator description	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
No. of product permits issued	542	706	941	849	1,378	2,729	3,424
No. of system permits issued	20	12	30	23	28	24	14
No. of Audits	298	472	522	668	1,418	3,109	5701
No. of SME's inspected/supported	456	140	40	256	1,466	1,372	826
No. of SME's products certified	30	60	14	12	201	201	547
No. of companies provided with Technical assistance (trainings undertaken)	20	22	11	33	33	76	43
No. of SME's registered					1,466	2,634	3,161

3.4 Surveillance

UNBS undertakes market surveillance activities to remove substandard goods from the market both to ensure consumer safety and to create a level playing field for the local and imported goods. These activities are important in ensuring socio-economic transformation of our people and the development of our local manufacturing industry in the long term.

UNBS carries out regular market inspections to ensure that traders are selling quality products in right quantities. Any substandard goods found on the market are seized by UNBS Market Surveillance inspectors. During the FY 2020/21, the Bureau conducted 10,614 inspections of industries, supermarkets, warehouses, wholesale shops and retail outlets all over the country and made 1,087 seizures of products that were not meeting the minimum safety and quality standards. The performance of the function has been increasing tremendously as illustrated by the line graph below from the FY 2016/17 to the FY 2020/21. The increase in number of inspections conducted is attributed to a scale up of market surveillance activities to rid the substandard goods in the market.

Figure 7: Number of Market outlets inspected

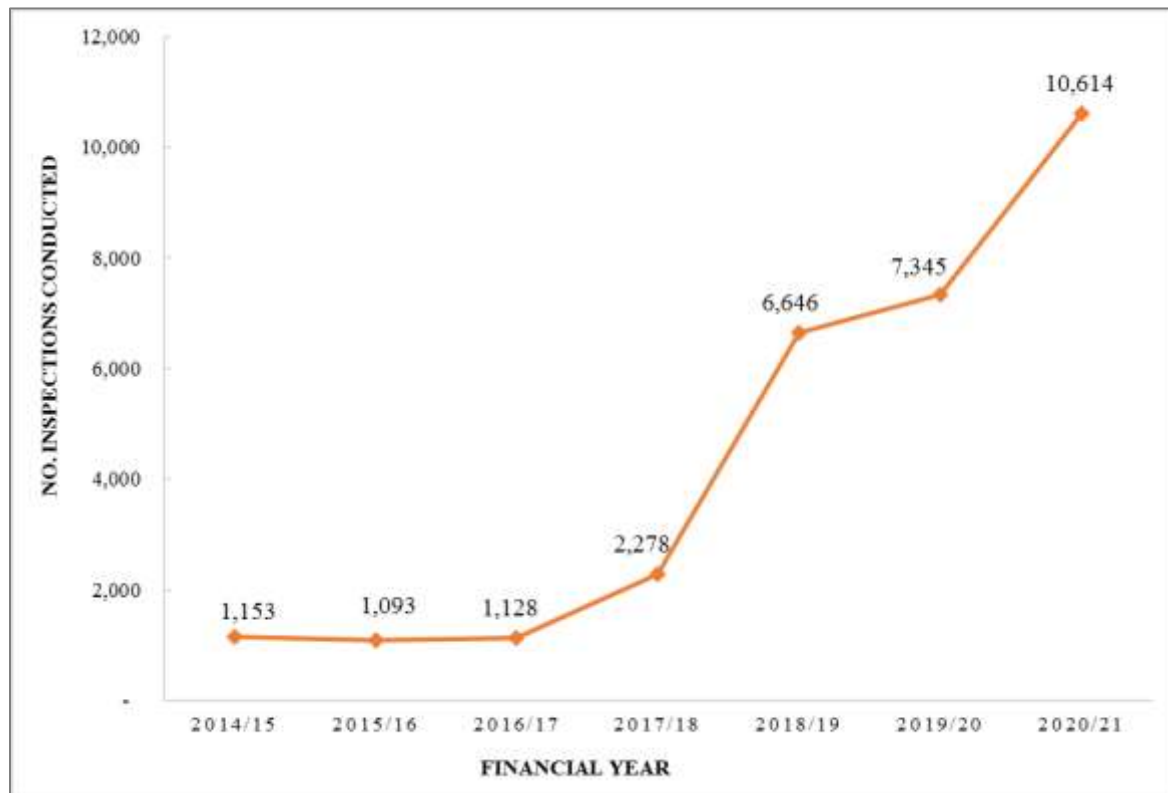


Table 8: Categories of businesses inspected FY 2020/21

Region	Supermarkets	Shops and Distribution Outlets	Manufacturing facilities	Hardware shops	Distribution trucks	Containers	Others	Total
Central	288	612	594	71	4,178	36	127	5,906
Eastern	101	309	103	16	1,331	0	50	1,910
Northern	63	225	119	18	619	0	19	1,063
Western	97	368	187	41	1,012	0	30	1,735
Total	549	1,514	1,003	146	7,140	36	226	10,614

