



MALAWI BUREAU OF STANDARDS

Promoting Standardization and Quality Assurance in Malawi

MALAWI NATIONAL STANDARDIZATION STRATEGY (2021 – 2023)

'PROMOTING STANDARDIZATION AND QUALITY ASSURANCE'

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1 INTRODUCTION

This National Standardization Strategy (NSS) has been developed to guide the process of standardization in the Malawi Bureau of Standards (MBS). Success of any process is possible through proper planning and visionary goals.

The NSS outlines a three year national standards development plan based on identified national economic and non-economic priorities along with the needs of the stakeholders. The NSS has included sectors that have been identified as priority according to Malawi Growth and Development Strategy III, National Export Strategy and also those identified by information sources such as National Statistical Office and Trade Statistics data.

The NSS should therefore be understood as a call to action for all stakeholders to contribute to its consistent implementation and ongoing development. The MBS as the National Standards Body in Malawi is strongly committed to take leadership and responsibility in the timely implementation of this strategy according to the provisions of the MBS Act (Act No. 14 of 2012). This Strategy has been prepared following an extensive engagement process with stakeholders through newspapers, emails, letters, telephone calls and other existing networks. The Strategy has been approved by the MBS Management for implementation during a three-year plan period 2021-2023 (**2021/22, 2022/23 and 2023/24 financial years**).

During the development of this NSS, the following stakeholder categories were consulted:

- National Technical Committees (TCs);
- The private sector (Industry, Business Sectors);
- Small and Medium Enterprises (SMEs);
- Consumers Association of Malawi;
- Government Ministries, Departments and Agencies;
- Academia & Research Institutions;
- Non-Governmental Organizations (NGOs);
- Business Support Organizations (BSO); and
- Financial Institutions.

This is the second edition of the NSS, the following have been included:

- Emerging requests from stakeholders;
- Projects in the current Standards work programme (Issue No.29);
- Emerging requests to support the Malawi National Export Strategy (NES);

- Emerging requests to support the Malawi Growth and Development Strategy III (MGDS III 2017-2022); and
- Emerging requests to support Malawi's SDG initiatives.

The development of the NSS has placed priority on adopting International standards wherever possible. International standards play a key role in facilitating trade and ensuring the health and safety of both animal and plant life as well as protecting the environment.

2 ACKNOWLEDGEMENT

Appreciation to the MBS management for its support in making this reality. As indicated earlier, success is always possible with proper planning at the same time with the backing of the management. This is an indication of the commitment the MBS management has in realizing the Mission of the Malawi Bureau of Standards and also in achieving it as stipulated in the Malawi Bureau of Standards Strategic Plan (2017-22).

Gratitude is also expressed to the various standardization stakeholders who were consulted and submitted their standardization needs, that are a vital element of this NSS. The invaluable contribution by stakeholders is a reflection of their commitment to the implementation of this strategy.

3 THE MALAWI BUREAU OF STANDARDS (MBS)

3.1 Origin of the MBS

MBS is a statutory organization established by an Act of Parliament Chapter 51:02 in 1972 (Amended as Act No. 14 of 2012). The MBS was established with a mandate to promote metrology, standardization and quality assurance of commodities and of their manufacture, production, processing or treatment; and further to provide for matters incidental to, or connected with standardization.

The mandate was given as a means of:

- a)** Advancing the national economy;
- b)** Benefiting the health, safety and welfare of the community;
- c)** Assisting and protecting consumers;
- d)** Facilitating domestic and international trade; and
- e)** Furthering international cooperation in the field of standardization.

The MBS is also responsible for the enforcement of the Metrology Act (Act No. 10 of 2016).

3.2 Objectives of the MBS

The MBS Act outlines the following objectives, which have to be executed by the MBS in order to fulfill its mandate:

- a)** To promote standardization in commerce and industry;
- b)** To prepare and issue standards and to administer schemes based thereon;
- c)** To make arrangements to provide facilities for the testing and calibration of precision instruments, gauges and scientific apparatus, for the determination of their degree of accuracy by comparison with standards, approved by the Minister on the recommendation of the Board, and for the issue of certificates in regard thereto;
- d)** To make arrangements or provide facilities in order to examine, test or analyze articles, materials and substances;
- e)** To provide for the testing of locally manufactured or imported commodities with a view to determining whether such commodities comply with the provisions of this Act, the Merchandise Marks Act or any other law relating to standards of quality;
- f)** To control the use of standardization marks,
- g)** To encourage or undertake educational work in connection with standardization;
- h)** To provide for cooperation with any person, association or organization outside Malawi having objects similar to those of the MBS;
- i)** To assist any ministry, Government department, local authority, other public authority or any statutory corporation in the preparation and framing of the specifications or codes of practice required by it;
- j)** To provide for cooperation with the representatives of any branch of industry, ministry, Government Department, local authority, other public authority or any statutory corporation or with any person with a view to bringing about standardization in connection with commodities;
- k)** To assess quality systems and to administer the certification by such systems thus assessed;
- l)** To supply reference material for specific purposes; and
- m)** To perform, in so far as it is not repugnant to or inconsistent with the provisions of any written law, such functions as the Minister may assign to the MBS, so as to promote and maintain standardization and quality regarding commodities.

3.3 Overview of the MBS Strategic Plan

The MBS has a strategic plan which outlines the organizational vision and sets out strategic objectives to meet the expectations of the MBS and stakeholders for the period 2017-2022. The strategic plan also identifies actions to be undertaken to achieve the objectives and was prepared following wide consultations with stakeholders and within the organization, and constant feedback the organization gets from its clients and other stakeholders, and in view of the functions the organization has to undertake in order to fulfill its objectives as mandated by the Government through the MBS Act (Cap 51:02) of 1972 (Amended in 2012).

The 2017 – 2022 MBS Strategic Plan rests on five strategic pillars as follows:

- a) STRATEGIC PILLAR 1:** Institutional strengthening and capacity building;
- b) STRATEGIC PILLAR 2:** Institutional restructuring and governance reforms;
- c) STRATEGIC PILLAR 3:** Robust quality culture;
- d) STRATEGIC PILLAR 4:** Consumer protection and trade facilitation; and
- e) STRATEGIC PILLAR 5:** Financial growth and sustainability.

Note: For strategic objectives on each pillar (Refer to MBS Strategic Plan 2017-2022).

4 OVERVIEW OF THE NATIONAL STANDARDIZATION STRATEGY (NSS)

The NSS has been designed in line with the MBS strategic plan activities. It has charted a path that the MBS will follow in delivering on its set objectives. This strategy has a summary of activities and hence shows standardization projects which the MBS is going to handle in the immediate three years (2020-2023). The NSS is industry based as it incorporates proposals for standardization work that the industry is expecting from the MBS in the coming three years through a consultative process in its development phase.

The importance of standards on the National economy cannot be overemphasized, as such the development of the NSS has taken into consideration the needs of all the stakeholders in Malawi and also the economic sector areas for the nation ranked by their contribution to National economy by GDP and export.

The strategic imperative of the NES is for the long-term export trend to match the long-term import trend. It stipulates that once implemented, the NES will have facilitated access to both domestic and international markets, including Malawi's capacity to meet the standards requirements of importing countries, trade negotiation capacity and addressed non-tariff barriers. The NSS will play a leading role in ensuring that Malawi's NES goals are achieved by ensuring quality of export products thereby making the Malawian products compete on International market. The NSS allows for full participation of all parties in standards development and also in identifying the standardization projects based on their contribution to the National economy. The NSS has also been developed to support the MGDS III.

The needs of the stakeholders were also ranked by the proposers in terms of the most important/immediate standard to be developed and the least important (to be developed later). Guidelines in terms of the proposal submission were provided to all stakeholders through main newspapers, letters and the MBS website.

Monitoring of the NSS shall be conducted in terms of the output and its impact on the MBS services to the Nation. Since standards development is demand driven, the ultimate

goal of the NSS is to transfer the ownership of the standards development process to the stakeholders who are the end users of the product. It is therefore stressed that the NSS is not a stand-alone document. The communication and marketing strategies will be implemented along with this NSS in the final two years because these two strategies are currently under development. This NSS will therefore be implemented without the two other strategies in the 2020/21 year while the MBS finalizes development of the two strategies to complement this NSS.

5 SUMMARY ON NATIONAL PRIORITIES

5.1 Economic importance of an industry sector

Important sectors of the economy have been analyzed in this NSS based on the key aspects such as percentage contribution to GDP and contribution to national export earnings.

Annex A shows the existing statistical data from the National Statistical Office (NSO). It represents the Malawi's economic sectors that are ranked by their contributions to GDP. The following ranking criterion based on ISO Manual for Developing National Standardization Strategies was used:

Rank 1	> 10 % of GDP/Export
Rank 2	5 – 10 % of GDP/Export
Rank 3	1 – 5 % of GDP/Export
Rank 4	0.2 – 1 % of GDP/Export
Rank 5	< 0.2 % of GDP/Export

5.2 Non-economic priorities (Social importance)

Pertinent and urgent social issues affecting Malawi were also considered. Table 1 shows non-economic issues worth considering which have shown to have great impact on the economy of Malawi.

Table 1: NON ECONOMIC ISSUES (SOCIAL IMPORTANCE)

S/N	Non-Economic Issue	Rank	Justification
1	Transport safety	1	Very serious and urgent problem, public outcry
2	Fire safety	1	Very serious and urgent problem, public outcry
3	Buildings safety	1	Very serious and urgent problem, public outcry
4	Disaster/emergency preparedness and management	1	Very serious and urgent problem, public outcry
5	Health and safety	1	Very serious and urgent problem, public outcry

6	Environmental conservation/protection	1	Very serious and urgent problem, public outcry
7	Education services	3	Serious problem, some media reports
8	Service quality (e.g. hospitality sector services, health services, etc.)	3	Serious problem, some media reports
9	Security	3	Serious problem, some media reports
10	Drought emergencies and food security	3	Serious problem, some media reports
11	Waste treatment, discharge/disposal	3	Serious problem, some media reports
Ranking Guidelines Rank 1 – Very serious and urgent problem, public outcry Rank 2 – Serious problem, common occurrence, media attention Rank 3 – Serious problem, some media reports Rank 4 - Problem localized, no media reaction Rank 5 – Other issues			

5.3 Stakeholder consultation

The NSS has been developed following wide consultations with all stakeholders to get the real picture of standardisation needs in the country. Priorities for standardization were considered on information provided by stakeholders on a scale 1 – 5, where priority 1 is the highest and 5 is the lowest. Vast areas of standardisation proposals were collected and compiled as shown in Annex B.

5.4 Expected future needs

Issues of future needs based on national development plans and policies were considered. Therefore, the NSS identified priority areas the nation is expecting to grow economically in the future and as stated in MGDS III.

Table 2 shows ranking of the sectors expected to have greater importance according to development plans.

Table 2: RANKING OF SECTORS EXPECTED TO HAVE GREATER IMPORTANCE ACCORDING TO DEVELOPMENT PLANS

S/N	Sector	Rank	Justification
1	Agriculture, Water development and Climate change management	1	Great importance expected in near future
2	Education and Skills development	1	Great importance expected in near future
3	Energy, Industry and Tourism development	1	Great importance expected in near future
4	Transport and ICT Infrastructure development	2	Greater importance, if certain conditions are fulfilled
5	Health and Population management	1	Expected to gain great importance in the near future

Ranking Guidelines according to ISO manual for developing NSS

- Rank 1** – Great importance expected in near future
Rank 2 – Greater importance, if certain conditions are fulfilled
Rank 3 – Some importance expected in medium term
Rank 4 – Some importance expected in long term
Rank 5 – No increase in importance expected

Source: MGDS III and IMF Country Report No. 17/184

5.5 Justification (Projects prioritization)

The four categories (Refer to sections **5.1**, **5.2**, **5.3** and **5.4**) were then combined as guided by the ISO Methodology to identify overall priorities in order to assign ranks to projects. During the development of this NSS, the importance/ priority of each sector was established based on contribution to GDP, contribution to exports, current national development plan, and social benefit aspects. Wide consultations with the stakeholders were done before arriving at the current plan to ensure the NSS is in line with stakeholders needs.

6 PROJECT PROPOSALS

The NSS puts together all proposals as requested by the stakeholders and also projects which were undergoing development in the MBS standards work plan. It has also compiled all standards that are due for revision. This is to ensure that all standardisation proposals are tracked and also to ensure that standards are up to date. Table 3 below gives a summary of proposals in figures. The projects have been divided according to Divisions in the Standards Development Department. A total of **1017** standardisation proposals have been identified and compiled as shown in Annex **C1**, **C2** and **C3**. A summary of this is presented in Table 3 of the NSS.

Table 3: SUMMARY OF STANDARDISATION PROPOSALS

Division	Number of Ad	Number of Ev	Number of Ac	Number of Na	Number of Mo	TOTAL
Chemicals and Textiles	57	202	12	54	0	325
Food and Agriculture	146	82	5	168	1	402
Engineering and Materials	46	235	9	0	0	290
TOTAL	249	519	26	222	1	1017

Total number of **1017** standardisation proposals have been identified.

Ev, Ad,

7 NEEDED HUMAN AND FINANCIAL RESOURCES AND WORK ITEMS IMPLEMENTATION PLAN

7.1 Human resources by type of work item and category

The development of Malawi standards in each division is accomplished through Technical Committees (See Annex D for current list of TCs). These are managed by Officers that are responsible for standards development. Currently, the MBS has a total number of 7 Technical Officers who for the purpose of the NSS will be designated as Standards Officers. Each Standards Officer will perform the duties of Technical officer, Editor and Secretary for the TC they are assigned to manage.

Annex E provides, with calculations, of total work load per sector of standardization. Type of work for national standardization projects are also classified as Adoption of an international or regional standard (**Ad**), Evaluation of an international or a regional standard with an intention of adopting it (**Ev**), Active participation in the international or regional TC for development of appropriate standard (**Ac**), National development (**Na**) and Monitoring of the international and/or regional standardization activities in the given field (**Mo**).

The man-days rates per standard per category of work (Ad, Ev, Ac, Na and Mo) was set based on the methodology outlined in ISO Manual for Developing National Standardization Strategies and previous experience on National standard development process during the last three years.

Finally, the work load of TO is calculated by dividing the total number of man-days per sector to the total number of available working days per 3 years, which is 630 days. The number of available working days per year is taken as 210 days, by taking into consideration of all weekend days, leave days and holidays.

7.1.1 Comparison of available resources with needed resources for the projects

Having estimated the workdays that need to be devoted by the personnel responsible for Standards Development for one element of each type (Ad, Ev, Ac, Na, Mo), the available human resources was assessed to find out whether the resources would be sufficient to process the whole list of **1017** projects. According to the MBS Strategic Plan (2017-22), the indicated targets can only be met if management considers recruiting more Officers in each division. To ensure execution of the strategy, human resource gaps identified in Annex E will be addressed through **recruitments** as per approved establishment. With the additional officers as assumed in the plan the department can manage to accomplish the planned **1017** projects in 3 years. Work plans (see Annex F, sample) shall be developed by TOs and the selection of projects shall be by priority allocation.

