

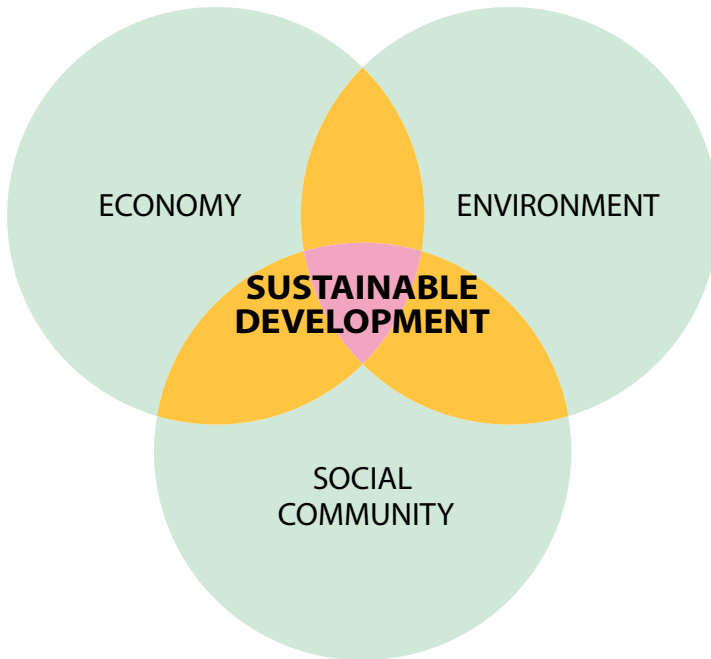


RWANDA STANDARDS PUBLISHED

2019 - 2020



October 2020



Preface

It has been a very hard work to develop 126 new standards, review 41 existing standards, harmonize 100 East African standards including 8 amendments, and endorse a list of 87 International Standards. Due to the work of setting of Standards done in 2019-2020, a number of 68 standards were withdrawn to be replaced by the updated versions. The Annex shows a detailed list of all those standards mentioned here before.

Thanks to the tireless work of the 55 Technical Committees gathering experts from all corners of the country and different sectors, RSB has successfully responded to its official responsibilities and stakeholders requests. The courageous experts composing those Technical Committees totaling more than 500 women and men and around 20 secretaries are recognized to be key pillars towards standardization.

Despite the COVID 19 pandemic outbreak, RSB managed to utilize technology tools in place to communicate and conduct Technical Committee meetings. As result, the above mentioned standards were discussed, approved and published. They are ready and accessible in accordance with the relevant terms.

The emphasis in this document was put on sustainable development mainly including Green building, Energy, Vehicle emissions, Mining, Civil engineering and Wastes management. However, a good number of standards were developed in other fields related to Food, Agriculture, Chemistry, Environment and Services. All those sectors are interlinked with regards sustainable development of the nation. Obviously, since 14 March 2020 Rwanda is facing COVID 19 and this document provides the RSB's response to fighting against this deadly pandemic.

Investors in all development projects, regulatory bodies and private sector members surely will enjoy reading this document. It is important to note that this document provides hints for concerned sectors; the detailed helpful content can be accessed in the relevant standards. With quality services by caring to customers, RSB availed access to those documents which are concurrently source of knowledge and business generation.

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Green building

What is “Green Building”?

“Green building is defined differently by various users, but there is a consensual agreement on the fact that it is an outcome of a design philosophy which focuses on increasing the efficiency of resource use while reducing building impacts on human health and the environment during the building life cycle. Green building promotes energy & water efficiency, takes advantage of the ambient (upland) climate, reduces the need for air-conditioning usage, maximizes natural ventilation, maximizes use of sustainable & locally manufactured buildings materials, provides superior Indoor Environmental Quality (IEQ) to building occupants, protects environment and promotes biodiversity.” *Official Gazette Special number of 16/04/2019, Republic of Rwanda.*

It was in November 2016 when an organization with main function of acting as catalyst of change for sustainability of buildings and communities in the country was established.

The establishment of that organization known as Rwanda Green Building Organization (RwGBO) shows how the government of Rwanda is committed to keeping the country green in all development programs. It is in this framework that *Official Gazette Special number of 16/04/2019*, was published exclusively focusing on “Rwanda green building minimum compliance system”. The gazette provides reliable guidance on how all projects related to building’s life-cycle i.e. from planning to design, construction, operation, maintenance, renovation, and demolition are environmentally responsible and resource-efficient. To support the policy, RSB focused on developing reliable standards with regards to accurate

preservation of the environment.