Table 9: Summary of Seizures made FY 2020/21

Region	Supermarkets	Shops and Distribution Outlets	Manufacturing facilities	Hardware shops	Distribution trucks	Others	Total
Central	94	222	57	7	200	4	584
Eastern	37	109	4	4	30	0	184
Northern	25	67	19	2	15	0	128
Western	34	98	30	6	21	2	191
Total	190	496	110	19	266	6	1,087

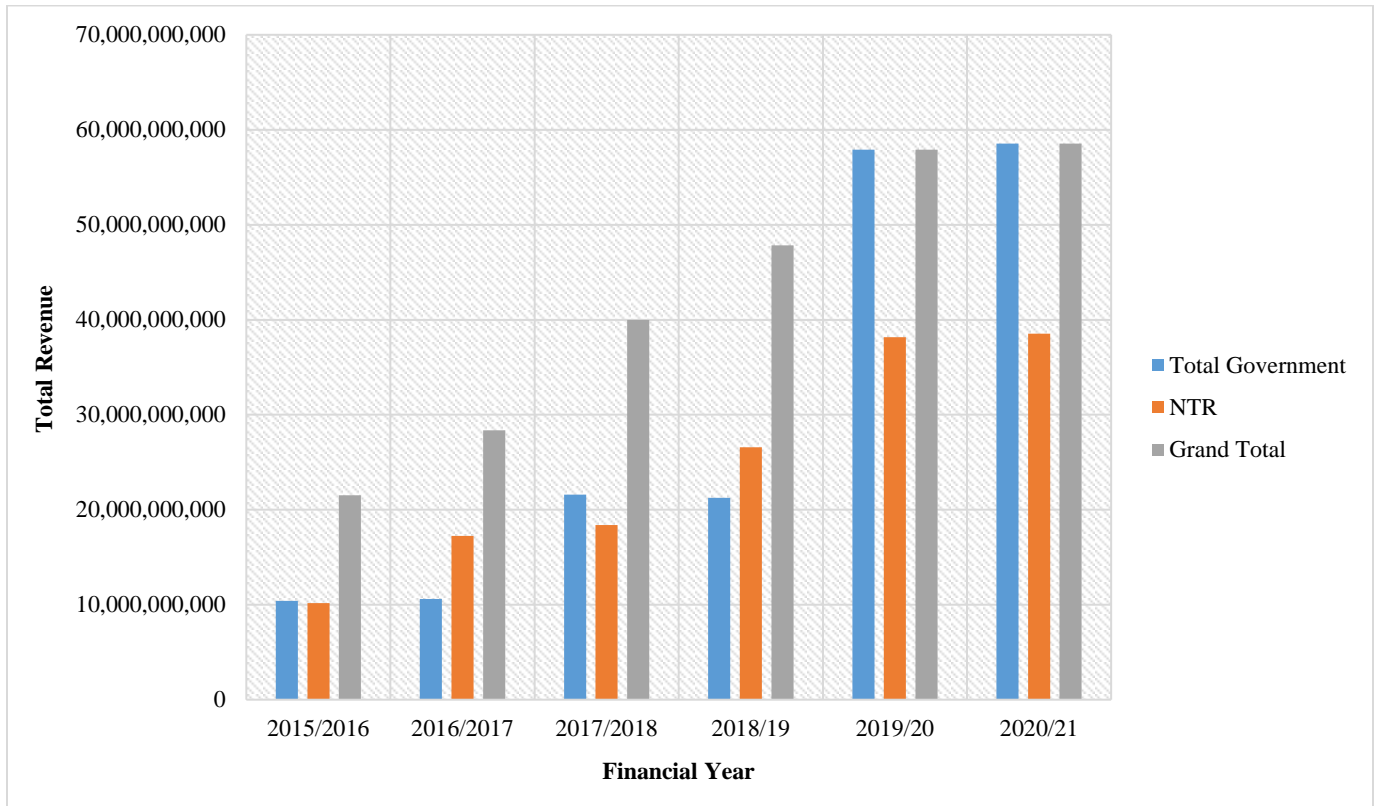
4.0 MANAGEMENT AND FINANCIAL SERVICES

4.1 Finance

UNBS obtains funding for its activities through GOU releases and Appropriation in Aid (NTR). The NTR revenue sources include the fees that clients pay to access some of the services that include; Verification fees, testing fees, calibration fees, certification fees, inspection fees, sale of standards.

The figure below shows the revenue UNBS has been receiving from the various revenue sources since the FY 2014/15. The revenue has been steadily growing mainly because of a significant growth in NTR collections over the years as shown in the figure below. However, in the FY 2019/2020 and FY2020/21, Total GoU revenue is equal to Grand total of revenue because of consolidation of NTR into GoU. The share of NTR to total revenue was high AT 65.8% in FY 2020/21. Details on funding and NTR are presented in Annex IV

Figure 8: UNBS funding trend



4.2 Human resource

The Bureau's staff establishment has increased to 439 staff, which represents 69% of the approved structure of 640 staff. Table 10 shows the distribution of the staff per department. The current Male/Female ratio is approximately 3:1 (326 Males and 113 Female) which is consistent with the ratio at the end of the last financial year.