7.2 Financial resources needed over the three-year period

The implementation of the NSS will be funded through approved annual budgets of the MBS.

8 MONITORING AND EVALUATION

The NSS is a living document. Monitoring is an important element of any project management because it allows transparent and objective evaluation. The success of this NSS depends on the execution of the projects as demanded by the stakeholders. It shall be monitored and evaluated on a yearly basis and the respective officers in each division will be expected to monitor their projects and supervised by the Deputy Directors of respective Standards Department Divisions. The Director of Standards Development will take lead in the implementation of the NSS. Annual reviews of the implementation plan will be undertaken to consider emerging requests and overriding factors. The outcomes shall be communicated to the stakeholders so that the stakeholders own the project document and the standardisation process itself.

Annex A

SUMMARY OF ECONOMIC ANALYSIS RANKING OF SECTORS BY CONTRIBUTION TO GDP AND EXPORT

ECONOMIC ANALYSIS (Source: Website of the National statistics Office (MW) and International Trade Centre (ITC) on 2018 export data)		
Economic sector	Economic field	Combine economic ranking
Agriculture	Tobacco and manufactured tobacco substitutes	1
	Coffee, tea, mate and spices	2
	Sugar and sugar confectionary	2
Real estate activities	Generally	2
Agriculture	Oil seed, oleagic fruits, grain, seed, fruit, etc	2
	Edible vegetables and certain roots and tubers	2
	Cotton	4
Manufacturing	Articles of apparell, accessories, not knit or crochet	4
Other services	Generally	3
Agriculture	Edible fruits, nuts, peel of citrus fruit, melons	3
Mining and Quarrying	Ores, slag and ash	4
	Uranium or thorium ores and concentrates	4
Construction	Iron and steel	5
Transportation	Vehicles rather than railway tram way	4
Manufacturing	Electrical and electronic equipment	3
	Essential oils, perfumes, cosmetic, toiletries, etc	4
	Glass and glassware	4
	Manufactures of plaiting material, basketware, etc	4
	Beverages, spirits and vinegar	4
	Other made textile articles, sets, worn clothing, etc	4
Agriculture	Vegetable fats and oils	3
	Fish, crustaceans, molluscs, aquatic invertebrates	4
Agriculture	Live animals	3
	Dairy products, eggs, honey, edible animal products	3
	Raw hides and skins (other than furskins) and leather	3
	Animal fats and oils	3
	Wool, animal hair, horsehair, yarn and fabric thereof	3
Mining and Quarrying	Base metal	4
	Otherbase metals, cermets, articles thereof	4
Construction	Cement	5
	Plaster	5
	Ceramic products	5
Transportation	Ships, boats and other floating structures	5
Manufacturing	Generally	4
	Soaps, lubricants, waxes, candles, modelling pastes	4
	Miscellaneous manufactured articles	4
	Knitted or crocheted fabric	4
	Carpets and other textile floor coverings	4
	Manmade staple fibres	4
Chemicals	Generally	5
	Fertilisers	5

ECONOMIC ANALYSIS (Source: Website of the National statistics Office (MW) and International Trade Centre (ITC) on 2018 export data)		
Economic sector	Economic field	Combine economic ranking
	Tannings, dyeing extracts, Tannins, derivs pigments	5
	Inorganic chemicals, preciousmetal compounds isotops	5
	Sulphur	5
	Salt	5
	Pharmaceuticals	5

Annex B

STAKEHOLDER REQUESTS

Economic sector	Field	Subject	Proposed item	Proposer	Priority
Agriculture	Crops and crop products	Coffee, tea, mate and spices	MS 53:1990, Chilli sauce – Specification	QASD	1
			DMS 1049:2016, White tea – Specification	QASD	1
			Fresh chillies	QASD	1
			Garlic paste	QASD	1
			Chilli oil	QASD	1
			MS 43:2008, Black tea - Definition and basic requirements (review based on ISO 3720:2011)	TSD/QASD	1
			MS 410:1994, Black tea - Methods of test	TSD/QASD	3
			MS 412:1994, Black tea - Methods of sampling: Sampling from small and large containers	TSD/QASD	3
			MS 459:1994, Black tea - Vocabulary	TSD/QASD	3
			Iced tea – Specification	QASD	1
			Flavoured tea – Specification	QASD	1
			Green coffee beans	QASD	1
			DMS 98:1986, Spices and condiments - Methods of test	TSD	3
			DMS 226:1990, Garlic – Specification	Land O' Lakes	1
			Mango Achar – Specification	Land O' Lakes	1
			MS 143:1987, Spices and condiments - Determination of water - insoluble ash	TSD/QASD	4
			MS 152:1988, Turmeric, whole or ground - Specification	TSD/QASD	1
		Sugar and sugar confectionary	MS 203:1989, Glucose syrup, Specification	TSD/QASD	1
			DMS 204:1989, Dextrose anhydrous - Specification	TSD/QASD	1
			Liquid glucose	TSD/QASD	1
			Bread crumbs	TSD/QASD	1
		Oil seed, oleagic fruits, grain, seed, fruit, etc	DMS 233:1990, Cakes - Specification	TSD/QASD	1
			Dhall/Split lentils – Specification	Rab Processors Limited	1
			Frozen carrots	CHANCO	1
			Cassava crisps	LUANAR	1
		Edible fruits, nuts, peel of citrus fruit, melons	DMS 213:2013, Groundnuts	LUANAR	1
			Dried fruits – Specification	Land O' Lakes	1
			Dried vegetables – Specification	CHANCO/QASD	1
			Pickled fruits and vegetables	CHANCO/QASD	1
			Roasted macadamia	TSD/QASD	1

Economic sector	Field	Subject	Proposed item	Proposer	Priority
			Canned mushrooms	QASD	1
			Raw macadamia nuts	QASD	1
			Roasted groundnuts	QASD	1
			DMS 481:1983, Citrus fruits - Specification	QASD	1
		Cereals, Corns, grains and legumes	Corn puffs	TSD/QASD	1
			Maize bran	TSD/QASD	1
			Guidelines for Ready to use Therapeutic Foods (RUTF)	UNICEF	1
			Corn soy blend	UNICEF	1
			Crisps and corn snacks	QASD/TSD	1
			Oats - Specification	QASD/TSD	1
			Millet flour (Mawere)	QASD	1
			Soya beverage	QASD/TSD	1
			MS 242:1991, Cow peas - Specification	Ministry of Industry, Trade and Tourism	1
			Roasted cashew kernels (UNECE)	QASD	1
			Roasted groundnuts	QASD	1
		Edible fats and oils	Baking fats (Vegetable fats)	QASD/TSD	1
			Fat spread (Vegetable fats)	QASD/TSD	1
			MS 56:1990, Edible oils and fats - Methods of analysis	TSD	4
			Sun dried fish	Department of fisheries	1
		Dairy products, eggs, honey, edible animal products	Honey standard	Ministry of Industry, Trade and Tourism/MZUNI	3
		(Milk and Milk products)	Flavoured milk drinks	QASD	1
			MS 190:1994, Cheese - Method for chemical analysis	TSD	3
			MS 197:1988, Milk - Determination of freezing point	TSD	3
			MS 198:1993, Cream - Determination of fat content	TSD	3
			MS 292:1991, Milk and milk products - Methods of test - Microbiological examination - Part 1: Total plate count	TSD	3
			MS 292:1991, Milk and milk products - Methods of test - Microbiological examination - Part 2: Coliform count	TSD	3
			MS 292:1991, Milk and milk products - Methods of test - Microbiological examination - Part 3: Yeasts and moulds	TSD	3
			MS 292:1991, Milk and milk products - Methods of test - Microbiological examination - Part 4: Swab test	TSD	3
			MS 549:2001, Milk powder handling - Code of practice	Rab Processors	2
		Animal feeds standards (Poultry piggery and dairy)	Dog food	MoAIWD/QASD	1

Economic sector	Field	Subject	Proposed item	Proposer	Priority
			MS 417:1995 Meat meal and meat and bone meal as livestock feed - Specification	QASD	2
			MS 422:1997, Fishmeal as livestock feed - Specification	QASD	2
			MS 423:1995, Bone meal as livestock feed - Specification	QASD	2
			MS 424:1997, Blood meal as livestock feed - Specification	QASD	2
			MS 510:1997, Fish meal - Vocabulary	QASD	2
			Feed premixes	QASD	2
		Meat and meat products	Minced meat	QASD	2
			Dried meat	QASD	2
			Goat carcasses and meat cuts	QASD	2
			Carcasses and cuts	QASD	2
			Smoked beef, meat, pork and chicken	QASD	2
Food, Food products and additives	Food additives		DMS 211:2001, Synthetic food colours, preparations and mixtures - Specification	QASD	2
			DMS 301:1991, Synthetic food colour - Preparations and mixtures - Specification	QASD	2
			DMS 401:1992, Synthetic food colours, common names - Specification	QASD	2
			DMS 402:1992, Synthetic water soluble food colours - Methods of sampling and analysis	QASD	2
			Food grade citric acid for use in beverages	QASD	1
	Beverages	Alcoholic & Non- alcoholic	Freezes	QASD/TSD	1
			Komboucha drinks – Specification	QASD	1
			MS 177:206, Fruit squashes - Specification	Castel Mw Limited	1
			Health drinks	QASD	1
			Ciders and ale – Specification	Chibuku Product Ltd	1
			MS 210:1990 Spirit-Specification	Castel Mw Limited	1
			MS 107:1988 Alcoholic beverages – Methods of test	TSD	3
			MS 411:1992 Opaque beer – Methods of test	TSD	3
			MS 208:2014, Opaque beer – Specification	Chibuku Product Ltd	1
	Food processing, Packaging and labelling		MS 21:2002, Food and food processing units - Code of hygienic conditions	QASD	2
			MS 624:2001 Nutrition labelling - Guidelines	QASD	3
			MS 625:2001 Nutrition claims - Guidelines	QASD	3
			Hessian Sacks	QASD	1
Energy	Electricity		VAr-hour (reactive energy) meters	NERA	1
			Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 11: Metering equipment (With Amendment 2016)	NERA	1
			Electricity metering equipment (a.c.) - Particular requirements - Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2)	NERA	1

Economic sector	Field	Subject	Proposed item	Proposer	Priority
			Electricity metering equipment (a.c.) - Particular Requirements - Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)	NERA	1
			Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2)	NERA	1
			Electricity metering - Data exchange for meter reading, tariff and load control - Part 21: Direct local data exchange	NERA	1
			Electricity meters – marking of auxiliary terminals for tariff devices	NERA	1
			Electricity metering – Local and remote data exchange – Applications and performance	NERA	1
			Electricity metering equipment (ac) – particular requirements – Part 61: power consumption and voltage requirements	NERA	1
			Electricity metering data exchange - The DLMS/COSEM suite - Part 3-1: Use of local area networks on twisted pair with carrier signalling	NERA	1
			Electricity metering – Data exchange for meter reading, tariff and load control – Part 41: Data exchange using wide area networks: Public Switched Telephone Network with LINK+ protocol	NERA	1
			Electricity metering - Data exchange for meter reading, tariff and load control - Part 51: Application layer protocols	NERA	1
			Instrument transformers - Part 2: Additional requirements for current transformers	NERA	1
			Instrument transformers - Part 3: Additional requirements for inductive voltage transformers	NERA	1
			Instrument transformers - Part 4: Additional requirements for combined transformers	NERA	1
			Instrument transformers - Part 5: Additional requirements for capacitor voltage transformers	NERA	1
			Good manufacturing and handling practice for hardware, electrical and chemical products	NERA	1
	Essential oils, perfumes, cosmetic, toiletries, etc	Soaps, lubricants, waxes, candles, modelling pastes	MS 52:2000, Liquid toilet soap	Candlex Limited	1
			Detergent paste – Specification	Rab Processors Ltd	1
			Laundry services	CFTC	1
		Skin care products	MS 108:2013 Petroleum jelly for cosmetic industry – Specification	Candlex Limited	1
		Candles	MS 33: 1985 Candles – Specification	Candlex Limited	1
	Lubricants and Grease		High performance engine lubricating oil for diesel engines (for API Service Category CI-4) – Specification	QASD	1
			High performance engine lubricating oil for petrol engines (for API Service Category SL) – Specification	QASD	1
			High performance engine lubricating oil for diesel engines (for API Service Category CH-4) – Specification	QASD	1
			DMS 1504:2019, High performance engine lubricating oil for petrol engines (for API Service Category SJ) – Specification	QASD	1
			Wax polish for floors and furniture – Specification	QASD	1
			Wax shoe polish – Specification	QASD	1
			Wax polish – Method of test for heat-cool stability	QASD/TSD	1

Economic sector	Field	Subject	Proposed item	Proposer	Priority
			Wax polish – Determination of water content	QASD	1
			Wax polish – Determination of the softening point of the non-volatile matter	TSD	3
			Wax polish – Method of test for penetration	TSD	3
			Wax polish – Method of test for performance	TSD	3
			Wax polish – Determination of non-volatile matter content and the ash content of no-volatile matter	TSD	3
		Paints and varnishes	Automotive paints – Specification	QASD	1
			DMS 285:1991, Paints and varnishes - List of equivalent terms	QASD	1
			DMS 379:1992, Reflectorized road marking paints - Specification	QASD	1
			DMS 380:1992, Distemper powders - Specification	QASD	1
			DMS 168:1987, Raw materials for paints and varnishes - Specification	QASD	1
			DMS 382:1992, Paint thinners - Specification	QASD	1
			DMS 383:1992, Automotive paints - Methods of test	TSD/QASD	3
			DMS 385:1992, Turpentine - methods of test	TSD/QASD	3
			DMS 387:1992, Bituminous paints - Methods of test	TSD/QASD	3
			DMS 281:1991, Paints - Glossary of terms	TSD/QASD	4
			DMS 395:1992, Aluminium finishing paint (water resistant) - Specification	TSD/QASD	1
			DMS 399:1992, Paint removers - Specification	TSD/QASD	1
			DMS 406:1992, Priming paint for steel (Red oxide) - Specification	TSD/QASD	1
			DMS 418:1992, Epoxy resin-based primers	TSD/QASD	1
			DMS 419:1992, Epoxy resin-based finish paints - Specification	TSD/QASD	1
			DMS 421:1991 Baking enamel primer	TSD/QASD	1
			DMS 818:2009, Pigments and extenders - Specification	TSD/QASD	1
			DMS 821:2009, Extenders for paints (dolomite) - Specification	TSD/QASD	1
		Fertilisers, Limes and other Agricultural; chemicals	Organic manure	QASD	1