Sustainable and environmentally friendly buildings are the leading edge in building design today. To achieve a high level of building sustainability in an efficient and effective manner requires the integration of the best management system standards available.

International construction sustainability standards related to building include:

- **RS ISO 21929-1:2006**, *Sustainability in Building Construction– Sustainability Indicators*
- **RS ISO 21930:2007**, *Sustainability in Building Construction–Environmental Declaration of Building Products*
- **RS ISO 16813:2006**, *Building Environmental Design–Indoor Environment, General Principles*
- **ISO 15686-3:2002**, *Buildings and Constructed Assets–Service Life Planning.*

The full integration of these ISO standards in building planning, design, construction, use, improvement, maintenance, and eventual demolition is paramount. This life cycle needs to be considered in conjunction with society, the environment, and the users/occupants, owners and builders.

There is a standard for each step in the process. These steps are complementary and when aligned they create efficiencies. The issues of gaining input from the community, evaluating the environmental impact, communicating with stakeholders, driving continuous improvement, and tracking corrective and preventive actions at all levels of the project are supported by these standards.

Sustainable energy standards

What do you understand by sustainable energy? Briefly, the concept brings attention to the all renewable energy sources i.e. hydroelectricity, biomass, geothermal, wind, wave, tidal and solar energies.

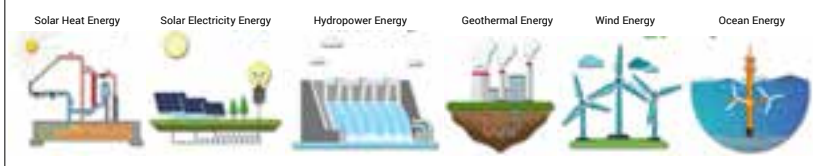
"Our country has been immensely investing in sustainable energy with aim that by 2050, all Rwandans will have access to affordable, sustainable, reliable and modern energy. The Green/Eco-friendly cities and neighborhoods will be engineered by the renewable energies in building the Rwanda we want: towards 'vision 2050". *Ministry of Finance and Economic Planning, 2016.*

Rwanda has potentials of having all those mentioned types of renewable energy and in the post-genocide period the government showed tremendous achievement in the sector. The study carried out by University of Rwanda-College of Science and technology in 2018, showed that 62 % of urban communities have access to electricity though only 8 % rural population can access to electricity energy, the access to electricity remains low and in particularly in the rural areas. However, the electricity

in rural areas rate increased from 6 % in 2008 to 35.3 % in May 2017. *The energy ladder – the link between household energy and development – WHO (2006), November 2019*

It is in this framework that RSB kept on paying its contribution developing standards to support all stakeholders in the sector in order to ensure that all related activities and products are for the safety and wellness of the nation. Namely standards like **RS ISO 50001** for energy management systems, **RS OIML R 46-1/-2** for energy meters, **RS IEC TS 62257** (all parts) for small renewable energy and hybrid systems for rural electrification, **RS IEC 61400-1: 2019** for Wind energy generation systems; RS ISO 9806 and **RS ISO/TR 10217** for solar energy; and **RS IEEE 1366** for Guide for Electric Power Distribution Reliability to mention only those. Recently, another interesting standard on energy performance has been published (**RS 437-1: 2020**) regarding household and street lighting electric lamps, and for sure the best is to come soon with the full determination of the members of the Technical committee RSB/TC 50 Electrical Energy, Equipment and Accessories.

Sustainable Energy Examples



Vehicle emissions standards

Vehicles have shown their devastating contribution in polluting environment and causing diseases or deaths related to respiratory system. Adrien Barnett, the Associate Professor of Public Health, Queensland University of Technology revealed how vehicle emissions make us unhealth and the recent studies have linked traffic pollution with reduced lung and cognitive function, and an increased risk of asthma, breast cancer, lung cancer, childhood leukaemia, heart disease, emergency hospital admissions and death. Traffic pollution is worst during traffic jams, when multiple engines idle in the same spot.

People who live on the busiest roads, he keeps on saying, get some of the highest doses (although the people stuck in their cars get a decent dose too). Depending on wind and topography, the pollutants can also be blown from the roadside to up to 500 meters away. Traffic pollution contains a range of nasty ingredients including carbon monoxide, nitrogen dioxide and fine particles. Once inhaled these can irritate and inflame our lungs, and enter the blood stream where they progress the plaques that lead to heart disease. Traffic pollution is compared to passive smoking. This is because we are exposed to chemicals which cause a wide



Polluting car emissions

range of health problems as smoking does.