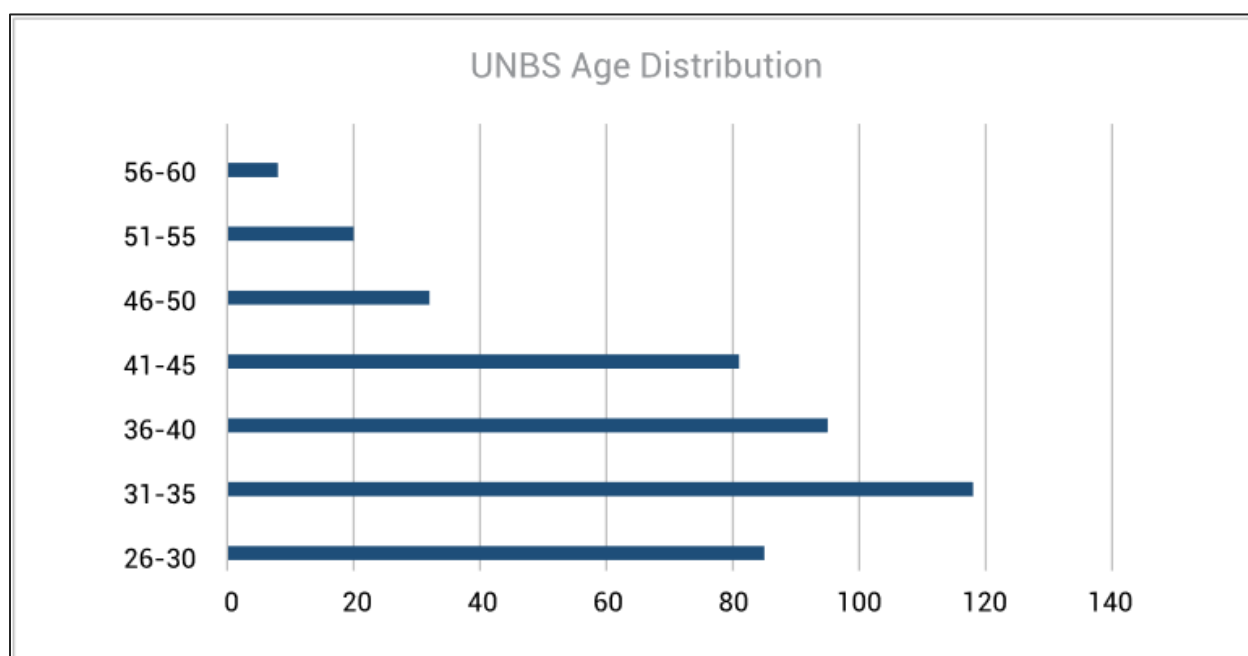
Table 10: UNBS Staff distribution

S/N	Department/Division	No. of Staff			
		2017/18	2018/19	2019/20	2020/21
1	Audit	3	5	8	7
2	Certification	20	23	39	38
3	Corporate planning	2	3	3	3
4	ED's Office	8	9	11	12
5	Finance & Administration	51	60	62	62
6	HRD	12	10	11	11
7	ICT	8	10	9	9
8	Imports Inspection	43	59	76	74
9	Legal	2	2	3	4
10	Legal Metrology	30	41	57	59
11	National Metrology	8	13	15	16
12	Public Relations	9	10	11	11
13	PDU	3	3	6	6
14	Standards	21	23	34	35
15	Surveillance	8	16	27	27
16	Testing	37	43	63	65
17	Graduate interns	28	7		
	Total	293	337	435	439

4.2.1 Age distribution

By the end of FY 2020/21, the majority of staff were in the age group between 31 years to 35 years, indicating that the Bureau's workforce is still relatively young and requires a lot of mentorship, development and retention (Fig 9)

Figure 9: Age distribution of UNBS staff



4.3 Information Technology

The ICT function at UNBS is responsible for giving support in ICT infrastructure to standardization activities. Over the years, ICT department has developed a number of ICT solutions that have enabled most UNBS services to be automated. The table below indicates the ICT programmes built since the FY 2014/15 to date.