Annex C1

CHEMICALS AND TEXTILES DIVISION PROPOSED STANDARDISATION PROJECTS

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
MS 52:2000, Liquid toilet soap	1*	NA					Na	
Detergent paste – Specification	2	NA					Na	
Laundry services	2	NA					Na	
MS 108:2013 Petroleum jelly for cosmetic industry – Specification	1	NA					Na	
MS 33: 1985 Candles – Specification	1	NA					Na	
High performance engine lubricating oil for diesel engines (for API Service Category CI-4) – Specification	1	ISO		Ad				
High performance engine lubricating oil for petrol engines (for API Service Category SL) – Specification	1	ISO		Ad				
High performance engine lubricating oil for diesel engines (for API Service Category CH-4) – Specification	1	NA		Ad				
High performance engine lubricating oil for petrol engines (for API Service Category SJ) – Specification	1	NA		Ad				
Wax polish for floors and furniture – Specification	1	NA		Ad				
Wax shoe polish – Specification	1	NA		Ad				
Wax polish – Method of test for heat-cool stability	3	NA		Ad				
Wax polish – Determination of water content	3	NA		Ad				
Wax polish – Determination of the softening point of the non-volatile matter	3	NA		Ad				
Wax polish – Method of test for penetration	3	NA		Ad				
Wax polish – Method of test for performance	3	NA		Ad				
Wax polish – Determination of non-volatile matter content and the ash content of no-volatile matter	3	NA		Ad				
Automotive paints – Specification	1*	NA					Na	
DMS 285:1991, Paints and varnishes - List of equivalent terms	3	NA			Ev			
DMS 379:1992, Reflectorized road marking paints - Specification	1	NA			Ev			
DMS 380:1992, Distemper powders - Specification	1	NA			Ev			
DMS 168:1987, Raw materials for paints and varnishes - Specification	1	NA			Ev			
DMS 382:1992, Paint thinners - Specification	1	NA			Ev			

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
DMS 383:1992, Automotive paints - Methods of test	2	NA			Ev			
DMS 385:1992, Turpentine - methods of test	3				Ev			
DMS 387:1992, Bituminous paints - Methods of test	2				Ev			
DMS 281:1991, paints - Glossary of terms	3				Ev			
DMS 395:1992, Aluminium finishing paint (water resistant) - Specification	1				Ev			
DMS 399:1992, Paint removers - Specification	1				Ev			
DMS 406:1992, Priming paint for steel (Red oxide) - Specification	1				Ev			
DMS 418:1992, Epoxy resin-based primers	1				Ev			
DMS 419:1992, Epoxy resin-based finish paints - Specification	1				Ev			
DMS 421:1991 Baking enamel primer	1				Ev			
DMS 818:2009, Pigments and extenders - Specification	1				Ev			
DMS 821:2009, Extenders for paints (dolomite) - Specification	1						Na	
Organic manure	1				Ev			
Detergent skin cleanser - specification	1				Ev			
Bathing bars- specification	1				Ev			
Lubricating grease- specification	1				Ev			
Carbolic soap- specification	1				Ev			
Toilet soap- specification	1				Ev			
Solid waste- handling, transportation and disposal- code of practice	3				Ev			
Soaps- methods of analysis	3				Ev			
Antibacterial liquid toilet soap- specification	1							
Petroleum products and lubricants - Petroleum oils and other fluids - Determination of rust preventing characteristics in the presence of water	3			Ad				
High performance engine lubricating oil for petrol engines and light duty diesel engines - Specification	1			Ad				
Wax floor polish- specification	1			Ad				
Limes for use in building- specification	1			Ad				
Diesel engine lubricating oil - Specification	1			Ad				
Plaster of paris bandages - Specification	1			Ad				
The handling, storage and disposal of pesticides and their containers – Code of practice	3			Ad				

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Limes for water treatment- specification	1				Ev			
Limes –method of test	4				Ev			
Petroleum jelly (petrolation) – specification	1						Na	
Petroleum industry - Above-ground non-pressurized horizontal cylindrical steel storage tanks for petroleum products – Manufacture and testing	3				Ev			
Petroleum industry - Underground non-pressurised horizontal storage tanks – Manufacture and testing	4				Ev			
General requirement for pesticides- specification	2				Ev			
Chemical laboratories – code of safety	3				Ev			
Petroleum jelly for cosmetic industry - Methods of test	3				Ev			
Textiles - Determination of mass	3				Ev			
Textiles, Floor covering - Classification and terminology	3				Ev			
Textiles, Seam types - classification and terminology	3				Ev			
Textiles – standard atmosphere for conditioning and testing	4				Ev			
Fishing nets – designation of netting yarns in the textiles system	3				Ev			
Textiles – woven fabric description	3				Ev			
Fishing nets, - Descriptions and designation of knotted knitting	3				Ev			
Fishing nets, handling of netting – basic terms and definition	3				Ev			
Textiles - preparation, marking and measurement in tests for determination of dimensional change	5				Ev			
Burning behaviour of textiles and textile products - vocabulary	5				Ev			
Fertilizers and soil conditioners - Vocabulary	3				Ev			
Raw materials for paints and varnishes - Specification	2				Ev			
Sampling of chemical products for industrial use – safety in sampling	3				Ev			
Unleaded petrol – specification	1				Ev			
Petrol - Code of practice for blending	3				Ev			
The Petroleum industry Part 1: Storage and distribution of petroleum products in above-ground bulk installations	3				Ev			
The Petroleum industry	3						Na	

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Part 2: Electrical and other installations in the distribution and marketing sector								
The Petroleum industry Part 3: The installation of underground storage tanks, pumps/dispensers and pipe work at service stations and consumer installations – Code of practice	3				Ev			
The Petroleum industry Part 3: The installation of underground storage tanks, pumps/dispensers and pipe work at service stations and consumer installations – Code of practice	3				Ev			
Acoustics – noise pollution – tolerance limits	3				Ev			
Ballpoint pens – specifications	2				Ev			
School chalk – specification	2				Ev			
Production of intravenous fluids code of practice	3				Ev			
Water for injection - Specification	1				Ev			
Polyurethane foams cores – specification	1				Ev			
Sodium chloride solution for injection - Specification	1				Ev			
Intravenous fluids - methods of test	3				Ev			
Black lead pencil – specification	1				Ev			
Darrows solution for injection - Specification	1				Ev			
Polyurethane foams – method of test	3			Ad				
Handling, storage, distribution and maintenance of liquefied petroleum gas (LPG) in domestic, commercial, and industrial installations Part 1: Installations involving gas storage containers of individual water capacity not exceeding 500 L and a combined water capacity not exceeding 3 000 L per installation – code of practice	3			Ad				
The handling, storage, distribution and maintenance of liquefied petroleum gas (LPG) in domestic, commercial, and industrial installations – Code of practice Part 2: Installations in mobile units and small non-permanent buildings	3			Ad				
The handling, storage, distribution and maintenance of liquefied petroleum gas (LPG) in domestic, commercial, and industrial installations – Code of practice Part 3: Installations involving storage vessels of individual water capacity exceeding 500 l	3			Ad				

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
The handling, storage, distribution and maintenance of liquefied petroleum gas (LPG) in domestic, commercial, and industrial installations – Code of practice Part 4: Transportation in bulk by road	3				Ev			
The handling, storage, distribution and maintenance of liquefied petroleum gas (LPG) in domestic, commercial, and industrial installations – Code of practice Part 6: The application of liquefied petroleum and compressed natural gases as engine fuels for internal combustion engines.	3				Ev			
The handling, storage, distribution and maintenance of liquefied petroleum gas (LPG) in domestic, commercial, and industrial installations – Code of practice Part 7: Storage and filling premises for refillable LPG containers of gas capacity not exceeding 9 kg and the storage of individual gas containers not exceeding 48 kg	3				Ev			
The handling, storage, distribution and maintenance of liquefied petroleum gas (LPG) in domestic, commercial, and industrial installations – Code of practice Part 8: The fuelling of fork lift trucks and other LPG operated vehicles	3				Ev			
The handling, storage, distribution and maintenance of liquefied petroleum gas (LPG) in domestic, commercial, and industrial installations – Code of practice Part 10: Mobile filling stations for refillable LPG containers of capacity not exceeding 9 kg	3				Ev			
Fertilizers – Marking – Presentation and declarations	2				Ev			
Laundry soap - Specification	1				Ev			
Safety wood matches – specification	1				Ev			
Safety wood matches – method of test	3				Ev			
Synthetic detergent powders for house hold use – specification	2				Ev			
Compound fertilizer - Specification	1				Ev			
Fertilizers – Ammonium sulphate – Specification	1				Ev			
Industrial sewing threads made wholly or partly from synthetic fibres	2				Ev			
Preservative treatment for textiles - Part 1: Specification for treatment	2				Ev			

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Tarpaulins - Specification	1				Ev			
Lomstate cotton duck - specification	1				Ev			
Bagged fertilizers – Handling and storage – Code of practice	3				Ev			
Guidelines for hygienic manufacture of cosmetics	3			Ad				
Calcium carbonate (precipitated) for cosmetic industry – specification	1				Ev			
Textile care - Code of labelling	3			Ad				
Cotton towels - Specification	1				Ev			
Cotton baby napkins - Specification	1						Na	
Fertilizer – Superphosphate – Specification	1						Na	
Fertilizer – Calcium ammonium nitrate – Specification	1						Na	
Cotton bed sheets - Specification	2						Na	
Paints and varnishes – Standard panels for testing	3				Ev			
Paint and varnishes – comparison of contrast ratio (chiding power) of the same type and colour	3				Ev			
Paints and varnishes – Determination of gloss value at 20 degrees, 60 degrees and 85 degrees	3			Ad				
Textiles – tests for colour fastness	3			Ad				
Road marking paints – specification	1				Ev			
Emulsion roof paint – specification	1				Ev			
Emulsion paint	1				Ev			
Paints - Glossary of terms	3				Ev			
Decorative high gloss enamel paint - Specification	1				Ev			
Paints – method of test	3				Ev			
Paints and varnishes - List of equivalent terms	3			Ad				
Paints and varnishes - Vocabulary.- Part 1: General terms	3			Ad				
Priming paint for steel – Specification	1				Ev			
Primers for wood – specification	1				Ev			
Fertilizers – determination of bulk density (loose)	3				Ev			
Fertilizers – determination of bulk density (bulk)	3				Ev			
Incinerators – standard performance requirement for incineration plant for destruction of hospital wastes – specification	3				Ev			
Textiles – ternary fibre mixtures – quantitative analysis	3			Ad				
Cotton fanelette fabrics	3				Ev			
Jacket linings	2				Ev			

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Size designation of clothes (women and girls outer wear garments)	2				Ev			
Size designation clothes (infants garments)	2				Ev			
Size designation clothes (definition of body measurement procedures)	3				Ev			
Skin care products – specification	1				Ev			
Absorber cotton wool and cotton and rayon wool balls - Specification	1				Ev			
Open woven bandages - Specification	1				Ev			
Hessian cloth - Specification	1				Ev			
Conforming bandages - Specification	1				Ev			
Natural fibre ropes - Specification	1				Ev			
Man-made fibre ropes - Specification	1				Ev			
Ropes and cordages - Colour code for identification	2				Ev			
Three strand polyethylene monofilament - Specification	2				Ev			
Woven bags (natural fibres) for milled products - Specification	2				Ev			
Woven bags (natural fibres) for sugar - Specification	2				Ev			
Woven bags (polypropylene) for sugar- Specification	2				Ev			
Incinerators – method of specifying purchasers requirements for incineration plant for the destruction of hospital wastes	4				Ev			
Sewing threads – Specification - Part 1: Cotton sewing threads	2				Ev			
Fertilizer – Urea – Specification	1						Na	
Fertilizer – Nitrate of soda – Specification	1						Na	
Fertilizer – Ammonium nitrate – Specification	1						Na	
Fertilizer – Muriate of potash – Specification	1						Na	
Fertilizer – Sulphate of potash – Specification	1						Na	
Design, specification, installation and commissioning of incineration plant for the destruction of hospital wastes – specification	2						Na	
Threads for foot wear – method of test	3						Na	
Incinerators – performance of incineration plant for the destruction of hospital wastes – methods of test and calculation	4						Na	
Methylated spirit – specification	1						Na	

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Methylated spirit – method of test	4				Ev			
Hand dish washing liquids – specification	1						Na	
Scouring powder – specification	1						Na	
Methyl dibromide insecticide fumigant – specification	1						Na	
Ethylene dibromide insecticide – specification	1						Na	
Mineral turpentine – specification	1						Na	
Reflectorised road marking paints - specification	1						Na	
Distemper powders - Specification	1						Na	
Bituminous aluminium paints – specification	1				Ev			
Paint thinners - Specification	1				Ev			
Automotive paints - Methods of test	3			Ad				
Wood preservative (metallic naphthenate) – specification	2			Ad				
Turpentine - Methods of test	3			Ad				
Bituminous paint for cold application suitable excluding use in contact with potable water - Specification	1				Ev			
Bituminous paint for cold application suitable for use in contact with potable water - Specification	1				Ev			
Decorative oil gloss paint for interior and exterior use – specification	1				Ev			
Alkali resistant plaster primer (latex – type) – specification	1				Ev			
Alkali-resistant plaster primer (pigmented, solvent-type) – Specification	1				Ev			
Varnishes for interior use – specification	1				Ev			
Varnish for wood floors – specification	1				Ev			
Aluminium finishing paint – specification	1				Ev			
Mineral solvent for paints (white spirit and related hydrocarbon solvents) - Specification	1				Ev			
Solvent based paint remover – specification	1				Ev			
Paint removers - Methods of test	3			Ad				
Mosquito nets - Specification	1						Na	
Priming paint for steel (Red oxide)- Specification	1						Na	
Epoxy resin - based primers - Specification	1						Na	
Epoxy resin - based finish paints- Specification	1						Na	
Baking enamel primer	3						Na	
Polyester and cotton workwear fabrics	1						Na	
Polyester and viscose workwear fabrics	1						Na	
Cotton jean and drill fabrics	1						Na	

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Cotton dress fabrics	1				Ev			
Polyester and viscose raincoat fabrics	1				Ev			
Basic requirements for piece-goods and made up articles	1				Ev			
Cotton whiter sheeting, sheets and pillow cases	1				Ev			
Cotton sheeting, sheets and pillow cases	1				Ev			
Polyester and cotton sheeting, sheets and pillow cases	1				Ev			
Terry towelling, towels and other terry weave articles	1				Ev			
Cotton bedspreads	1				Ev			
Cotton flannelette dusters	1				Ev			
Cotton ticking	1				Ev			
Feather proof fabrics	1				Ev			
Kitchen cloth fabric and kitchen clothes	1				Ev			
Cotton huckaback	1				Ev			
Cotton table cloth fabric, table clothes and table napkins	1				Ev			
Cotton dish clothes	1				Ev			
Shrouding - Specification	1				Ev			
Mosquito coils – specification	1				Ev			
Mosquito coils – methods of test	3				Ev			
Hair oils - Specification	1				Ev			
Three strand polyamide multifilament ropes - Specification	1				Ev			
Three strand polyester multifilament ropes - Specification	1				Ev			
Flat cotton wicks - Specification	1				Ev			
Hair shampoo, soap-based – specifications	1				Ev			
Illuminating paraffin – specification	1				Ev			
Textile – determination of pH of aqueous extract	3				Ev			
Agricultural liming materials – specification	1				Ev			
Curl activators - Specification	1				Ev			
Disposal of effluents of the daily industry – code of practice	3				Ev			
Diesel – specification	1				Ev			
Industrial effluents – tolerance limits for discharge into inland surface waters	3				Ev			
Fungicidal dusting powders containing copper oxychloride (plant protection) - Specification	1				Ev			
Glycerine for cosmetic industry – method of test	3				Ev			
Wax shoe polish	1				Ev			
Medicinal products-Guide to good manufacturing practice	3			Ad				