It is mandatory to regulate this sector if we want to keep our body persistent to all those diseases and keep the air we breathe clean. This problem becomes more deadly especially in Africa where, most of vehicles on the roads are second-hand imported from the economically giant countries. Those old cars are not equipped with technology to absorb the pollutants in the gas or diesel. On the other side modern vehicles are getting cleaner with any improved technology. Do you mind to hear words like “*zero emissions cars*” in days to come!

All business related to importing/buying vehicles must absolutely consider the quality and technology improvement that

assist to reduce the quantity of discharge of substances such as **Carbon monoxide (CO)**, **hydrocarbon (HC) + nitric oxide (NO)** and **nitrogen dioxide (NOx)** and **Promethium (PM)**.

This problem cannot be solved without standards which assist to establish reliable regulations and carry out necessary inspections. **RS 407; Emission limits — Specification — Part 1: Road vehicles** and **RS 407-2; Emission limits — Specification — Part 2: Non-road mobile machinery** have been published for that purpose. This will assist inspectors on the Rwandan public roads and tested for compliance with exhaust emissions limits. This schedule is laid down to ensure all vehicles in Rwanda comply with the applicable standards.

Emissions inspection schedule

Vehicle category	Initial Inspection	Periodic Inspection (frequency)	Modification Inspection	On-road Random Inspection
Passenger cars Class M1, Motor cycles and Tricycles	All	12 Months	Yes	Yes
All other categories	All	6 Months	Yes	Yes

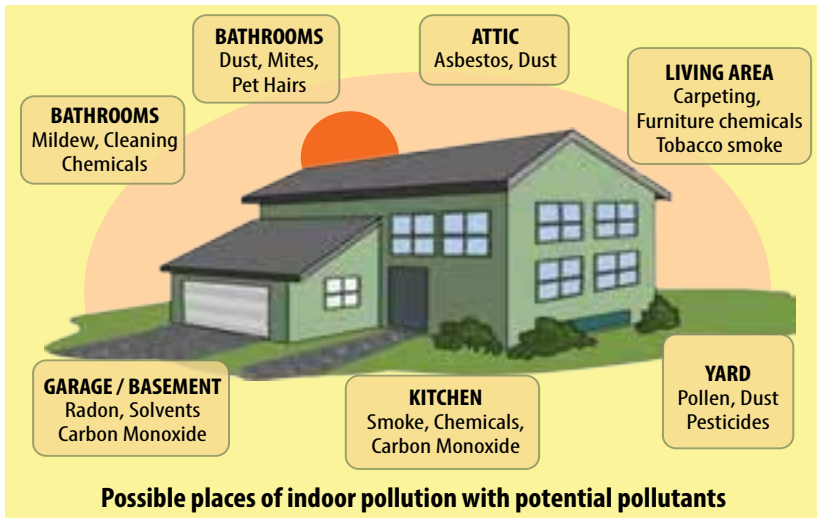
More standards have been developed to assist traders and regulators in this sector. Some of them are **RS 145-2: 2012** for *Testing of motor vehicles for roadworthiness — Evaluation of vehicle test stations*; **RS 291: 2015** for *Maximum road speed governors for motor vehicles — Requirements* and **RS 318-1: 2016** *Requirements for roadworthiness testing — Part 1: Motor vehicles*; and of course many more are ahead.

Standards to contain indoor air pollution

The Worldwide research on number of deaths by risk factor published by *IHME Global Burden on Disease* (GBD) (2017) showed that indoor air pollution is responsible for 1.6 Million of premature deaths each year. The research says that in low-income countries 6 % of all deaths are the result of indoor air pollution. Indoor air pollution results from the burning of solid fuels such as crop waste, dung, charcoal and coal for cooking and heating in households. Burning these fuels produces particulate matter – a major health risk, particularly for respiratory diseases. The burning of such fuels in enclosed spaces