Table 11: ICT systems Developed

Year	Programmes	Notes
2014/2015	E-Portal	Imports Clearing
2015/2016	LIMS	Laboratory information management
	Online support	Support to stakeholders
	Mobile payments	Easy method of payment via mobile networks
	sure Bill	Telephone usage billing
	Ticketing system	ICT support reporting tool
2016/2017	SIMS	Standards development process and tracking progress
	Mobile App	Information and processing tool

	HRMIS	It enables staff to apply for jobs, be appraised online, apply for leave online, access payroll and pay slips online
	Web store	Buy standards online
	Generator power monitoring	Power monitoring
	Website	Information sharing
2017/2018	Certification Information Management System (CIMS)	It enables online applications for certification, billing, schedules for auditing companies, audit reports, Certification reviews and recommendations for permits, executive decisions and e-permits, Extracting report etc.
	Equipment's Register	It handles all information about UNBS assets/equipment , allocations to staff , dates, procurement costs and extracting reports
	Trucks Information Management system	Handles information on trucks calibration, certificates, payments, and extracting reports
2018/19	HRIMS Development	New features were added
	Trucks Verification Information Management System	New features were added
	Standards Information Management System	Developed
	E-MINZANI IMS	Developed
	Certification information management system (CIMS)	Development and additional features
	LIMS	Development, Support and Maintenance
	UNBS APP Version 1.1.2	New features were added
E-Portal:	Re-structure of new submission data-sets based on package weights	
2019/20	E-MINZANI IMS Development	E-Minzani system developed, Launched and implemented. Updated E-Minzani mobile Apps & was installed on 31 POS terminals A step by step video guide was created for inspectors to use while updating their E-Minzani mobile Apps & also setting their devices to use SIM Cards
	Human Resource IMS integration with Time & Attendance System	Integrated HRMIS with the new Time & Attendance system. Time & Attendance system installed in the Standards

		House & regional offices of Mbale, Lira, Katwe, NML, Jinja, Mbarara, Gulu & Entebbe.
	LIMS upgrade	Enhanced LAB analysis interface to auto populate specifications configured by standards department and auto Pass /Fail samples. Enhanced the reporting module to add clients' payments on credited and debited transaction statements.
	Development of an Audit Module in CIMS	Audit Module was developed.
	E-Portal System update	<ul style="list-style-type: none"> • PVOC auto-clearance process module was developed and Launched. • An audit module was developed & implemented in the E-Portal system • Completed development & Implementation of ePortal API that enables integration with the SCIPA DTS. • Made technical API documentation for DTS integration with CIMS. To be shared with SCIPA team. • Reviewed the E-Portal system & URA APIs
2020/21	E-Minzani	<ul style="list-style-type: none"> • Stores information related to all weighing instruments in the country. • Payments are now through MOBILE MONEY. • Digital receipts are generated • Real time reports generated.
	MET-LIMS development, Installation & Implementation	MET-LIMS will Automate the NML information processes. Clients will be able to request for quotations for calibration work, NML will be able to generate the quotations, the system will confirm client payments and when the calibration is done, the calibration certificate can be sent to the client via e-mail. The system is expected to improving on turnaround time & improved service delivery to the clients.
	Coordinated successfully the development & deployment of the security layer on both E-portal & UESW API for inspection requests and Inspection reports.	<ul style="list-style-type: none"> • UESW can now successfully send encrypted inspection requests to E-Portal & E-Portal can also send encrypted inspection reports to UESW. • Greatly improved revenue generation due to reduced leakages

4.4 Public relations and marketing

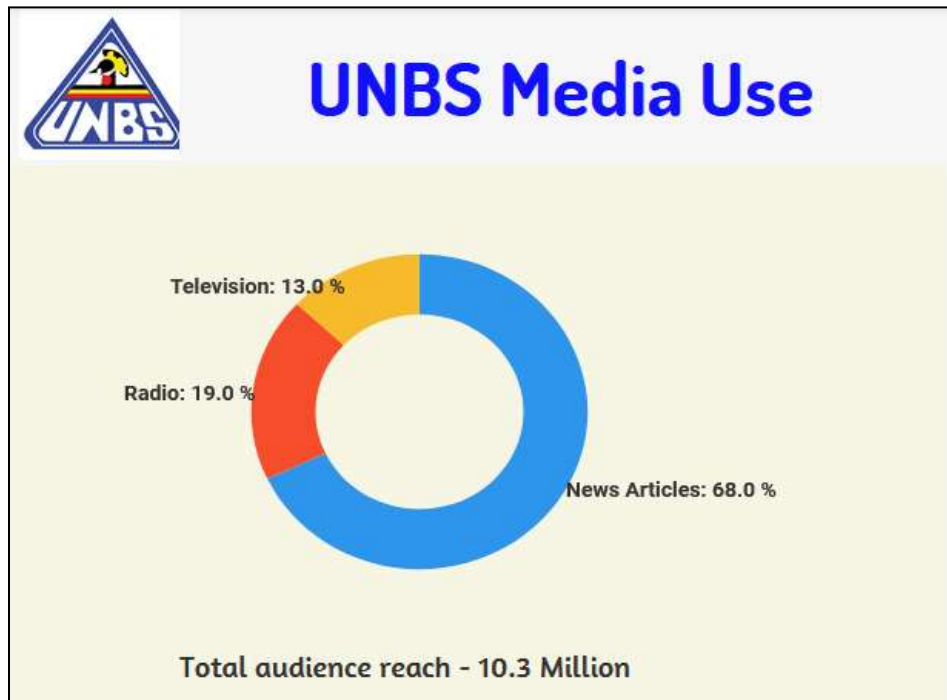
4.4.1 Media Engagements

UNBS maintained a vibrant presence in the mainstream and digital media platforms with mainly positive coverage and reports of UNBS activities and standards work.