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Brushware, general requirements - Specification	1						Na	
Brushes (flat type) for paint and varnish - Specification	1						Na	
Ethanol – specification	1						Na	
Acidic lavatory bowl cleanser - Specification	1						Na	
Bleaching powder, stable – specification	1						Na	
Benzene, cleaning – specification	1						Na	
Chlorine bleach, organic - Specification	1						Na	
Chlorine bleach, organic - Methods of test	3						Na	
Brushes, shoe polishing - Specification	1						Na	
Scholastic stationery - Specification	2						Na	
Chitenje – specification	2						Na	
Cosmetics, raw materials and adjuncts - Guide to raw materials generally not recognised as safe for use in cosmetics	3						Na	
Wastes within health care facilities – handling and disposal – code of practice	4						Na	
Fertilizer – determination of ammoniacal nitrogen	4						Na	
Adhesives for use with ceramic tiles and mosaics – specification	1						Na	
Petroleum industry – terminology – part 1 – raw materials and products	1			Ad				
Petroleum industry – terminology – part 2 properties and tests	1			Ad				
Petroleum products - Determination of smoke point of kerosene	1			Ad				
Petroleum products and lubricants- Petroleum oils and other fluids - Determination of rust -preventing characteristics in the presence of water.	1				Ev			
Sodium silicate – specification	1				Ev			
Toilet soap (superfatted) – specification	1						Na	
Safety procedures for the disposal of surplus pesticides and associated toxic waste – code of practice	3				Ev			
Tolerance limits for domestic sewage effluents discharges into inland surface waters – specification	1				Ev			
Industrial noise affecting mixed residential and industrial area – method for rating	3				Ev			
Caustic soda, analytical and commercial – specification	2						Na	

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Cassava and maize starch for textile industry – specification	2						Na	
Starches and derived – method of test	3			Ad				
Starch and starch products – methods of sampling	3			Ad				
Hazardous wastes – management, classification and disposal – code of practice	3				Ev			
Packaging of dangerous goods – packaging and large packaging for road and rail transport	2				Ev			
Solid waste disposal sites – guidelines for design – code of practice	3				Ev			
Solid waste disposal sites – guideline for safe management – code of practice	3				Ev			
Effluent treatment plants – operating conditions (code of practice)	4				Ev			
Transportation of dangerous goods – intermediate bulk containers for road and rail transport	3				Ev			
Industrial emissions – emission from mobile and stationary sources – specification	1				Ev			
Work place air – determination of mass concentration of carbon monoxide – method using detector tubes for short term sampling with direct indication	5				Ev			
Ambient air – method of sampling and test	4			Ad				
Workplace air – determination of particulate lead and lead compounds – flame or electrothermal atomic absorption spectrometric method	4				Ev			
Liquidified petroleum gases - Class F fuels - Specification	1				Ev			
Cigarettes – Methods of test	4			Ad				
Biodiesel fuel – specification	1				Ev			
Greenhouse gases. Part 1	1				Ev			
Greenhouse gases. Part 2	1				Ev			
Greenhouse gases. Part 3	1				Ev			
Safe transportation of radioactive materials - Requirements	1				Ev			
Driers for paint and varnishes – specification	1				Ev			
Pigment and extenders - General methods of test	3				Ev			
Titanium dioxide pigment for paint - part 1: specification and method of test	1				Ev			
Extenders for paints (Dolomite) - Specification	1				Ev			

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Driers for paints and varnishes – method of test	3			Ad				
Coal mining and processing – health safety, and environmental protection – code of practice	4				Ev			
Transport of dangerous goods, operational requirement for road vehicles	3				Ev			
Transport of dangerous goods, designed construction, testing approval and maintenance of road vehicles and portable tanks	3				Ev			
Jatropha straight vegetable oil – requirements and test methods	1			Ad				
Paint and varnishes – visual comparison of colour of paint	3			Ad				
Examination and preparation of test samples	3			Ad				
Paint and varnishes – natural weathering of coating – exposure and assessment	3				Ev			
Restricted ingredients in cosmetics – method of analysis	3				Ev			
Coal briquettes - Specification	1				Ev			
Identification of content of industrial gas containers	1				Ev			
Textiles fibre – determination of breaking force and elongation at break of individual fibres	3				Ev			
Textiles fibres – determination of linear density – gravimetric method vibroscope method	3				Ev			
Textiles – method for the removal of non – fibrous matter prior to quantitative analysis of fibres mixtures	3				Ev			
Petroleum products – fuels (Class F) – gas turbine fuels for industrial and marine applications – specification	1				Ev			
Standard guide for performance evaluation of hydraulic fluids for piston pumps	2				Ev			
Mineral lubricating oils used in steam or gas turbines – specification	1				Ev			
Lubricants, industrial oils and related products (Class L) – family H (Hydraulic system) – specification for hydraulic	1				Ev			
Lubricants, industrial oils and related products (Class L) family X (Greases) – specification	1				Ev			
Lubricants, industrial oils and related products (Class L) family C (Gears) – part 1: specification for lubricants for enclosed gear systems	1				Ev			
Lubricants, industrial oils and related products (Class L) – machine tool lubricants – categories and specification	1				Ev			

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Lubricants, industrial oils and related products (Class L) – classification part 1: family A (Total loss system)	1				Ev			
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and intensity of uniform changes in appearance – Part 1: General introduction and defect designation system	3			Ad				
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and intensity of uniform changes in appearance – Part 2: Assessment of degree of blistering	3			Ad				
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and intensity of uniform changes in appearance – Part 3: Assessment of degree of rusting	3			Ad				
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and intensity of uniform changes in appearance – Part 4: Assessment of degree of flaking	3			Ad				
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and intensity of uniform changes in appearance – Part 5: Assessment of degree of flaking	3			Ad				
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and intensity of uniform changes in appearance – Part 6: Assessment of degree of chalking by tape method	3			Ad				
Paints and varnishes – Determination of percentage volume of non-volatile matter by measuring the density of a dried coating	3			Ad				
Paints and varnishes – Determination of viscosity by means of an efflux cup	3			Ad				
Paints and varnishes -- Methods of exposure to laboratory light sources -- Part 1: General guidance	4			Ad				
Paints and varnishes -- Methods of exposure to laboratory light sources -- Part 2: Xenon-arc lamps	4			Ad				
Paints and varnishes – Determination of resistance to neutral salt spray (fog)	5			Ad				
Gypsum for agricultural use - Specification	1						Na	

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
	2	ISO/AWI 9564-5	Banking -- Personal Identification Number (PIN) management and security -- Part 5: Methods for Generation, Change, and Verification of PINs and Associated Data			Ac		
	2	ISO/CD 11568	Financial services -- Key management (retail) -- Principles, symmetric ciphers and asymmetric cryptosystems, their key management and life cycle			Ac		
	2	ISO/PRF 13492	Financial services -- Key-management-related data element -- Application and usage of ISO 8583-1 data elements for encryption			Ac		
	2	ISO/AWI TR 14742	Financial services -- Recommendations on cryptographic algorithms and their use			Ac		
	2	ISO/CD 23195	Security objectives of information systems of third party payment services			Ac		
	2	ISO/AWI TS 23526	Security aspects for digital currencies			Ac		
	2	ISO/WD 6166	Securities and related financial instruments -- International securities identification numbering system (ISIN)			Ac		
	2	ISO/PRF 10962	Securities and related financial instruments -- Classification of financial instruments (CFI) code			Ac		
	2	ISO/CD 21586	Reference data for financial services -- Specification for description of banking products or services (BPoS)			Ac		
	2	ISO/AWI 23897	Financial Services -- Unique Transaction Identifier (UTI)			Ac		
	2	ISO/AWI 24165	Reference data for financial services -- Digital token identifier -- Registration, assignment and structure			Ac		
	2	ISO/DTS 23029	Web Service Based Application Programming Interface (API) in Financial Services [WAPI]			Ac		

Annex C2

FOOD AND AGRICULTURE DIVISION PROPOSED STANDARDISATION PROJECTS

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
MS 43:2008, Black tea - Definition and basic requirements (review based on ISO 3720:2011)	1	NA			Ev			
MS 410:1994, Black tea - Methods of test	4	NA		Ad				
Cocoa and cocoa products — Test methods Part 2: Determination of moisture	4	KENYA					Na	
Cocoa and cocoa products — Test methods Part 3: Determination of water-insoluble, water soluble and acid-insoluble ash	4	KENYA					Na	
Cocoa and cocoa products — Test methods Part 4: Determination of pH	3	KENYA					Na	
Cocoa and cocoa products — Test methods Part 7: Determination of crude fibre soluble and acid-insoluble ash	3	KENYA					Na	
Codex standard for powdered dextrose (icing dextrose)	1	CXS 54			Ev			
Cocoa powder — Test methods	3						Na	
	2	ISO/DIS 3103	Tea -- Preparation of liquor for use in sensory tests			Ac		
	2	ISO/CD 18447	Tea -- Determination of theaflavins in black tea -- Method using high performance liquid chromatography			Ac		
	2	ISO/CD 18449	Green tea -- Vocabulary			Ac		
MS 412:1994, Tea - Methods of sampling: Sampling from small and large containers	4	ISO		Ad				
MS 459:1994, Black tea - Vocabulary	4	NA		Ad				
Flavoured tea – Specification	1	INDIA					Na	
Iced tea – Specification	2	NA					Na	
	1	ISO/NP 12591	White tea – definition			Ac		
Green Coffee beans	2	NA		Ad				
Green coffee – Preparation of samples for use in sensory analysis	3			Ad				
Green coffee – Guidelines for storage and transportation	3			Ad				
Green coffee – Determination of water content – Basic reference method	3			Ad				
Green coffee – Olfactory and visual examination and determination of foreign matter and defects	3			Ad				

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Tea – Determination of acid-insoluble ash	3			Ad				
MS 630:2005, Roasted and ground coffee – Specification	2				Ev			
Tea – preparation of ground sample of known dry matter	3			Ad				
Tea – determination of total ash	3			Ad				
Green coffee in bags – method of sampling	3			Ad				
Instant coffee – criteria for authenticity	3			Ad				
Green coffee – Determination of loss in mass at 105 degrees Celsius	3			Ad				
Herbal infusions	2						Na	
Green coffee – guidelines on methods of specification	3			Ad				
Tea – Determination of alkalinity of water soluble ash	4			Ad				
Tea – Determination of water-soluble ash and water insoluble ash	4			Ad				
Tea – Classification of grades by particle size analysis	4			Ad				
Purple tea	2						Na	
MS 771:2014, Chocolate and Chocolate products – Specification	1						Na	
	3	ISO 19563:2017	Determination of theanine in tea and instant tea in solid form using high-performance liquid chromatography	Ad				
	3	ISO 18447	Tea -- Determination of theaflavins in black tea -- Method using high performance liquid chromatography	Ad				
	3	ISO 18449	Vocabulary for green tea	Ad				
	2	ISO 6079:2019	Instant tea in solid form -- Specification	Ad				
	3	ISO 6770:2015	Instant tea -- Determination of free-flow and compacted bulk densities	Ad				
	3	ISO 7513:2015	Instant tea in solid form -- Determination of moisture content (loss in mass at 103 °C)	Ad				
	3	ISO 7514:2018	Instant tea in solid form -- Determination of total ash	Ad				
	3	ISO 7516:2016	Instant tea in solid form -- Sampling	Ad				
	3	ISO 18794:2018	Coffee -- Sensory analysis -- Vocabulary	Ad				
	3	ISO 2292:2017	Cocoa beans -- Sampling	Ad				
	3	ISO 2451:2017	Cocoa beans -- Specification and quality requirements	Ad				

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
	4	ISO 34101-1:2019	Sustainable and traceable cocoa -- Part 1: Requirements for cocoa sustainability management systems	Ad				
	4	ISO 34101-2:2019	Sustainable and traceable cocoa -- Part 2: Requirements for performance (related to economic, social and environmental aspects)	Ad				
	4	ISO 34101-3:2019	Sustainable and traceable cocoa -- Part 3: Requirements for traceability	Ad				
	4	ISO 34101-4:2019	Sustainable and traceable cocoa -- Part 4: Requirements for certification schemes					
	2	CODEX STAN 141:2018	Standard for cocoa (cacao) Mass (cocoa/chocolate liquor) and cocoa cake		Ev			
MS 53:1990, Chilli sauce – Specification	1	NA					Na	
Fresh chillies	1	NA					Na	
Garlic paste	1	NA					Na	
Chilli oil	1	NA					Na	
MS 53:1990, Chilli sauce – Specification	1	NA					Na	
DMS 98:1986, Spices and condiments - Methods of test	3			Ad				
DMS 226:1990, Garlic – Specification	1				Ev			
Mango Achar – Specification	1						Na	
MS 143:1987, Spices and condiments - Determination of water - insoluble ash	3			Ad				
	1	ISO 973:2017	Pimento (allspice) [Pimenta dioica (L.) Merr.], whole or ground -- Specification		Ev			
	1	ISO 2254:2004	Cloves, whole and ground (powdered) -- Specification		Ev			
	1	ISO 5563:1984	Dried peppermint (Mentha piperita Linnaeus) -- Specification		Ev			
	3	ISO 5564:1982	Black pepper and white pepper, whole or ground -- Determination of piperine content -- Spectrophotometric method	Ad				
	3	ISO 5565-2:1999	Vanilla [Vanilla fragrans (Salisbury) Ames] -- Part 2: Test methods	Ad				
	3	ISO 5567:1982	Dehydrated garlic -- Determination of volatile organic sulphur compounds	Ad				
	1	ISO 6465:2009	Spices -- Cumin (Cuminum cyminum L.) -- Specification		Ev			

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
	1	ISO 6538:1997	Cassia, Chinese type, Indonesian type and Vietnamese type [Cinnamomum aromaticum (Nees) syn. Cinnamomum cassia (Nees) ex Blume, Cinnamomum burmanii (C.G. Nees) Blume and Cinnamomum loureirii Nees] -- Specification		Ev			
	1	ISO 6539:1997	Cinnamon, Sri Lankan type, Seychelles type and Madagascan type (Cinnamomum zeylanicum Blume) -- Specification		Ev			
	1	ISO 6575:1982	Fenugreek, whole or ground (powdered) -- Specification		Ev			
	1	ISO 6576:2004	Laurel (Laurus nobilis L.) -- Whole and ground leaves -- Specification		Ev			
	1	ISO 7377:1984	Juniper berries (Juniperus communis Linnaeus) -- Specification		Ev			
	1	ISO 7386:1984	Aniseed (Pimpinella anisum Linnaeus) -- Specification		Ev			
	3	ISO 7541:1989	Ground (powdered) paprika -- Determination of total natural colouring matter content	Ad				
	3	ISO 7542:1984	Ground (powdered) paprika (Capsicum annum Linnaeus) - - Microscopical examination	Ad				
	1	ISO 7925:1999	Dried oregano (Origanum vulgare L.) -- Whole or ground leaves -- Specification		Ev			
	1	ISO 7926:1991	Dehydrated tarragon (Artemisia dracunculus Linnaeus) -- Specification		Ev			
	1	ISO 7927-1:1987	Fennel seed, whole or ground (powdered) -- Part 1: Bitter fennel seed (Foeniculum vulgare P. Miller var. vulgare) -- Specification		Ev			
	1	ISO 10620:1995	Dried sweet marjoram (Origanum majorana L.) -- Specification		Ev			
	1	ISO 10622:1997	Large cardamom (Amomum subulatum Roxb.), as capsules and seeds -- Specification		Ev			
	3	ISO 11027:1993	Pepper and pepper oleoresins -- Determination of piperine content -- Method using high-performance liquid chromatography	Ad				
	3	ISO 11162:2001	Peppercorns (Piper nigrum L.) in brine -- Specification and test methods		Ev			
	1	ISO 11163:1995	Dried sweet basil (Ocimum basilicum L.) -- Specification		Ev			