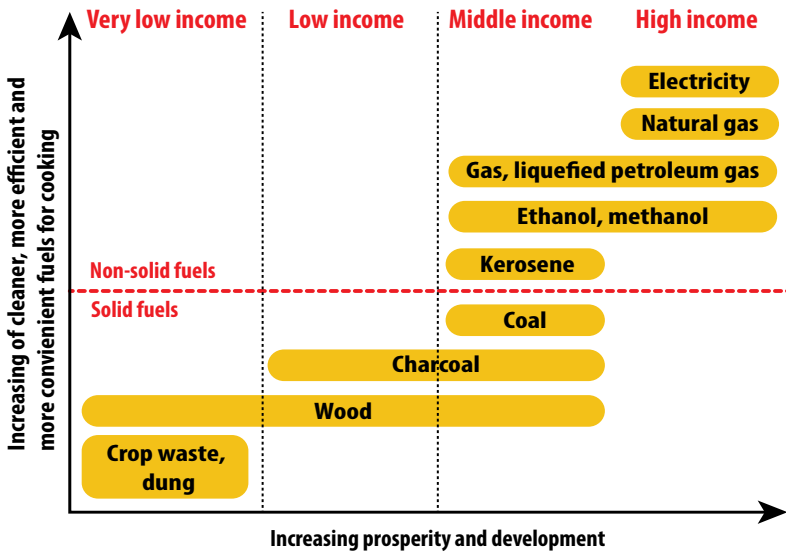
such as small households is a major risk factor for exacerbation of these diseases.

Low-income households tend to rely on solid fuels for cooking because cleaner fuels are either unavailable or too expensive. There is a strong link between death rates from indoor air pollution and access to clean fuels for cooking. By this fact think of the use of crop wastes, wood, charcoal, coal, kerosene, ethanol, methanol, gas, liquefied petroleum gas, natural gas and electricity. Here is what WHO leveled:



In response with this fact, RSB has developed a number of standards in 2019-2020 and even in previous/past years other standards in the same fields were approved such as **RS ISO 50001** for Energy management systems with requirements for guidance for use, **RS 212**

& **RS 213** on domestic storage solar water heating systems and **RS IEC 61400-1** for Wind energy generation systems, to cite only those. Many more are available and please submit your request at RSB if you have any other request.



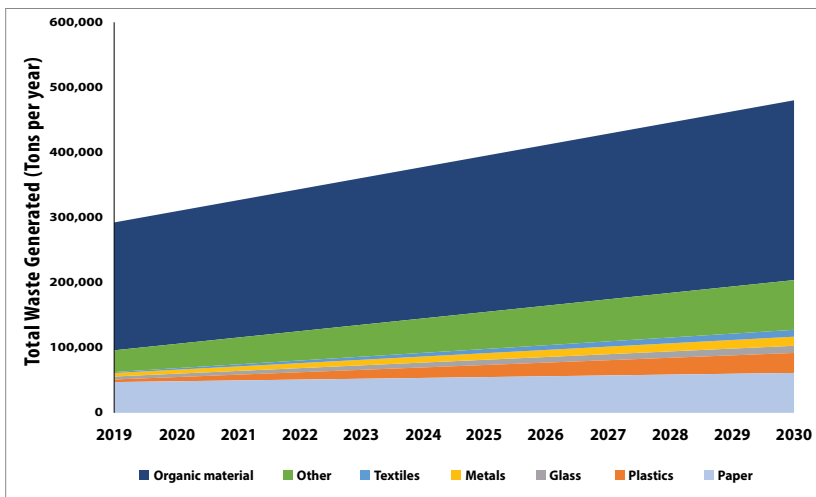
<http://www.ourworlddata.org>; "The energy ladder – the link between household energy and development" – WHO (2006), November 2019.

Wastes management standards

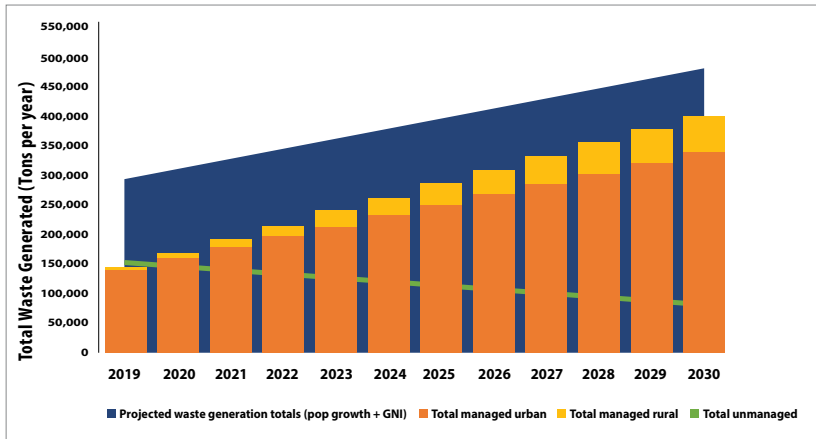
Protection of the planet we live in necessitates proper treatment of all types of wastes whether solid or liquid. Any investment in this sector would sustainably be very beneficial to the owner of the business but also would be a pillar to protecting the entire community.