Notable among others include; Public awareness campaigns on Maize standards and UNBS Certification requirements, Consumer education campaigns, Campaign to popularise the Pre Export Pre-export verification of conformity (PVoC) program, Plug and Play Solar Standards among others. This was implemented through news articles, advertiser supplements, public notices, radio and television talk shows and digital media messages. The various channels were chosen basing on appropriateness to suit the prevailing situation and to maximize reach to the targeted audience. The frequency of use of the different channels is contained in Figure 10.

News Articles (Print and online news) continue to dominate as the most commonly used medium of communication because of their flexibility and technological shift due to the COVID 19 pandemic and they accounted for 68% of the media used in FY 2020/21. This was followed by radio at 19% and finally television talkshows which accounted for 13%

Figure 10: Use of Different Media Channels in FY 2020/21

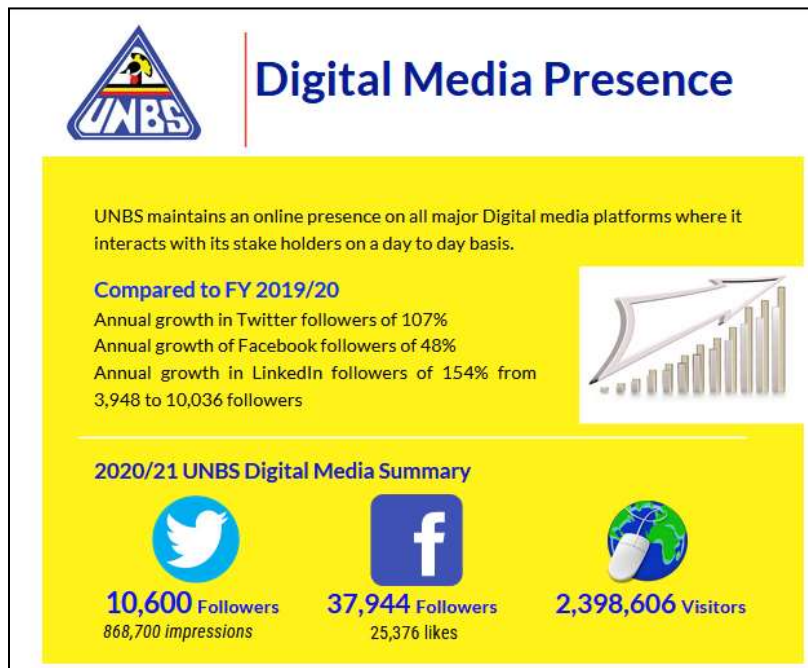


4.4.2 Digital Media

The Bureau maintained a vibrant online presence on all major social media platforms like Facebook, Twitter, Website, blog, YouTube and LinkedIn where it interacted with its stakeholders on a daily basis. The social media platforms are very imperative in the dissemination of information to stakeholders and resolution of stakeholder complaints. The Bureau also used the institutional website to disseminate information and it registered 2,398,606 visitors.

The UNBS Blog Spot where different Staff members contribute articles on the work of the bureau registered 4,563 visitors during the period under review. The reach of UNBS social media platforms registered growth from the 2019/20 levels as depicted in the summary performance shown in Figure 11.