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
	1	ISO 11164:1995	Dried rosemary (Rosmarinus officinalis L.) -- Specification		Ev			
	1	ISO 11178:1995	Star anise (Illicium verum Hook. f.) -- Specification		Ev			
	3	ISO 13685:1997	Ginger and its oleoresins -- Determination of the main pungent components (gingerols and shogaols) -- Method using high-performance liquid chromatography	Ad				
	1	ISO 20377:2018	Dried parsley (Petroselinum crispum) -- Specification		Ev			
MS 203:1989, Glucose syrup, Specification	1						Na	
DMS 204:1989, Dextrose anhydrous - Specification	1						Na	
Liquid glucose	1						Na	
Bread crumbs	2						Na	
DMS 233:1990, Cakes - Specification	1						Na	
Ice Cream cones	1						Na	
MS 31:2015, Common bread – Specification	1						Na	
MS 55:1995, Wheat grains	1				Ev			
MS 30:2011, Fortified wheat flour – Specification	1						Na	
Self-raising flour	1						Na	
Frozen carrots	1						Na	
Dried cassava snacks	1						Na	
Root tubers puree	2						Na	
DMS 213:2013, Groundnuts	1						Na	
Apples	1				Ev			
Dried fruits – Specification	1						Na	
Dried vegetables – Specification	1						Na	
Pickled fruits and vegetables	1						Na	
Roasted macadamia	1						Na	
Canned mushrooms	1						Na	
Raw macadamia nuts	1						Na	

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Roasted groundnuts	1						Na	
DMS 481:1983, Citrus fruits - Specification	1						Na	
Corn puffs	1						Na	
Maize bran	1						Na	
Guidelines for Ready to use Therapeutic Foods (RUTF)	1	CODEX				Ac		
MS 93:1986, High protein baby food – Methods of analysis	3				Ev			
corn soy blend	1						Na	
Crisps and corn snacks	1						Na	
Oats - Specification	1						Na	
Millet flour (Mawere)	1						Na	
Soy beverage	1						Na	
MS 242:1991, Cow peas - Specification	1				Ev			
Roasted cashew kernels (UNECE)	1				Ev			
Roasted groundnuts	1				Ev			
Dhall/Split lentils – Specification	1						Na	
Green grams	1						Na	
Finger millet	1						Na	
Chicken peas	1						Na	
Soya bean products - Determination of urease activity and cresol red index	3						Na	
Baking fats (Vegetable fats)	1						Na	
Fat spread (Vegetable fats)	1						Na	
MS 56:1990, Edible oils and fats - Methods of analysis	3			Ad				
Sun dried fish	1				Ev			
Vegetable fat products - Specification	1						Na	
Edible cold pressed oils - Specification	1						Na	
Code of practice for storage and transport of edible fats and oils bulk	1			Ad				
Named animal fats	1				Ev			

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Fortified edible oils	1						Na	
Vegetable ghee	1						Na	
Mixed animal and vegetable ghee	1						Na	
Honey standard	1						Na	
	1	ISO 12824:2016	Royal jelly -- Specifications		Ev			
Code of hygienic practice for eggs and egg products	3						Na	
Flavoured milk drinks	1						Na	
MS 190:1994, Cheese - Method for chemical analysis	3				Ev			
MS 197:1988, Milk - Determination of freezing point	3			Ad				
MS 198:1993, Cream - Determination of fat content	3			Ad				
MS 292:1991, Milk and milk products - Methods of test - Microbiological examination - Part 1: Total plate count	3			Ad				
MS 292:1991, Milk and milk products - Methods of test - Microbiological examination - Part 2: Coliform count	4			Ad				
MS 292:1991, Milk and milk products - Methods of test - Microbiological examination - Part 3: Yeasts and moulds	4			Ad				
MS 292:1991, Milk and milk products - Methods of test - Microbiological examination - Part 4: Swab test	4			Ad				
MS 549:2001, Milk powder handling - Code of practice	4				Ev			
MS 541:1995, Infant formula - Specification	1						Na	
MS 750:2004, Follow up formula - Specification	1						Na	
Guidelines for the preservation of milk by use of the lactoperoxidase system	4			Ad				
MS 189:2009, Cheese – Specification	1				Ev			
MS 744:2007, Use of dairy terms – General standard	3				Ev			
Whey cheeses – Specification	1				Ev			
Whey cheese – Determination of dry matter (Reference method)	3				Ev			
Cream cheese – Specification	1			Ad				
Whey cheese – Determination of fat content – Gravimetric method (Reference method)	3			Ad				
MS 633:2001, Milk powder – Specification	1				Ev			

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Gouda cheese – Specification	1				Ev			
Unripened cheese including fresh cheese	1				Ev			
Cheese in brine – Specification	1				Ev			
MS 752, Evaporated milks	1				Ev			
MS 751:2006, Sweetened condensed milk – Specification	1				Ev			
MS 549:2001, Milk powder handling – Code of practice	3				Ev			
MS 751, Sweetened condensed Milks –Specification	1				Ev			
MS 633, Milk powder	1				Ev			
Dog food	1						Na	
MS 417:1995 Meat meal and meat and bone meal as livestock feed - Specification	1						Na	
MS 422:1997, Fishmeal as livestock feed - Specification	2						Na	
MS 423:1995, Bone meal as livestock feed - Specification	2						Na	
MS 769:2007, Meat burgers – Specification	1						Na	
MS 424:1997, Blood meal as livestock feed - Specification	2						Na	
MS 510:1997, Fish meal - Vocabulary	3						Na	
MS 807:2011, Luncheon meat - Specification	1						Na	
MS 808:2011, Cooked cured chopped meat - Specification	1						Na	
MS 809:2011, Cooked cured chopped meat - Specification	1						Na	
MS 546:2007, Poultry processing – code of practice	3						Na	
Feed premixes	3						Na	
Minced meat	1						Na	
Dried meat	1							Mo
Goat carcasses and meat cuts	1						Na	
Carcasses and cuts	1						Na	
Smoked beef, meat, pork and chicken	1						Na	
Transport of poultry – Code of practice	3						Na	
Dairy goat feeds – Specification	1						Na	

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Compounded fish feeds – Specification	1						Na	
Meat and meat products - Methods of sampling	3				Ev			
DMS 211:2001, Synthetic food colours, preparations and mixtures - Specification	3				Ev			
DMS 301:1991, Synthetic food colour - Preparations and mixtures - Specification	3				Ev			
DMS 401:1992, Synthetic food colours, common names - Specification	3				Ev			
DMS 402:1992, Synthetic water soluble food colours - Methods of sampling and analysis	4				Ev			
Food grade citric acid for use in beverages	3						Na	
Freezes	1						Na	
Komboucha drinks – Specification	1						Na	
Health drinks	1						Na	
MS 747:2010, Fruit flavoured drinks	1						Na	
MS 177:2016, Fruit squashes – Specification	1						Na	
MS 748:2007, Soya bean milk and drink	1						Na	
MS 699:2004, Bottled drinking water	1						Na	
MS 214:2013, Drinking water	1						Na	
Ciders and ale – Specification	1						Na	
MS 210:1990 Spirit-Specification	1						Na	
MS 107:1988 Alcoholic beverages – Methods of test	3						Na	
MS 411:1992 Opaque beer – Methods of test	3				Ev			
MS 208:2014, Opaque beer – Specification	1						Na	
Code of practice for the prevention and reduction of Ochratoxin A contamination in wine	3			Ad				
Apple juice, apple juice concentrates and drinks containing apple juice – Determination of patulin content – Part 1: Method using high performance liquid chromatography	3			Ad				
Apple juice, apple juice concentrates and drinks containing apple juice – Determination of patulin content – Part 2: Method using this layer chromatography	3			Ad				
Vegetable juices and nectars – Specification	1				Ev			

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Synthetic syrups – Specification	1						Na	
Fruit crush – Specification	1						Na	
Code of practice in the prevention and reduction of patulin contamination in apple juice and apple juice ingredients in the beverages	3			Ad				
Sports (electrolytic) drinks	1						Na	
MS 733:2005 Borehole and shallow well water quality – Specification	1						Na	
Natural (fruit) syrup	1						Na	
Ginger ale – specification	1						Na	
Communitied fruit drinks - Specification	1						Na	
MS 18:2010, Carbonated soft drinks – Specification	1						Na	
MS 22:2010, Carbonated soft drinks – Methods of test	3						Na	
MS 23:1984, Processed fruits and vegetables – Methods of test	3				Ev			
MS 24:1984, Canned pineapples – Specification	1				Ev			
MS 21:2002, Food and food processing units - Code of hygienic conditions	3				Ev			
MS 19:2001, labelling of pre-packaged foods	1				Ev			
MS 624:2001 Nutrition labelling - Guidelines	1				Ev			
MS 625:2001 Nutrition claims - Guidelines	1				Ev			
African traditional medicine – Terms and definitions	1			Ad				
African traditional medicine – Good Manufacturing Practices (GMP) for herbal medicines	1			Ad				
African traditional medicine – Minimum requirements for registration of plant based traditional medicines	1			Ad				
African traditional medicine – Certification scheme for medicinal plant products	1			Ad				
African traditional medicine – Requirements for Good Agricultural and Collection Practices (GACP) for medicinal plants	1			Ad				
African traditional medicine – Technical guidelines for safety, efficacy and quality of raw materials for herbal medicines	1			Ad				
African traditional medicine – Medicinal plant standards – <i>Calotropis procera</i>	1			Ad				

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
African traditional medicine – Medicinal plant standards – <i>Ambrosia maritima</i>	1			Ad				
African traditional medicine – Medicinal plant standards – <i>Urtica dioica</i> and <i>Urtica urens</i>	1			Ad				
African traditional medicine – Medicinal plant standards – <i>Aloe vera</i>	1			Ad				
Fruit and vegetable products -- Determination of titratable acidity	3			Ad				
Fruit and vegetable products -- Determination of water-insoluble solids	3			Ad				
Fruit and vegetable products -- Determination of mineral impurities content	3			Ad				
Fruit and vegetable products -- Determination of ash insoluble in hydrochloric acid	3			Ad				
Peaches -- Guide to cold storage	3			Ad				
Fresh fruits and vegetables -- Sampling	3			Ad				
Green bananas -- Guide to storage and transport	3			Ad				
Cauliflowers -- Guide to cold storage and refrigerated transport	3				Ev			
Fruit and vegetable products -- Determination of dry matter content by drying under reduced pressure and of water content by azeotropic distillation	3			Ad				
Pears -- Cold storage	3				Ev			
Apples -- Cold storage	3				Ev			
Onions -- Guide to storage	3				Ev			
Fresh pineapples -- Storage and transport	3				Ev			
Fruit and vegetable products -- Determination of pH	3				Ev			
Citrus fruits and derived products -- Determination of essential oils content (Reference method)	3				Ev			
Fruits and vegetables -- Morphological and structural terminology	3				Ev			
Fruits and vegetables -- Morphological and structural terminology	3				Ev			
Fruits -- Nomenclature -- First list	3				Ev			
Fruits -- Nomenclature -- Second list	3				Ev			
Vegetables -- Nomenclature -- First list	3				Ev			
Vegetables -- Nomenclature -- Part 2: Second list	3				Ev			
Ware potatoes -- Guide to storage	3				Ev			
Carrots -- Guide to storage	3				Ev			

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Round-headed cabbage -- Guide to cold storage and refrigerated transport	3				Ev			
Table grapes -- Guide to cold storage	3				Ev			
Fruits and vegetables -- Physical conditions in cold stores -- Definitions and measurement	3			Ad				
Fruit juice -- Determination of soluble solids content -- Pycnometric method	3			Ad				
Fruit and vegetable products -- Determination of soluble solids -- Refractometric method	3			Ad				
Avocados -- Guide for storage and transport	3			Ad				
Fruit and vegetable products -- Determination of tin content	3			Ad				
Fruit and vegetable products -- Determination of ethanol content	3			Ad				
Apricots -- Guide to cold storage	3			Ad				
Citrus fruits -- Guide to storage	3			Ad				
Vegetable products -- Determination of chloride content	3			Ad				
Fruits and vegetables -- Ripening after cold storage	3			Ad				
Green bananas -- Ripening conditions	3			Ad				
Dry fruits and dried fruits -- Definitions and nomenclature	3			Ad				
Asparagus -- Guide to storage	3			Ad				
Horse-radish -- Guide to storage	3			Ad				
Fruits, vegetables and derived products -- Decomposition of organic matter prior to analysis -- Wet method	3			Ad				
Fruits, vegetables and derived products -- Decomposition of organic matter prior to analysis -- Ashing method	3			Ad Ad				
Pomegranate fruit -- Specification and test methods	1			Ad				
Fruits, vegetables and derived products -- Determination of iron content -- 1,10- Phenanthroline photometric method	3			Ad				
Fruits, vegetables and derived products -- Determination of benzoic acid content -- Spectrophotometric method	3			Ad				
Fruits, vegetables and derived products -- Determination of sorbic acid content	3			Ad				
Fruits, vegetables and derived products -- Determination of alkalinity of total ash and of water-soluble ash	3			Ad				
Fruits, vegetables and derived products -- Qualitative method for the detection of sulphur dioxide	3			Ad				
Fruits, vegetables and derived products -- Determination of total sulphur dioxide content	3			Ad				