As Rwanda develops progressively, the quantity of wastes grows considerably. As matter of fact, it is expected that all types of wastes whether organic, textiles, metals, glass plastics, paper, etc. will increasingly grow as shown below:

With such trend, finding adequate solution of treating wastes is an absolute solution. All those wastes deserve a strong management system in order to protect specifically the nation and the planet in general against any negative impact rendered by its mismanagement. If you consider this amount of wastes in City of Kigali only, you can then think how the case is serious across the country. Not only that but also, not all wastes are managed a certain amount of them remain unmanaged or mismanaged and this case can persist in future.



International Growth Centre, "Assessing waste management services in Kigali"
C-38435-RWA-1, July 2019, P.33



International Growth Centre, "Assessing waste management services in Kigali" C-38435-RWA-1, July 2019, P.32

To find solution on this serious danger against Rwandans health and safety, RSB plays its role of developing relevant standards that can victoriously assist all key players in this sector to manage the wastes in sustainable manner. Poor management of health care waste potentially exposes health care workers, waste handlers, patients and the community at large to infection, toxic effects and injuries, and risks polluting the environment. It is essential that all medical waste materials are segregated at the point of generation, appropriately treated and disposed of safely. How can waste be safely handled and disposed in a healthcare environment?

Standards like **RS 180**, **RS 181** and **RS 182** have been developed and reviewed in 2019 in order to cope with the problem of solid wastes. **RS 117** is available for management of mining activities which

result in providing a big amount of solids wastes. In addition to those **RS 143: 2019** is now ready to help Rwandans manage the liquid wastes. A very interesting standard on the design and construction of septic tanks and associated effluent disposal systems has been developed and is available for use.

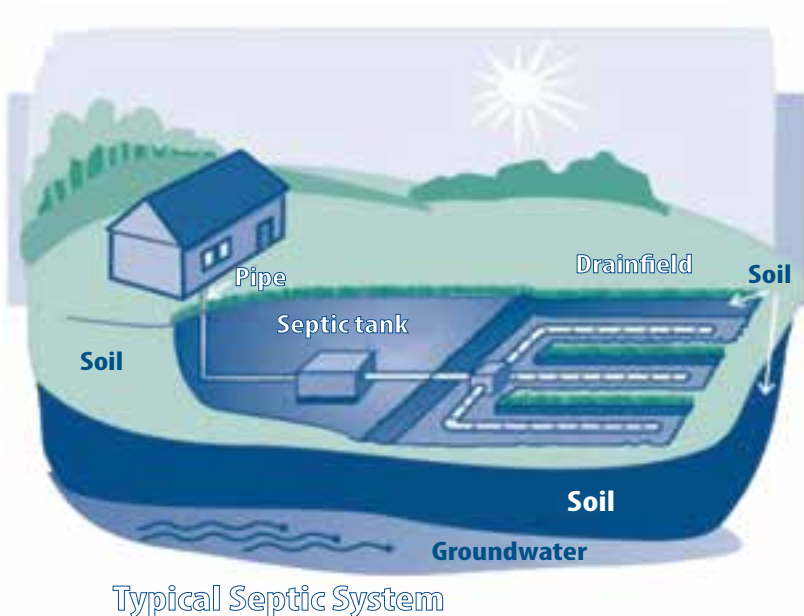
Thanks to all the standards in place and others on program, we will be able to keep our land natural, green, and wonderful. Simply engineers are encouraged to carry out their constructional activities considering these aspects related to protecting environment. Construction of septic tanks has to consider the following:

"The government has, over the past two years, prioritized two special forms of waste remediation – e-waste recycling and hazardous waste treatment – and has enacted regulations regarding these

initiatives. E-waste has generated the most attention recently, given Rwanda's ambitions to become an ICT and technology hub. Given current - annual growth in the generation of e-Waste in Rwanda is at about 5.95 % - and anticipated growth in this sector, the government instituted an e-Waste policy in 2015 targeted at "resource recovery involving the collection and dismantling

of electronics to recover valuable metals."