Figure 11: UNBS Social Media Presence FY 2020/21



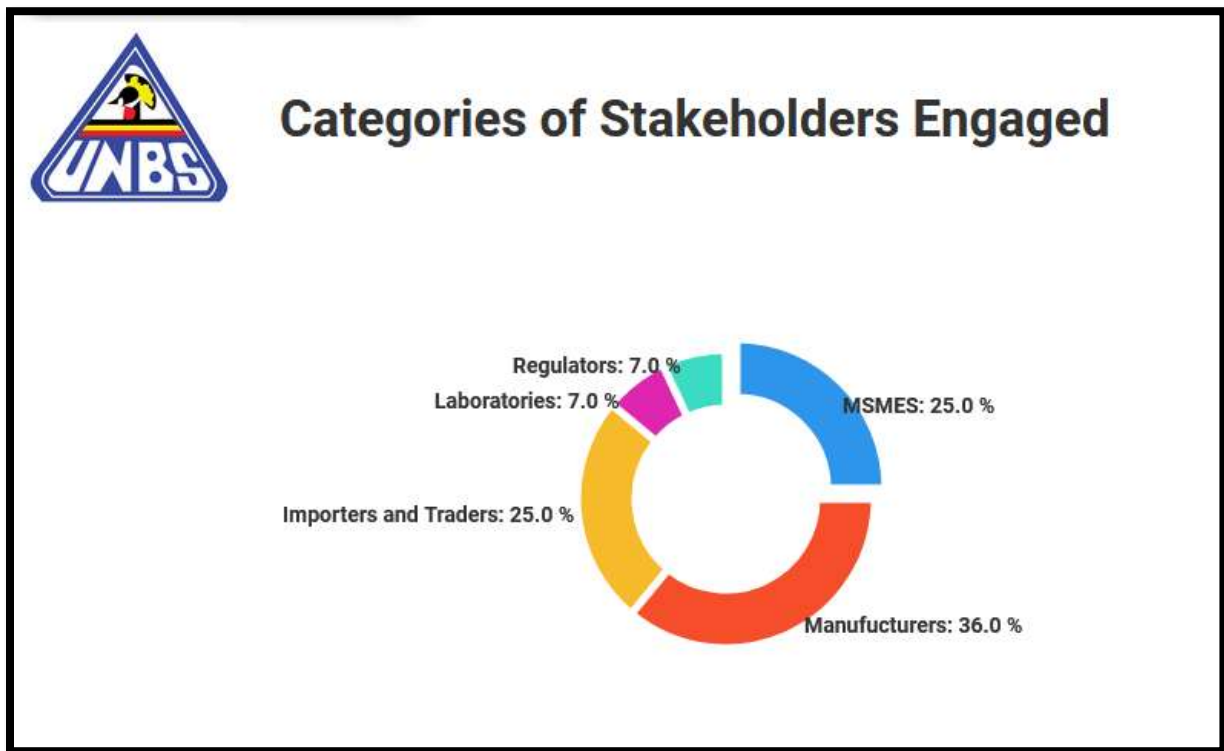
4.4.3 Stakeholder Engagements

In the wake of COVID 19 pandemic, UNBS adopted a hybrid method of stakeholder engagements with both physical meetings (strictly following the COVID 19 SOPs) and virtual engagements according to the target audiences and nature of stakeholders. A total of Thirty two (32) stakeholders' engagement meetings were conducted across the county, 19 were virtual stakeholder engagements and 13 physical interactions creating awareness with over Three thousand (3,000) stakeholders on UNBS work.

These engagements are expected to result into increased uptake of the various standards developed by UNBS and improving the quality of products and services being offered. The engagements brought together stakeholders from different categories as illustrated in Figure 12.

Manufacturers continue to enjoy a lion’s share of all the engagements by the Bureau with 36% of all engagements geared towards them mainly to create awareness on certification of their products among others. This was followed by the Micro, Small and Medium Enterprises (MSMEs) who have been identified as a very important and unique category of stakeholders due to their contribution to the poverty eradication agenda and the fact that many of them are owned by special interest groups like the women and youth.

Figure 12: Categories of Stakeholders Engaged



5.0 NATIONAL STANDARD INDICATOR FRAMEWORK (NSI)

UNBS being a government body is part of the national standard indicator framework. This is part of the national statistical system (NSS) that is used to track data on indicators from MDAs. It was implemented through the Plan for national statistical development (PNSD) that was aligned with the recently completed NDP II. The 3rd PNSD, has been developed aligned to NDP III. The major reason behind this was to harmonize government reporting and enhance accountability.

In collaboration with UBOS, and other oversight agencies like OPM, NPA and MoFPED that operate the national statistical system, Meta data was developed track the indicators UNBS produced during the implementation of NDP II in the tables below.

Currently, the UNBS strategic plan for statistics was developed to enable UNBS track her performance indicator under NDP III.

UNBS has 2 national standard indicators that include;

1. Level of prevalence of substandard imported and locally produced products on the Ugandan Market.
2. Number of Ugandan certified products accessing Regional International Markets.

Table 12: National standard Indicators

Indicator	2014/15	2015/16	2016/17	2018/19	2018/19	2019/20	2020/21
Level of prevalence of substandard imported and locally produced products on the Ugandan Market.	-	-	54%	51%	50%	50%	49%
Number of Ugandan certified products accessing Regional International Markets.	562	718	941	849	1,378	2,776	3,576

Table 13: UNBS Output indicators

Indicator	Description								Baseline 2014/ 2015	Available data						Comments	Source of discrepancies between national and global figures
	Definition & Standard Classification	Unit of Measure	Disaggregation	Compilation practices	Data Source	Computation method	Accessibility and availability of Data	Periodicity of production		2015/ 2016	2016/ 2017	2017/ 2018	2018/ 2019	2019/ 2020	2020/2021		
Uganda National Bureau Of standards (UNBS)																	
Number of standards developed	This is the number of standards developed / harmonized / adopted	Number	National/Regional/international, Engineering/chemical and Consumer products/ Management and Services/Food and Agriculture	Data obtained from Routine certification activities by UNBS & used to compile this indicator	Administrative data from Certification Department	Count of certification permits issued	UNBS statistical abstract, UNBS annual report	Quarterly, Bi annually, Annually	466	451	357	254	414	505	457	None	None
Number of certification permits issued	This is the number of certification permits issued	Number	National, Regional, Products/ Services	Data generated from routine testing activities at UNBS and used to compile this indicator	Administrative data from Testing Department	Count of product samples tested	UNBS statistical abstract, UNBS annual report, UNBS laboratory Data analytical report	Quarterly, Annually	542	718	941	872	1,378	2,729	3,424	None	None
Number of product samples tested	This is the number of	Number	National, laboratory	Data generated from routine	Administrative	Count of equipment	UNBS statistical abstract,	Quarterly, Bi annually, Annually	9526	9883	12439	14472	17,770	19,796	24,014	None	None