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Liquid fruit and vegetable products -- Determination of sulphur dioxide content (Routine method)	3			Ad				
Tomatoes -- Guide to cold storage and refrigerated transport	3			Ad				
Potatoes -- Storage in the open (in clamps)	3			Ad				
Round-headed cabbage -- Storage in the open	3			Ad				
Fruit and vegetable products -- Determination of benzoic acid content (benzoic acid contents greater than 200 mg per litre or per kilogram) -- Molecular absorption spectrometric method	3			Ad				
Fruits, vegetables and derived products -- Determination of cadmium content -- Part 1: Method using graphite furnace atomic absorption spectrometry	3			Ad				
Fruits, vegetables and derived products -- Determination of volatile acidity	3			Ad				
Sweet pepper -- Guide to refrigerated storage and transport	3			Ad				
Mangoes -- Cold storage	3			Ad				
Guide to the prepacking of fruits and vegetables	3			Ad				
Dried apples -- Specification and test methods	1			Ad				
Animal feeding stuffs -- Determination of available lysine	3			Ad				
Animal feeding stuffs -- Determination of starch content -- Polarimetric method	3			Ad				
Animal feeding stuffs -- Determination of aflatoxin B1	3			Ad				
Animal feeding stuffs -- Determination of trypsin inhibitor activity of soya products	3			Ad				
Animal feeding stuffs -- Determination of aflatoxin B1 content of mixed feeding stuffs -- Method using high-performance liquid chromatography	3			Ad				
Meat and meat products -- Determination of total ash	3			Ad				
Meat and meat products -- Determination of free fat content	3			Ad				
Meat and meat products -- Determination of chloride content -- Part 2: Potentiometric method	3			Ad				
Meat and meat products -- Determination of chloride content -- Part 1: Volhard method	3			Ad				
Meat and meat products -- Determination of total phosphorus content (Reference method)	3			Ad				
Meat and meat products -- Determination of total phosphorus content -- Spectrometric method	4			Ad				
Meat and meat products -- Determination of moisture content (Reference method)	4			Ad				
Biofertilizer mycorrhiza inoculum - Specification	1						Na	

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Azospirillum Inoculants	1						Na	
Rhizobium Inoculants	1						Na	
Azotobacter Spp Inoculants	1						Na	
Rhizobium Inoculents	1						Na	
Azospirillum Inoculent	1						Na	
Mango chutney	1						Na	
Sugar and Sugar Product- Methods of Test	3						Na	
Mineral Mixtures for Supplementing Poultry Feeds	3						Na	
Citric acid food grade- specification	1						Na	
Honey processing unit – technical requirements	3						Na	
Beeswax, crude and refined – Specification	1						Na	
Tamarind concentrate – Specification	1						Na	
Tamarind pulp – Specification	1						NA	
Soluble Coffee (Chicory powder) – Specification	1						Na	
Bone-meal, Raw	1						Na	
Azotobacter Chroococcum Inoculants	1						Na	
Edible Spray dried potato flour – specification	1						Na	
Fresh bitter cassava – Specification	1						Na	
Fresh cassava leaves – Specification	1						Na	
Production and handling of fresh cassava	2						Na	
Production and handling of ware potatoes	2						Na	
Reduction of acrylamide of potato products	2						Na	
Fermented cooked cassava based products – Specification	1						Na	
Guideline for storage of potatoes	3						Na	
Seeds requirements for certification – Sweet potatoes	3						Na	
Potato collection centre requirements	3						Na	
Gross of terms – Bakery products	3						Na	
	3	ISO 660:2014	Animal and vegetable fats and oils -- Determination of acid value and acidity	Ad				
	3	ISO 661:2014	Animal and vegetable fats and oils -- Preparation of test sample	Ad				
	3	ISO 662:2016	Animal and vegetable fats and oils -- Determination of moisture and volatile matter content	Ad				
	3	ISO 663:2017	Animal and vegetable fats and oils -- Determination of insoluble impurities content	Ad				
	3		Animal and vegetable fats and oils -- Determination of water content -- Entrainment method	Ad				
	3		Animal and vegetable fats and oils -- Determination of titre	Ad				

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
	3	ISO 3657:2013	Animal and vegetable fats and oils -- Determination of saponification value	Ad				
	3	ISO 3960:2017	Animal and vegetable fats and oils -- Determination of peroxide value -- Iodometric (visual) endpoint determination	Ad				
	3	ISO 3961:2018	Animal and vegetable fats and oils -- Determination of iodine value	Ad				
	3	ISO 5555:2014	Animal and vegetable fats and oils -- Sampling	Ad				
	3	ISO 8420:2014	Animal and vegetable fats and oils -- Determination of content of polar compounds	Ad				
	3	ISO 9832:2014	Animal and vegetable fats and oils -- Determination of residual technical hexane content	Ad				
	3	ISO 11053:2009	Vegetable fats and oils -- Determination of cocoa butter equivalents in milk chocolate	Ad				
	3	ISO 11702:2016	Animal and vegetable fats and oils -- Enzymatic determination of total sterols content	Ad				
	3	ISO 12228-2:2014	Determination of individual and total sterols contents -- Gas chromatographic method -- Part 2: Olive oils and olive pomace oils	Ad				
	3	ISO 12871:2019	Olive oils and olive-pomace oils -- Determination of aliphatic and triterpenic alcohols content by capillary gas chromatograph	Ad				
	3	ISO 12872:2010	Olive oils and olive-pomace oils -- Determination of the 2-glyceryl monopalmitate content	Ad				
	3	ISO 12873:2010	Olive oils and olive-pomace oils -- Determination of wax content by capillary gas chromatography	Ad				
	3	ISO 18609:2000	Animal and vegetable fats and oils -- Determination of unsaponifiable matter -- Method using hexane extraction	Ad				
	3	ISO 27107:2008	Animal and vegetable fats and oils -- Determination of peroxide value -- Potentiometric end-point determination	Ad				
	3	ISO 27608:2010	Animal and vegetable fats and oils -- Determination of Lovibond® colour -- Automatic method	Ad				
	3	ISO 28198:2018	Vegetable fats and oils -- Determination of toluene insoluble matter	Ad				
MS 769:2007 Meat burgers – Specification	1						Na	
MS 753:2008, Raisins – Specification	1						Na	
MS 802:2009, Cheddar – Specification	1				Ev			
MS 808:2011, Cooked cured chopped meat – Specification	1				Ev			
MS 809:2011, UHT milk – Specification	1						Na	

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
MS 815:2010, Organic products - General standard	1				Ev			
MS 816:2011, Dairy fat spreads - Specification	1				Ev			
Coffee – Determination Of Caffeine--Content (reference Method)	3	IS 16039					Na	
Tea – Determination of Crude Fibre Content – Method of test	3	IS 16041					Na	
Drinking Chocolate (Sweetened Cocoa Powder)	2	IS 6762					Na	
Cocoa Beans- Specification (Second Revision) – Specification	2	IS 8865:2018					Na	
Cocoa Beans - Cut test	3	IS 8832:2003					Na	
Green Coffee – Determination of Proportion of Insect – damaged Beans	3	IS 16038:2012					Na	
Instant Coffee – Sampling Method for bulk units with liners	3	IS 16035:2012					Na	
Glossary of terms for cocoa, chocolate and its products	3	IS 11730					Na	
Tea and Instant tea in solid form – Determination of caffeine content – Method using High a Performance Liquid Chromatography	3	IS 16027:2012					Na	
Green Coffee – Defect Reference Chart	3	IS 16032:2012					Na	
Instant Coffee Determination of Free and Total Carbohydrate Contents – Method Using High - Performance Anion Exchange Chromatography	4	IS 16031 : 2012					Na	
Sugar and Sugar Products - Methods of Test	4	IS 15279 : 2003					Na	
Frozen potato chips — Specification	2	EAS 746:2010					Na	
Seeds — Requirements for certification —Part 7: Cassava seeds.	2	RS 275-7: 2018					Na	
Cassava wheat composite flour — Specification	2	EAS 741: 2010					Na	
Dried sweet potato — Specification	2	EAS 772: 2012					Na	
Prevention and reduction of Ochratoxin A contamination in coffee — Code of practice	4	RS 259: 2014					Na	
Instant coffee — Determination of moisture content — Karl Fischer method (Reference method)	3	ISO 20938: 2008		Ad				
Sugar confectionary — Caramels, toffees and fudges.	1	RS 65-2: 2013					Na	
Edible ices (icelollies) — Specification.	1	RS 369: 2018					Na	
Dextrose monohydrate (glucose powder) — Specification.	1	RS 43: 2014					Na	
Glucose syrups – Determination of dry matter – vacuum oven method	3	ISO 1742:1980						
Glucose syrup – determination of dry matter content – refractive index method	3	ISO 1743:1982		Ad				
Ground cassava leaves – Specification	3	RS 124: 2013					Na	
Ground cassava leaves mix— Specification	3	RS 345: 2016,					Na	
Canned potatoes – Specification	2	IS 2893					Na	
Methods of sampling and analysis for sugar confectionery	4	IS: 6287					Na	
Code of Good Agricultural Practices (GAP) for Coffee	3						Na	
Tea industry — Code of practice	3	KS 2128: 2015					Na	
Grading for green coffee	3	IS 3581					Na	

Proposed item	Priority	Corresponding International Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Dextrose -- Determination of loss in mass on drying -- Vacuum oven method	4	ISO 1741		Ad				
Fresh dasheen/taro — Specification and grading	2	EAS 480:2010					Na	
Fresh arrowroots – specification	2	KS 2842					Na	
Arrowroot crisps – specification	2	KS 2841					Na	
Production and handling of arrowroots – code of practice	3	KS 2843					Na	
Instant coffee – determination of free-flow and compacted bulk densities	3	ISO 8460		Ad				

Annex C3

ENGINEERING AND MATERIALS PROPOSED STANDARDISATION PROJECTS

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)			Project type				
		Available, and Date	Number	Title	Ad	Ev	Ac	Na	Mo
Animal drawn cart - Specification	1	NA				Ev			
Freight containers – Coding identification and marking	3					Ev			
Packaging sacks – Vocabulary - Part 1- Paper sacks	3					Ev			
Packaging sacks – Vocabulary and types Part 2 – Sacks made from thermoplastic flexible film	3					Ev			
Packaging sacks -Description and method of measurement - Part 2: Empty sacks made from thermo plastic flexible film	3					Ev			
Freight containers – Vocabulary	3					Ev			
Packaging – Complete, filled transport packages and unit loads – Dimensions of rigid rectangular packages	3					Ev			
Tea sacks – Specification Part 1: Reference sack for palletized and containerized transport of tea	3				Ad				
Tea sacks – Specification Part 2: Performance specification for sack for palletized and containerized transport of tea	3				Ad				
MS 293: 1991 Raw hides and skins -Terminology of defects	3					Ev			
MS 76: 2014 Agricultural hand hoe - Specification	1					Ev			
MS 183:1988 Axes and hatchets - Specification	1					Ev			
Animal drawn cart - Specification	1	NA				Ev			
MS 358:1991 Hides and skins, raw -Rules for preservation	1	NA				Ev			
MS 311:1991 Glossary of leather terms	3	NA				Ev			
MS 110:2014 Single furrow animal drawn plough shares - Specification	3	NA				Ev			
MS 110:1997 Single furrow animal drawn plough shares - Specification	4	NA				Ev			
MS 290:1991 Hides and skins, raw - Guidelines for grading	5	NA				Ev			
	5	ISO/WD TR 2822-2		Raw cattle hides and calf skins -- Part 2: Guidelines for grading on the basis of mass	Ad				
	5	ISO 7482-2:1999		Raw goat skins -- Part 2: Guidelines for grading on the basis of mass and size	Ad				
	5	ISO 7482-3:2005		Raw goat skins -- Part 3: Guidelines for grading on the basis of defects	Ad				

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
	5	ISO 11396:2012	Crocodile skins -- Presentation, description of defects, grading on the basis of defects, size (length) and origin	Ad				
	5	ISO 11398:2012	Raw ostrich skins -- Description of defects, guidelines for presentation and grading on basis of defects	Ad				
	5	ISO 28499-2:2009	Buffalo hides and buffalo calf skins -- Part 2: Grading on the basis of mass and size	Ad				
Hessian Sacks	1				Ev			
VAr-hour (reactive energy) meters	1				Ev			
Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 11: Metering equipment (With Amendment 2016)	1				Ev			
Electricity metering equipment (a.c.) - Particular requirements - Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2)	1				Ev			
Electricity metering equipment (a.c.) - Particular Requirements - Part 22: Static meters for active energy (classes 0.2 S and 0.5 S)	1				Ev			
Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2)	1				Ev			
Electricity metering - Data exchange for meter reading, tariff and load control - Part 21: Direct local data exchange	1				Ev			
Electricity meters – marking of auxiliary terminals for tariff devices	1				Ev			
Electricity metering – Local and remote data exchange – Applications and performance	1				Ev			
Electricity metering equipment (ac) – particular requirements – Part 61: power consumption and voltage requirements	1				Ev			
Electricity metering data exchange - The DLMS/COSEM suite - Part 3-1: Use of local area networks on twisted pair with carrier signalling	1				Ev			
Electricity metering – Data exchange for meter reading, tariff and load control – Part 41: Data exchange using wide area networks: Public Switched Telephone Network with LINK+ protocol	1				Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Electricity metering - Data exchange for meter reading, tariff and load control - Part 51: Application layer protocols	1				Ev			
Instrument transformers - Part 2: Additional requirements for current transformers	1				Ev			
Instrument transformers - Part 3: Additional requirements for inductive voltage transformers	1				Ev			
Instrument transformers - Part 4: Additional requirements for combined transformers	1				Ev			
Instrument transformers - Part 5: Additional requirements for capacitor voltage transformers	1				Ev			
Good manufacturing and handling practice for hardware, electrical and chemical products	1				Ev			
MS 6:1994, Burnt bricks - Specification	1				Ev			
MS 3:2004, Unplasticized poly(vinyl chloride), (PVC-U) sewer and drain pipes and pipe fittings – Specification	1				Ev			
MS 39:1995, Plywood and composite boards - Specification	1				Ev			
MS 69:1985, Rounded wood timber - Specification	1				Ev			
MS 106:2005, Welding helmets, hand shields, goggles and welding spectacles	1				Ev			
DMS 160:1887, Burnt clay roofing tiles - Specification	1				Ev			
DMS 162:1987, Fibrecement roofing products - Code of practice for manufacture	3				Ev			
DMS 175: 2010, Burnt bricks - Code of practice for moulding and firing	3				Ev			
MS 182:1988, Machetes - Specification	1				Ev			
MS 350-2: 1999, Sampling procedures for inspection by attributes - Part 2; Sampling plans indexed limiting quality levels (LQ)for isolated lot inspection	3				Ev			
MS 350-3: 1999, Sampling procedures for inspection by attributes - Part 3: Skip-lot sampling procedures	3				Ev			
MS 350-4: 1999, Sampling procedures for inspection by attributes - Part 4: Procedures for assessment of stated quality level	3				Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
MS 369:1991, Footwear side upper leather - Methods of test	3				Ev			
DMS 404:1992, Sealing compounds for the building industry - Specification	1				Ev			
DMS 409:1992, Creosote for wood preservation - Methods of test	3				Ev			
MS 457: 1993, Melamine tableware - Specification	1				Ev			
MS 483:1994, Glossary of footwear terms	3				Ev			
MS 484:1994, Tensile testing of metallic materials	3				Ev			
MS 485-1:2013, Hardness testing of metallic materials Part 1: Rockwell Hardness test	3				Ev			
MS 485-2:2013, Hardness testing of metallic materials Part 2: Rockwell Hardness test	3				Ev			
MS 486:1996, Rubber and plastics materials for soles, heels and heel-top pieces for footwear, and soles, heels and heel-top pieces of such materials - Specification	2				Ev			
MS 487: 1994, Glossary of timber terms and definitions	3				Ev			
MS 490:2013, Stress- graded softwood engineering timber - Specification	1				Ev			
MS 493:1995, Hardwood furniture timber - Specification	1				Ev			
MS 495:1995, Fibre- cement boards - Specification	1				Ev			
DMS 497:1994, Hardwood block and strip flooring - Specification	1				Ev			
MS 499-1:2013, Sawn softwood timber – Specification - Part 1 - General requirements	3				Ev			
MS 499-2:2013, Sawn softwood timber – Specification - Part 2 – Stress-graded structural timber and timber for frame wall construction	2				Ev			
DMS 500:1994, Wood fibre board - Specification	1				Ev			
DMS 501:1994, Softwood shelving - Specification	1				Ev			
Vegetable-tanned bend outer sole leather - Specification	1				Ev			
DMS 568: 1995, Timber buildings - Code of practice	3				Ev			
Tissue paper – Specification - Part 6: Paper dressing (medical) towels	1				Ev			
Tissue paper – Specification - Part 7: Paper serviettes	1				Ev			