RSB has already developed standards that will assist all types of stakeholders to abide this regulation. **RS 276-1: 2016** & **RS 276-2: 2016** are the right standards management to assist and they are available e-wastes and **RS 209: 2020** for Waste management within healthcare facilities.



Assessing waste management services in Kigali, C-38435-RWA-1, July 2019; p.51.

Standards to fight COVID 19

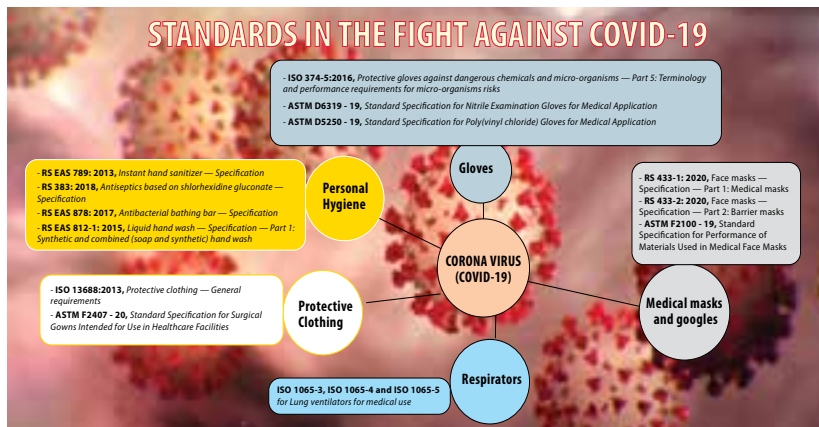
From December 2019 up to now, the world was invaded by a deadly virus and within a window of time it reached all ends of the planet. Protection of the planet takes this as emergency and accurate efforts have been invested to slow down its spread and diminish its consequences. A number of standards have been developed to assist the government and entire society reacts against the international disease. Right after the first case of the disease was diagnosed in Rwanda, 14th March 2020; standards that can assist the society to fight the disease were identified, publicly communicated and accessed free of charge.

Later on, in May 2020, the joint Technical Committee combining experts of RSB/TC 34, Medical equipment and accessories devices and RSB/TC 029, Textile and leather technology met and as result two very important standards were published, that are **RS 433-1** for Medical masks and **RS 433-2** for Barrier masks.

Beside requirements that both types of

masks have to comply to, they also provide how to use them and their dimensions in order to find masks that can fit all categories. Absolutely, they paid their contribution to helping manufacturers produce quality masks. Now we can effectively and efficiently fight COVID 19.

Besides, more standards regarding hygiene are relevant in fighting COVID 19. The standards developed by the Technical committee (**RSB/TC 42 Surface active agents**) on soaps and sanitizers have proved their relevancy.



CONCLUSION

You will find annexed the detailed list of standards that have been published during 2019-2020 financial year. The list completes the existing catalogue of standards published in 2018.

Special attention should be on the withdrawn standards because the list helps know what updates that have been being carried out. We wish you to keep updated and implement the updated versions of standards. This is very simple given that the edition following the one you bought is provided for free.

We are ever committed to hearing from our partner in all sectors in order to fill in any existing gap and carry out standards review whenever necessary. We encourage all of people wishing to contribute to the development of standards to kindly submit their requests and they are warmly welcomed in this financial year we have began (2020-2021) and even in future.

We assure you that standards will be a source of knowledge and success for your business.

REFERENCES

- 1) *International Growth Centre, "Assessing waste management services in Kigali" C-38435-RWA-1, July 2019*
- 2) *The energy ladder – the link between household energy and development – WHO (2006), November 2019*
- 3) *Ministry of Finance and economic Planning, 2016*
- 4) *Official Gazette no. Special of 16/04/2019, Republic of Rwanda*
- 5) <http://www.ourworlddata.org>