	product samples tested in UNBS laboratories			calibration activities at UNBS	data from National Metrology Laboratory	calibrated	UNBS annual report										
Number of equipment calibrated	This is the number of industrial equipment calibrated	<i>Number</i>	National	Data generated from routine Import inspection activities at UNBS and used to compile this indicator	Administrative data Imports inspection Department	Count of consignment inspected	UNBS statistical abstract, UNBS annual report	Quarterly, Bi annually, Annually	1359	1709	2677	2233	3538	3,354	4,233	<i>None</i>	<i>None</i>
Number of consignments inspected	This is the number of import consignment inspected	<i>Number</i>	National	Data generated from routine activities at UNBS and used to compile this indicator	Administrative data	Count of equipment verified	UNBS statistical abstract, UNBS annual report	Monthly, Quarterly, Bi annually, Annually	76618	99980	118467	133517	154,196	153,256	177,203	<i>None</i>	<i>None</i>
Number of equipment verified	This is the number of equipment verified	<i>Number</i>	National <i>Regional</i>	Data generated from routine market surveillance activities at UNBS and	Administrative data from Market Surveillance	Count of market outlets inspected	UNBS statistical abstract, UNBS annual report	Quarterly, Bi annually, Annually	720764	706939	757551	848456	1000787	1063277	1,217,915	<i>None</i>	<i>None</i>

				used to compile this indicator	Department												
Number of market outlet inspections conducted	This is the number of market outlets inspected	Number	National <i>Regional</i>	Data generated from routine market surveillance activities at UNBS and used to compile this indicator	Administrative data from Market Surveillance Department	Count of market outlets inspected	UNBS statistical abstract, UNBS annual report	Quarterly, Bi-annually, Annually	1153	1093	1128	2278	6646	7345	10,614	None	None

ANNEXES

ANNEX 1: Details of standards developed

Table 14: Detailed Standards Development per administrative unit

Administrative units	Indicator description		Jul-14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Engineering	No. of standards adopted	ISO	261	89	117	34	15	39	61	32
		IEC	0	19	33	0	0	0	0	16
	No. of regional standards (EAS)		0	34	5	5	6	0	35	16
	No. of regional standards (ARSO)	ARSO	-	-	-	-	-	-	-	-
	No. of regional standards (ASTM)	ASTM	-	-	-	-	-	-	-	-
	No. of indigenous standards (US)		13	1	15	20	31	23	29	33
	No. of withdrawn standards		23	48	52	8	7	13		12
Food and Agriculture	No. of standards adopted	ISO	6	79	55	43	22	39	11	22
		CODEX	84	0	34	5	7	4	5	2
	No. of regional standards (EAS)		0	29	13	29	0	21	62	22
	No. of regional standards (ARSO)	ARSO	-	-	-	-	-	-	3	3
	No. of indigenous standards (US)		0	25	8	22	14	32	29	16

	No. of withdrawn standards		3	72	11	22	12	47		28
Chemicals and consumer products	No. of standards adopted (ISO)		25	105	97	60	35	52	99	96
	No. of regional standards (EAS)		2	16	7	11	0	68	14	37
	No. of regional standards (ARSO)	ARSO	-	-	-	-	-	-	8	51
	No. of indigenous standards (US)		13	7	2	53	52	92	25	42
	No. of withdrawn standards		4	30	14	12	9	33		76
Management systems and services	No. of standards adopted (ISO)		41	55	55	71	27	11	124	61
	No. of regional standards (EAS)		0	0	0	0	0	0	0	1
	No. of indigenous standards (US)		1	7	0	1	21	23	0	5
	No. of withdrawn standards		0	4	5	22	0	1		23