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Tissue paper – Specification - Part 8: paper-towel rolls for centre-feed dispensing devices	1				Ev			
Tissue paper – Specification - Part 9: Wrappers for citrus and deciduous fruits	1				Ev			
Softwood industrial timber - Specification	1				Ev			
Particle board - interior type	1				Ev			
Particles board - exterior and floor type	1				Ev			
Sleepers - Specification	1				Ev			
Wooden scaffold boards - Specification	1				Ev			
The design of timber structures	1				Ev			
High pressure decorative laminates	1				Ev			
Code of practice for solid and structured wall pipes and fitting for drainage and sewerage application	3				Ev			
Gaming Equipment - Part 6: Game play/stroke - information	3				Ev			
Motor vehicle tyres and rims - Dimensions and loads - Part 4: Off- the road vehicle tyres	3				Ev			
Motor vehicle tyres and rims - Dimensions and loads - Part 5: Agricultural vehicle tyres	3				Ev			
Part 6: Rim contours	1				Ev			
The care maintenance and use of motor vehicle tyres and rims- Code of practice	3				Ev			
Road signs - Part 1: Retro - reflective sheeting materials	1				Ev			
Road signs - Part 2: Performance requirements for road signs	1				Ev			
Freight containers (Series 1)	1				Ev			
Paper, paper and pulps - Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples	1				Ev			
Paper and board - Sampling to determine average quality	3				Ev			
Timber trusses - Guidelines	3				Ev			
Steel and steel products - General delivery requirements ISO 404	3				Ev			
Masonry walling	1				Ev			
Water for use in lead-acid batteries - Specification	1				Ev			
Treadle pumps - Specifications	1				Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Household refrigerating appliances. Refrigerator – Freezer - Method of test	3				Ev			
Colour and monochrome TV receivers, monitors, tuners, and projectors	3				Ev			
Audio, video electronic appliances - Safety requirements	3							
General requirements, dimensions and output for a range of a.c. motors	3			Ad				
General requirements for rotating electrical machines - Generic	3			Ad				
Rotating electrical machines - Specification for mill auxiliary motor	1			Ad				
Rotating electrical machines - Part 6: Methods of cooling (IC code)	3			Ad				
Rotating electrical machines - Part 8: Terminal marking and direction of rotation	1			Ad				
Household refrigerating appliances - refrigerator, freezer,, food storage cabinets and food freezers cooled by air circulation - Characteristics and test methods	1			Ad				
Low power F.M. radio broadcast transmission	1			Ad				
Energy efficiency in buildings - Part 1: General requirements	3			Ad				
Energy efficiency in buildings - Part 2: The application of energy efficiency requirements for buildings with natural environmental control	3			Ad				
Energy efficiency in buildings - 3: The application of energy efficiency requirements for buildings with artificial ventilation or air conditioning	3			Ad				
Household and similar electrical appliances – Safety - Part 2-6: Particular requirements for cooking ranges, hobs, ovens and similar appliances	3			Ad				
Household and similar electrical appliances – Safety - Part 2-7: Particular requirements for washing machines	3			Ad				
Household and similar electrical appliances – Safety - Part 2- 14: Particular requirements for kitchen machines	3			Ad				
Household and similar electrical appliances – Safety - Part 2-24: Particular requirements for refrigerating appliances, ice cream appliances and ice makers	3			Ad				

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Household and similar electrical appliances – Safety - Part 2-25: Particular requirements for microwave ovens including combination microwave oven	2			Ad				
Household and similar electrical appliances – Safety - Part 2-30: Particular requirements for room heaters	2			Ad				
Household and similar electrical appliances – Safety - Part 2-41: Particular requirements for pumps	2			Ad				
Household and similar electrical appliances – Safety - Part 2-80: Particular requirements for fans	3			Ad				
Seamless and welded black and hot dipped galvanized steel pipes – Method of test	3			Ad				
Threaded couplings, steel, black or zinc coated (Galvanized) welded or seamless for use in steel pipe joints - Specification	1			Ad				
Field acceptance tests to determine the hydraulic performance of hydraulic turbines, storage pumps and pump turbines	3			Ad				
Guide for commissioning, operation and maintenance of hydraulic turbines	3			Ad				
Overhead lines - Requirements and tests for spacers	2				Ev			
Overhead lines - Requirements and tests for spacers	2				Ev			
Power transformers - Part 2: Temperature rise	2				Ev			
Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air	2				Ev			
Power transformers - Part 8: Application guide	2				Ev			
Specifications for gloves and mitts of insulating materials for live working	2				Ev			
High-voltage fuses - Part 1: Current-limiting fuses	2				Ev			
Insulation Co-ordination - Part 2: Application guides	2				Ev			
Aluminium-Magnesium-silicon alloy wire for overhead line conductors	2				Ev			
Methods of testing cement Part 3: Determination of setting time and soundness	3				Ev			
Methods of testing cement Part 4: Quantitative determination of constituents	3				Ev			
Methods of testing cement Part 5: Determination of fineness	3				Ev			
Methods for testing cement Part 7: Methods of taking and preparing samples of cement	3				Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Performance and assessment requirements for design standards on structural concrete	3				Ev			
Railway stations — Passenger platforms Part 1: Clearances on ballastless track (1 065 mm track gauge)	1				Ev			
Concrete paving blocks - Specification	1				Ev			
Symbolic safety signs Part 1: Standard signs and general requirements	1				Ev			
Symbolic safety signs Part 2: Self-luminous (radioluminescent) signs.	1				Ev			
Symbolic safety signs Part 3: Internally illuminated signs.	1				Ev			
Symbolic safety signs Part 4: Retro-reflective signs.	1				Ev			
Symbolic safety signs Part 5: Photoluminescent signs	1				Ev			
Performance requirements for plastic chairs for outdoor use	1				Ev			
Eastern African Power Pool – Connection Code (CC)	1				Ev			
Eastern African Power Pool – Operations Code (OC)	1				Ev			
Eastern African Power Pool – Planning Code (PC)	1				Ev			
Plugs, socket-outlets and couplers for industrial purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories	1				Ev			
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1.2 kV) up to 30 kV (Um = 36 kV) – Part 3: test requirements on accessories for cables with rated voltages from 6 kV (Um = 7.2 kV) and 30 kV (Um = 36 kV)	1				Ev			
Plugs and socket outlets for household and similar purposes – Part 2-5: Particular requirements for adaptors	1				Ev			
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1.2 kV) up to 30 kV (Um = 36 kV) – Part 1: Cables for rated voltages of 1 kV (Um = 1.2 kV) and 3 kV (Um = 3.6 kV)	1				Ev			
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1.2 kV) up to 30 kV (Um = 36 kV) – Part 2: Cables for rated voltages from 6 kV (Um = 7.2 kV) up to 30 kV (Um = 36 kV)	1				Ev			
Appropriate wheelchair	1				Ev			
Packaged, dry, combined materials for mortar and concrete – Specification	1				Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Quality management systems — Guidelines for configuration management	3			Ad				
Small wind turbine standard	1	IEC 61400 IEC 61400-SER ed1.0 (2011-11)	Wind turbine generator systems - ALL PARTS	Ad				
	1	IEC 61400-1 ed3.0	Wind turbines - Part 1: Design requirements IEC 61400-1-am1 ed3.0 (2010-10)	Ad				
	1	IEC 61400-2 ed2.0	Wind turbines - Part 2: Design requirements for small wind turbines	Ad				
	1	IEC 61400-3 ed1.0	Wind turbines - Part 3: Design requirements for offshore wind turbines	Ad				
	1	IEC 61400-11 ed2.1 Consol. with am1	Wind turbine generator systems - Part 11: Acoustic noise measurement techniques	Ad				
	1	IEC 61400-11 ed2.0	Wind turbine generator systems - Part 11: Acoustic noise measurement techniques	Ad				
	1	IEC 61400-11-am1	Amendment 1 - Wind turbine generator systems - Part 11: Acoustic noise measurement techniques	Ad				
	1	IEC 61400-12-1 ed1.0	Wind turbines - Part 12-1: Power performance measurements of electricity producing wind turbines	Ad				
	1	IEC/TS 61400-13 ed1.0	Wind turbine generator systems - Part 13: Measurement of mechanical loads	Ad				
MS 851:2011 Coal and coke - Analysis and test - Determination of trace elements	1	NA			Ev			
Determination of arsenic, antimony and selenium - Hydride generation method	1	NA			Ev			
MS 856: 2011 Hard coal - Determination of caking power - Roga test	1	NA			Ev			
MS 867:2011 Yields of tar, water, gas, and coke residue from coal by low temperature distillation	1	NA			Ev			
MS 868:2011 Guide to the systematic evaluation of coal resources and coal reserves	1	NA			Ev			
MS 869: 2011 Hard coal and coke – Determination of volatile matter	1	NA			Ev			
MS 870: 2011 Coal – Determination of forms of sulphur	1	NA			Ev			
MS 874: 2011 Coal – Determination of plastic properties – Constant-torque Gieseler plastometer method	1	NA			Ev			
MS 527:1999 Solar water heaters - Methods of tests	1	NA			Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
MS 695:2004 Battery-Based Photovoltaic (Pv) Solar Home Systems – Specification	1	NA			Ev			
MS 696:2004 Battery-Based Photovoltaic (Pv) Solar Home Systems – Code Of Practice	1	NA			Ev			
MS 709:2005 Fluorescent Lights For Use In Photovoltaic (Pv) Systems – Specification	1	NA			Ev			
MS 710:2005 Secondary Cells And Batteries For Solar Photovoltaic (Pv) Energy Systems – General Requirements And Methods Of Test	1	NA			Ev			
MS 711:2005 Crystalline Silicon Terrestrial – Photovoltaic (Pv) Modules – Design Qualifications And Type Approval	1	NA			Ev			
MS 758:2006 Domestic Solar Water Heaters – Specification	1	NA			Ev			
MS 759:2006 Solar Water Heaters – Code Of Practice	1	NA			Ev			
MS 760:2006 Domestic Solar Water Heaters – Mechanical Qualifications Tests	1	NA			Ev			
MS 761-1:2006 Domestic Solar Water Heaters Part 1: Thermal Performance Using An Out Door Test	1	NA			Ev			
MS 761-2:2006 Domestic Solar Water Heaters Part 2: Thermal Performance Using An In Door Test	1	NA			Ev			
MS 779:2007 Solar Photovoltaic (Pv) Wind Hybrid System – Specification	1	NA			Ev			
MS 780:2007 Solar Photovoltaic (Pv) Water Pumping System – Specification	1	NA			Ev			
MS 889-1:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 1: General introduction to rural electrification.	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 1: General introduction to rural electrification.		Ev			
MS 889-2:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 2: From requirements to a range of electrification systems	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 2: From requirements to a range of electrification systems		Ev			
MS 889-3:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 3: Project development and management	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 3: Project development and management		Ev			
MS 889-4:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 4: system selection and design	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 4: system selection and design		Ev			
MS 889-5:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 5: Protection against electrical hazards.	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 5: Protection against electrical hazards.		Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
MS 889-6:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 6: Acceptance, operation, maintenance and replacement.	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 6: Acceptance, operation, maintenance and replacement.		Ev			
MS 889-7-1:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 7: Generators Part 7-1: Generators – Photovoltaic arrays.	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 7: Generators Part 7-1: Generators – Photovoltaic arrays.		Ev			
MS 889-7-3:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 7-3: Generator set — Selection of generator sets for rural electrification systems	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 7-3: Generator set — Selection of generator sets for rural electrification systems		Ev			
MS 889-8-1:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 8-1: Selection of batteries and battery management systems for stand-alone electrification systems - Specific case of automotive flooded lead-acid batteries available in developing countries	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 8-1: Selection of batteries and battery management systems for stand-alone electrification systems - Specific case of automotive flooded lead-acid batteries available in developing countries		Ev			
MS 889-9-1:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-1: Micropower systems.	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-1: Micropower systems.		Ev			
MS 889-9-2:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-2: Microgrids.	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-2: Microgrids.		Ev			
MS 889-9-3:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-3: Integrated system - User interface	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-3: Integrated system - User interface		Ev			
MS 889-9-4:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-4: Integrated system - User installation	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-4: Integrated system - User installation		Ev			
MS 889-9-5:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-5: Integrated system - Selection of portable PV lanterns for rural electrification projects	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-5: Integrated system - Selection of portable PV lanterns for rural electrification projects		Ev			
MS 889-9-6:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-6: Integrated system — Selection of Photovoltaic Individual Electrification Systems (PV-IES)	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 9-6: Integrated system — Selection of Photovoltaic Individual Electrification Systems (PV-IES)		Ev			
MS 889-12-1:2011 Recommendations for small renewable energy and hybrid systems for rural electrification Part 12-1:	1	IEC	Recommendations for small renewable energy and hybrid systems for rural electrification Part 12-1: Selection of self-		Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
Selection of self-ballasted lamps (CFL) for rural electrification systems and recommendations for household lighting equipment.			ballasted lamps (CFL) for rural electrification systems and recommendations for household lighting equipment.					
MS 29:2001 Cement - Specification	1	ISO 679:2009	Cement -- Test methods -- Determination of strength		Ev			
	1	ISO 9597:2008	Cement -- Test methods -- Determination of setting time and soundness		Ev			
MS 71:2000 Concrete building blocks - Specification	1				Ev			
MS 161:1988 Cement roofing products - Specification	1				Ev			
MS 309:1991 Concrete and wall tiles - Specification	1				Ev			
MS 627:1998 Fibre-Cement Sheets For Roofing And Cladding (Corrugated And Flat) -- Specification	1				Ev			
MS 755:2007 Gypsum Rock For The Manufacture Of Binders -- Specification	1				Ev			
MS 756:2007 Gypsum Core Cornice -- Specification	1				Ev			
DMS 162:1987 Fibrecement roofing products - Code of practice for manufacture	1				Ev			
DMS 757: 2005 Mineral gypsum -- Methods of test	1				Ev			
DMS 791-1:2007 The structural use of masonry Part 1: Unreinforced masonry walling	1				Ev			
DMS 791-2:2007 The structural use of masonry Part 2: Structural design and requirements for reinforced and pre-stressed masonry	1				Ev			
DMS 792:2007 Masonry walling	1				Ev			
DMS 794:2007 Structural use of concrete Part 1: Design	1				Ev			
MS 869-1: 2011 Energy efficiency in buildings Part 1: General requirements	1			Ad				
MS 869-2: 2011 Energy efficiency in buildings Part 2: The application of energy efficiency requirements for buildings with natural environmental control	1			Ad				
MS 869-3: 2011 Energy efficiency in buildings Part 3: The application of energy efficiency requirements for buildings with artificial ventilation or air conditioning	1			Ad				
MS 875: 2011 Building environment design -- Energy efficiency -- Terminology	1			Ad				
MS 876: 2011 Building environment design -- Guidelines to assess energy efficiency of new buildings	1			Ad				
MS 488:2004 Wooden Ceiling And Paneling Boards -- Specification	1				Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
MS 489:1995 Wooden Poles And Cross-Arms For Power Transmission, Low Voltage Reticulation And Telephone Systems	1				Ev			
MS 493:1995 Timber, Hardwood Furniture – Specification	1				Ev			
MS 494:1995 Boards, Softwood Flooring – Specification	1				Ev			
MS 495:1995 Boards, Fibre-Cement – Specification	1	ISO 8336	Fibre-cement flat sheets -- Product specification and test methods		Ev			
MS 499:1995 Timber, Stress Graded Softwood General Structural – Specification	1				Ev			
MS 502:1995 Softwood Furniture Timber – Specification	1				Ev			
MS 503:1995 Softwood Joinery Timber – Specification	1				Ev			
MS 591:1996 Creosote, Wood Preserving (High Temperature) – Specification	1				Ev			
MS 592:1996 Creosote, Wood Preserving (Lurgi-Gasification Process) – Specification	1				Ev			
MS 596:2005 Mixtures Of Copper-Chromium Arsenic Compounds For Timber Preservatives – Specification	1				Ev			
MS 597:2005 Boron Timber Preservatives – Specification	1				Ev			
MS 598:2002 Safety In The Wood Preservation Industry – Code Of Practice	1				Ev			
MS 599-1:2002 Fibreboard Products – Specification Part 1: Uncoated fibreboards	1				Ev			
MS 599-2:2002 Fibreboard Products – Specification Part 2: Coated fibreboards	1				Ev			
MS 600:2004 Laminated Timber (Glulam) – Specification	1	SO 8375	Timber structures -- Glued laminated timber -- Test methods for determination of physical and mechanical properties		Ev			
MS 602:2005 Mechanical Stress Grading Of Softwood – Timber (Flexural Method) – Code Of Practice	1				Ev			
MS 616:2002	1				Ev			
MS 39:1995 Plywood and composite boards - Method of test	1				Ev			
MS 69:1985 Rounded wood timber - Specification	1				Ev			
DMS 409:1992 Creosote for wood preservation - Methods of test	1				Ev			
MS 487: 1994 Glossary of timber terms and definitions	1				Ev			
MS 490:1994 Stress- graded softwood engineering timber - Specification	1				Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
DMS 491:1994 Manufacture of finger - jointed timber - Code of practice	1				Ev			
DMS 497:1994 Hardwood block and strip flooring - Specification	2				Ev			
MS 639-1 Retro-Reflective Registration Plates For Motor Vehicles – Specification Part 1: Metal blanks	1	ISO 7591	Road vehicles -- Retro-reflective registration plates for motor vehicles and trailers -- Specification		Ev			
MS 639-2 Retro-Reflective Registration Plates For Motor Vehicles – Specification Part 2: Metal registration plates	1	ISO 7591	Road vehicles -- Retro-reflective registration plates for motor vehicles and trailers -- Specification		Ev			
MS 639-3 Retro-Reflective Registration Plates For Motor Vehicles – Specification Part 3: Plastics blanks	1	ISO 7591	Road vehicles -- Retro-reflective registration plates for motor vehicles and trailers -- Specification		Ev			
MS 639-4 Retro-Reflective Registration Plates For Motor Vehicles – Specification Part 4: Plastic registration plates	1	ISO 7591	Road vehicles -- Retro-reflective registration plates for motor vehicles and trailers -- Specification		Ev			
MS 647-2 Safety Glass For Vehicles – Specification Part2: Laminated Safety Glass For Vehicles	1				Ev			
MS 642 Lights for motor vehicles: Secondary lights - Specification	1				Ev			
MS 643 Retro-reflective and fluorescent warning signs for road vehicles - Specification	1				Ev			
MS 644 Restraining devices (safety belts) for occupants of adult build in motor vehicles Specification	1				Ev			
MS 645 Braking on category L motor vehicles - Specification	1				Ev			
MS 646 Lights and light-signalling devices installed on motor vehicles and trailers - Specification	1				Ev			
MS 647 Safety glass for vehicles - Specification Part 1: High penetration - resistant laminated safety glass	1				Ev			
MS 647 Safety glass for vehicles - Specification Part 2: Laminated safety glass for vehicles	1				Ev			
MS 647 Safety glass for vehicles - Specification Part 3: Toughened safety glass for vehicles	1				Ev			
MS 648 Retro-reflectors (reflex reflectors) - Specification	1				Ev			
MS 649 Rear underrun protection devices - Specification	1				Ev			
MS 652 Braking (motor and towed vehicles, designed for low or for use off public roads) - Specification	1				Ev			
MS 653 Electrical connectors for towing and towed vehicles - Specification	1	ISO 1185	Road vehicles -- Connectors for the electrical connection of towing and towed vehicles -- 7-pole connector type 24 N (normal) for vehicles with 24 V nominal supply voltage		Ev			