ANNEX

LIST OF STANDARDS PUBLISHED 2019-2020

SN	Standard reference number	Status	Standards Title
NEW STANDARDS			
FOOD, AGRICULTURE, CHEMISTRY, SERVICES AND ENVIRONMENT STANDARDS			
RSB/TC 11, Cosmetics and Related Products			
1	RS 408: 2019	New	Perfumes – Specification
RSB/TC 24, Chemicals and Consumer Products			
2	RS 406: 2019	New	Pesticides – Terminology
3	RS 405: 2019	New	Pesticides – Sampling
4	RS ISO 150: 2018	New	Raw, refined and boiled linseed oil for paints and varnishes
RSB/TC 42, Surface Active Agents			
5	RS 403: 2019	New	Household fabric softeners – Specification
6	RS 404: 2019	New	Liquid oxygen based bleach for domestic use – Specification
RSB/TC 44, Essential oils			
7	RS ISO 1279: 1996	New	Essential oils – Determination of carbonyl value – Potentiometric methods using hydroxylammonium chloride
RSB/TC 13, Water and sanitation			
8	RS ISO 24521: 2016	New	Activities relating to drinking water and wastewater services – Guidelines for the management of basic on-site domestic wastewater services
9	RS ISO 20419:2018	New	Treated wastewater reuse for irrigation – Guidelines for the adaptation of irrigation systems and practices to treated wastewater

LIST OF STANDARDS PUBLISHED 2019-2020

SN	Standard reference number	Status	Standards Title
10	RS ISO 30500: 2018	New	Non-sewered sanitation systems – Prefabricated integrated treatment units -General safety and performance requirements for design and testing
RSB/TC 1, Non alcoholic beverages			
11	RS 414: 2020	New	Sugarcane juice – Specification
12	AOAC 950.17	New	Official Method Citric Acid in Non-alcoholic Beverages
13	AOAC 950.21	New	Official Method Acidity (Volatile) in Non-alcoholic Beverages
RSB/TC 18, Farming			
14	RS 428: 2020	New	Rwanda Good Agricultural Practices – Basic requirements
RSB/TC 38, Processed fruits and vegetables			
15	RS 430: 2020	New	Dried banana – Specification
RSB/TC 3, Cereals, Pulses, Legumes and Cereal Products-RSB/TC 38 Processed Fruits and Vegetables			
16	RS 415: 2020	New	Sesame seeds – Specification
17	RS 416: 2020	New	Sesame flour – Specification
18	RS 417: 2020	New	Peanut flour – Specification
19	RS 418: 2020	New	Pumpkin seed flour – Specification
20	RS 419: 2020	New	Pumpkin pulp flour – Specification
21	RS 420: 2020	New	Banana crisps – Specification
22	RS 421: 2020	New	Fried plantain chips – Specification
23	RS 422: 2020	New	Banana chips – Specification
24	RS 429: 2020	New	Chocolate and chocolate products – Specification
25	RS ISO 542	New	Oilseeds – Sampling

LIST OF STANDARDS PUBLISHED 2019-2020

SN	Standard reference number	Status	Standards Title
26	RS ISO 659	New	Oilseeds – Determination of oil content (Reference method)
27	RS ISO 665	New	Oilseeds – Determination of moisture and volatile matter content
28	RS ISO 729	New	Oilseeds – Determination of acidity of oils
29	AOAC 923.03	New	Ash of Flour (Direct Method)
CHEMISTRY			
RSB/TC 24, Chemicals and Consumer Products			
30	RS 409: 2020	New	School chalks – Specification
31	RS 410: 2020	New	Cigars – Specification
32	RS ISO 16632	New	Tobacco and tobacco products – Determination of water content – Gas chromatography method
RSB/TC 44, Essential oils			
33	RS ISO 16928: 2014	New	Essential oil of Ginger [<i>Zingiber officinale</i>]
34	RS ISO 3518: 2002	New	Oil of Sandalwood (<i>Santalum album L.</i>)
35	RS ISO 3475:2020	New	Essential oil of aniseed (<i>Pimpinella anisum L.</i>)
36	RS ISO 21631:2020	New	Essential oil of clementine (<i>Citrus clementina hort. ex Tanaka syn. Citrus reticulata Blanco x Citrus sinensis (L.) Osbeck</i>), Spanish type
SERVICES			
RSB/TC 14, Quality Management and Quality Assurance			
37	RS ISO 11799: 2015	New	Information and documentation – Document storage requirements for archive and library materials