Annex II: Weights and Measures statistics

Table 15: Legal Metrology- Weights and measures

Indicator description	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Counter Machines							
Kampala	65,857	63,967	60,106	71,507	75,152	58,569	82,241
Jinja	26,973	23,550	25,552	28,506	32,885	27,539	37,459
Mbale	12,680	14,544	18,288	19,131	18,487	12,515	16,139
Mbarara	13,374	14,227	15,434	14,838	13,167	12,348	16,755
Lira	2,195	2,615	3,288	2,812	5,100	3,214	4,205
Spring Balances							
Kampala	1,919	1,967	1,390	1,497	1,511	1,063	1,348
Jinja	1,253	1,087	852	994	1,030	982	810
Mbale	648	738	601	824	829	578	654
Mbarara	1,940	1,969	2,238	1,947	1,856	1,981	1,889
Lira	950	1,122	1,057	949	1,257	1,023	688
Plat Form Scales							
Kampala	1,776	2,511	1,786	2,225	2,261	2,523	3,204
Jinja	315	372	292	292	373	345	464
Mbale	186	413	319	611	459	273	377
Mbarara	453	473	603	571	872	883	824
Lira	152	202	207	158	337	455	424
Weights							
Kampala	297,669	286,184	310,098	351,127	342,075	275,548	414,604
Jinja	133,795	115,695	128,370	133,651	153,074	137,949	183,949
Mbale	63,015	72,590	73,391	94,987	94,375	62,291	80,583
Mbarara	66,831	68,732	74,950	79,862	68,224	61,740	84,003

Indicator description	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Lira	10,039	12,965	16,647	12,927	18,300	15,995	20,603
Fuel Dispensers	13,526	14,480	14,731	15,238	15,743	14,172	15,946
Pressure Gauges	337	337	337	323	467	586	589
Road Tankers	624	1,348	1,702	3,052	2,151	2,151	2,417
Dipsticks							290
Bulk Measures	260	305	264	292	266	302	474
Static Tanks	330	357	463	416	823	838	
Consumer goods	3,855	4,189	4,585	4,940	5,510	5,488	7,058
Electric Meters	-	-	3,689	23,624	144,471	343,687	238,418
Weigh Bridge						190	238
Rail wagon	-	-	-	-	-	-	78
Total	720,952	706,939	761,240	867,301	1,001,055	1,045,228	1,217,915

Annex III: Imports inspection details

Table 16: Imports inspection statistics

Indicator description	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Total Inspections	80,648	99,980	118,467	133,517	154,651	153,250	177,203
CoCs	16,265	16,595	18,976	24,486	54,112	48,893	53,199
CWRs	24,432	20,156	29,823	36,966	22,655	60,052	74,171
Destination Inspections				38,629	77,378	43,729	48,474
NCRs	436	664	629	499	506	576	181
Corrective Actions	1,830	1,956	2,667	4,312	1,459	3194	3,707
Goods RUS	293	135	390	458	324	664	492
Seized Goods	99	135	100	103	99	119	94
Samples	809	588	1,596	2,798	2,580	1967	3,031

Annex IV: Details on sources of funding and NTR

Table 17: Detailed revenue sources

Revenue source	2014/2015	2015/2016	2016/2017	2017/2018	2018/19	2019/20	2020/21
Government Recurrent	8,782,003,979	7,569,897,239	8,602,496,009	11,806,367,907	11,671,661,000	47,015,004,915	48,678,927,428
Government Development	3,600,424,300	2,839,398,641	2,120,513,239	8,279,037,687	9,579,748,000	10,895,612,201	9,867,477,227
<i>Total Government</i>	<i>12,359,696,074</i>	<i>10,409,295,880</i>	<i>10,723,009,248</i>	<i>20,085,405,594</i>	<i>21,251,409,000</i>	<i>57,910,617,116</i>	<i>58,546,404,655</i>
NTR	8,012,337,829	10,172,835,598	16,740,683,374	18,385,525,621	26,590,000,000	38,168,955,765	38,546,001,297
Projects	50,276,470	358,429,396	525,266,636	-	-		
Grand Total	20,394,766,108	21,083,406,637	27,988,959,258	38,470,931,215	47,841,409,000	57,910,617,116	58,546,404,655

Table 18: Non Tax revenue sources

Revenue source	2014/2015	2015/2016	2016/2017	2017/2018	2018/19	2019/20	2020/21
Legal Metrology	2,732,718,508	2,533,124,050	3,562,714,368	5,771,847,226	7,137,951,540	7,331,374,144	8,668,625,949
Testing fees	864,476,832	948,634,000	1,107,503,130	1,664,746,358	4,166,733,866	4,096,081,504	4,436,621,285
Calibration fees (NML)	237,694,640	352,979,243	417,785,200	481,812,357	666,248,101	550,339,300	586,544,500
Certification fees	832,500,239	888,341,565	1,132,292,173	1,274,745,500	1,723,234,800	3,009,786,000	3,856,246,523
Training and advisory	61,342,200	146,427,500	160,795,000	104,500,000	134,452,300	141,250,000	104,497,000
Imports inspection	3,551,887,853	5,378,144,080	10,414,636,737	15,750,785,020	18,640,365,968	22,902,463,700	20,574,716,739
Sale of standards	54,209,000	57,467,500	211,502,220	88,787,418	113,472,716	120,121,117	173,583,436
Miscellaneous income	143,126,749	-132,282,340	245,964,115	265,332,626	39,927,516	17,540,000	145,165,865
Total	8,477,956,021	10,172,835,598	17,253,192,943	25,402,556,505	32,622,386,807	38,168,955,765	38,546,001,297