Proposed item	Priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, and Date	Number Title	Ad	Ev	Ac	Na	Mo
	1	ISO 1724	Road vehicles -- Connectors for the electrical connection of towing and towed vehicles -- 7-pole connector type 12 N (normal) for vehicles with 12 V nominal supply voltage		Ev			
	1	ISO 3731	Road vehicles -- Connectors for the electrical connection of towing and towed vehicles -- 7-pole connector type 24 S (supplementary) for vehicles with 24 V nominal supply voltage		Ev			
	1	ISO 3732	Road vehicles -- Connectors for the electrical connection of towing and towed vehicles -- 7-pole connector type 12 S (supplementary) for vehicles with 12 V nominal supply voltage		Ev			
	1	ISO 4091	Road vehicles -- Connectors for the electrical connection of towing and towed vehicles -- Definitions, tests and requirements		Ev			
DMS 664:2000 Road signs Part 1: Retro - reflective sheeting materials	1				Ev			
DMS 822: 2009 Road vehicles - Inspection and testing of imported used motor vehicles - Specifications	1				Ev			
Vehicles tyres remaining tread depth	3						Na	
Chitetezo stove	1	NA					Na	
Esperanza stove	1	NA					Na	
Mthandizi stove	1	NA					Na	
Mayankho stove	1	NA					Na	
MS 155:2000 Solid fuel cook stove – Type II – Specification	1	NA			Ev			
MS 156:1995 Irons, Solidfuel Pressing – Specification	3	NA			Ev			
MS 157:1995 Cookstove, Liquid Fuel Non Pressure – Specification	1	NA			Ev			
MS 158:1995 Cookstove, Solid Fuel (Type 1) – Specification	1	NA			Ev			
MS 185: 1995 Cookstoves, liquid fuel non-pressure- Methods of test	1	NA			Ev			
Clean cookstoves and clean cooking solutions - Vocabulary	1				Ev			
Clean cookstoves and clean cooking solutions – Harmonised laboratory test protocols: Part 1: Standard test sequence for emissions and performance, safety and durability	1				Ev			
Clean cookstoves and clean cooking solutions – Harmonised laboratory test protocols: Part 3: Voluntary	1				Ev			

Proposed item	priority	Corresponding International/National Standard (Published standard or standard under development)		Project type				
		Available, Number and Date	Title	Ad	Ev	Ac	Na	Mo
performance targets for cookstoves based on laboratory testing								
	1	ISO 19869	Clean cookstoves and clean cooking solutions -- Field testing methods for cookstove			Ac		
	1	ISO/NP TR 19915	Clean cookstoves and clean cooking solutions -- Guidelines for social impact assessment			Ac		
	1	ISO/CD 21795	Mine Closure and Reclamation Management Planning			Ac		
	1	ISO/NP 19426-6	Structures for mine shafts -- Part 6: Design of Shaft Lining			Ac		
	1	ISO/NP 19426-7	Structures for mine shafts -- Part 7: Design of Rope Guides			Ac		
	1	ISO/DIS 22932-1	Mining -- Terminology -- Part 1: Planning and surveying			Ac		
	1	ISO/DIS 22932-2	Mining -- Terminology -- Part 2: Geology			Ac		
	1	ISO/NP 23872	Mining structures -- Underground structures			Ac		
	1	ISO/DIS 20305	Mine closure and reclamation -- Terminology			Ac		

Annex D

Table D1: CURRENT LIST OF TECHNICAL COMMITTEES

MBS/TC 1	Basic standards	MBS/TC 23	Milk and milk products	MBS/TC 47	Metal and metallic products and metallurgy	MBS/TC 71	Nutrition and foods for special dietary uses
MBS/TC 2	Pipes and fittings	MBS/TC 24	Cells and Batteries	MBS/TC 48	Firefighting and fire protection equipment	MBS/TC 72	Gases
MBS/TC 3	Masonry and natural stones including bricks and tiles and stones	MBS/TC 25	Leather and leather products	MBS/TC 49	Transportation of dangerous goods	MBS/TC 73	Transportation of dangerous goods
MBS/TC 4	Electrical installation and distribution systems	MBS/TC 26	Textile and textile products	MBS/TC 50	Fruits, vegetables and their products	MBS/TC 74	Energy management systems
MBS/TC 5	Non edible oils	MBS/TC 27	Fertilizers and other agricultural chemicals	MBS/TC 51	Edible nuts and seeds and their products	MBS/TC 75	Solar and wind technologies
MBS/TC 6	Packaging	MBS/TC 28	Cosmetics	MBS/TC 52	Animal feeds	MBS/TC 76	Broadcasting equipment
MBS /TC 7	National building regulations	MBS/TC 29	Electric lamps and wiring accessories	MBS/TC 53	Root and tuber crops and their products	MBS/TC 77	Telephonic equipment and systems
MBS/TC 8	Spices, condiments and culinary herbs	MBS/TC 30	Environmental protection and pollution control	MBS/TC 54	Organic farming	MBS/TC 78	Hydro electricity generation
MBS/TC 9	Cement, limes and their products	MBS/TC 31	Salt	MBS/TC 55	Laboratory glassware and related apparatus	MBS/TC 79	Bioenergy
MBS/TC 10	Sugar and sugar products	MBS/TC 32	Stationery and paper products	MBS/TC 56	Disinfectants, antiseptics and bleaches	MBS/TC 80	Solid energy
MBS/TC 11	Alcoholic and non-alcoholic beverages	MBS/TC 33	Structural steel and steel products	MBS/TC 57	Adhesives and resins	MBS/TC 81	Cables and conductors
MBS/TC 12	Paints and allied products	MBS/TC 34	Meat, poultry and their products	MBS/TC 58	Domestic insecticides	MBS/TC 82	Mining
MBS/TC 13	Industrial and laboratory chemicals	MBS/TC 35	Kitchen ware excluding melamine, pottery and ceramic products	MBS/TC 59	Commercial explosives and pyrotechnics	MBS/TC 83	Electric tools, equipment and appliances
MBS/TC 14	Edible fats and oils	MBS/TC 36	Rubber and rubber products	MBS/TC 60	Glass and glazing materials	MBS/TC 84	Building and civil engineering
MBS/TC 15	Soaps and detergents	MBS/TC 37	Pharmaceuticals and health care products	MBS/TC 61	Road construction and road signs	MBS/TC 85	Electronic appliances and accessories
MBS/TC 16	Cereals, pulses, legumes and their products.	MBS/TC 38	Brush ware and dusters	MBS/TC 62	Assistive products for persons with disabilities	MBS/TC 86	Computers, computer accessories and computer networking
MBS/TC 17	Timber and timber products	MBS/TC 39	Fish and fishery products	MBS/TC 63	Road vehicles and accessories	MBS/TC 87	Electric machinery and related equipment
MBS/TC 18	Tea, coffee and cocoa products	MBS/TC 40	Metrology	MBS/TC 64	Welding and allied processes		
MBS/TC 19	Bread and confectionaries	MBS/TC 41	Tobacco and tobacco products	MBS/TC 65	Wire and wire products		
MBS/TC 20	Petroleum and petroleum products	MBS/TC 42	Tourism and related services	MBS/TC 66	Switchgear and distribution equipment		
MBS/TC 21	Cook stoves, heaters and related appliances	MBS/TC 43	Traditional medicine	MBS/TC 67	Food hygiene		
MBS/TC 22	Farm implements and machinery	MBS/TC 44	Plastics	MBS/TC 68	Food labelling		
		MBS/TC 45	Iron monger and builders hardware	MBS/TC 69	Water		
		MBS/TC 46	Lifts and escalators	MBS/TC 70	Apiculture products		

Annex E

Table E1: HUMAN RESOURCES REQUIRED IN TERMS OF TECHNICAL OFFICERS

Number of national projects for a three-year planning period						Technical Officers (TOs) - Resource planning								
Division	Types of national projects					Available human resources		Needed human resources (TO) in workdays					TOTAL	Difference
	# of Ad	# of Ev	# of Ac	# of Mo	# of Na	# of TOs	Workdays	TO/Ad	TO/Ev	TO/Ac	TO/Mo	TO/Na		
Chemicals & Textiles	57	202	12	0	54	2	1260	484.5	3191.6	189.6	0	891	4756.7	-3496.7
Food & Agriculture	146	82	5	1	168	4	2520	1241	1295.6	79	8.5	2772	5396.1	-2876.1
Engineering & Materials	46	235	9	0	0	1	630	391	3713	142.2	0	0	4246.2	-3616.2
Total:	249	519	26	1	222	7	4410	2116.5	8200.2	410.8	8.5	3663	14399	-9989
Difference over whole plan:														-47.57
Difference per year:														-15.86

Assumptions on workdays for each type of work (Ac, Na, Ad, Mo, Ev) based on annual targets for each TO:

- a) Total workdays per standard for Ac – 15.8 workdays;
- b) Total workdays per standard for Ev – 15.8 workdays;
- c) Total workdays per standard for Ad – 8.5 workdays;
- d) Total workdays per standard for Mo – 8.5 workdays; and
- e) Total workdays per standard for Na – 16.5 workdays.

Annex F

Sample work plan for TOs



STANDARDS DEVELOPMENT DEPARTMENT

xxxxx DIVISION

STANDARDS WORKPLAN FOR xx TO FOR 2019/2020

TECHNICAL COMMITTEE (TC)	PROJECT NUMBER AND TITLE	PROJECT STAGES	NUMERICAL Target stage	TIME FRAME											
				2019						2020					
		Present stage		J	A	S	O	N	D	J	F	M	A	M	J