LIST OF STANDARDS PUBLISHED 2019-2020

SN	Standard reference number	Status	Standards Title
38	RS ISO 13008: 2012	New	Information and documentation – Digital records conversion and migration process
39	RS ISO 16175-1: 2010	New	Information and documentation – Principles and functional requirements for records in electronic office environments – Part 1: Overview and statement of principles
40	RS ISO 14641: 2018	New	Electronic document management – Design and operation of an information system for the preservation of electronic documents – Specifications
RSB/TC 33, Tourism and Hospitality			
41	RS ISO 20611: 2018	New	Adventure tourism – Good practices for sustainability – Requirements and recommendations
42	RS ISO 21103: 2014	New	Adventure tourism – Information for participants
43	RS ISO 21401: 2018	New	Tourism and related services – Sustainability management system for accommodation establishments – Requirements
RSB/TC 41/ISO/TC 207, Environment Management			
44	RS ISO 14067: 2018	New	Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification

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SN	Standard reference number	Status	Standards Title
ENGINEERING STANDARDS			
RSB/TC 23 & 41 Road Vehicles and Environment			
45	RS 407-1: 2019	New	Emission limits – Specification – Part 1: Road vehicles
46	RS 407-2: 2019	New	Emission limits – Specification – Part 2: Non-road mobile machinery
RSB/TC 9, Civil Engineering & Building Materials			
47	RS ASTM D1883 – 16	New	Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils
48	RS ASTM D1557 - 12	New	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))
49	RS ISO 1182: 2010	New	Reaction to fire tests for products – Non-combustibility test
50	RS ISO/TR 12470-1	New	Fire-resistance tests – Guidance on the application and extension of results from tests conducted on fire containment assemblies and products – Part 1: Load bearing elements and vertical and horizontal separating elements
RSB /TC 26, LPG and Natural gas accessories and Equipments			
51	RS ISO 11119-3: 2013	New	Gas cylinders – Refillable composite gas cylinders and tubes – Design, construction and testing – Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 L with non-load-sharing metallic or non-metallic liners

LIST OF STANDARDS PUBLISHED 2019-2020

SN	Standard reference number	Status	Standards Title
52	RS ISO 11119-4: 2016	New	Gas cylinders – Refillable composite gas cylinders – Design, construction and testing – Part 4: Fully wrapped fibre reinforced composite gas cylinders up to 150 l with load-sharing welded metallic liners
53	RS ISO 11623: 2015	New	Gas cylinders – Composite construction – Periodic inspection and testing
RSB/TC 46, Metrology and physical phenomena			
54	RS ISO 8655-1: 2002	New	Piston-operated volumetric apparatus – Part 1: Terminology, general requirements and user recommendations
55	RS ISO 648: 2008	New	Laboratory glassware – Single-volume pipettes
56	RS ISO 1042: 1998	New	Laboratory glassware – One-mark volumetric flasks
57	RS ISO 4788: 2005	New	Laboratory glassware – Graduated measuring cylinders
58	RS ISO/TR 20461: 2000	New	Determination of uncertainty for volume measurements made using the gravimetric method
59	RS ISO 4787: 2010	New	Laboratory glassware – Volumetric instruments – Methods for testing of capacity and for use
60	RS ISO 8655-2	New	Piston-operated volumetric apparatus – Part 2: Piston pipettes
61	RS ISO 8655-3	New	Piston-operated volumetric apparatus – Part 3: Piston burettes

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SN	Standard reference number	Status	Standards Title
62	RS ISO 8655-4	New	Piston-operated volumetric apparatus – Part 4: Dilutors
63	RS ISO 8655-5	New	Piston-operated volumetric apparatus – Part 5: Dispensers
64	RS ISO 8655-6	New	Piston-operated volumetric apparatus – Part 6: Gravimetric methods for the determination of measurement error
65	RS IEC 60073	New	Basic and safety principles for man-machine interface, marking and identification – Coding principles for indication devices and actuators
66	RS IEC 61326-1	New	Electrical equipment for measurement, control and laboratory use – EMC requirements
67	RS ISO 384	New	Laboratory glassware – Principles of design and construction of volumetric glassware
68	RS ISO 719	New	Glass – Hydrolytic resistance of glass grains at 98 °C – Method of test and classification
69	RS ISO 1769	New	Laboratory glassware – Pipettes – Colour coding
70	RS ISO 3696	New	Water for analytical laboratory use – Specification and test methods
71	RS ISO 648	New	Laboratory glassware – Single-volume pipettes
72	RS ISO 1042	New	Laboratory glassware – One-mark volumetric flasks
73	RS ISO 3696	New	Water for analytical laboratory use – Specification and test methods

LIST OF STANDARDS PUBLISHED 2019-2020

SN	Standard reference number	Status	Standards Title
74	RS ISO 4788	New	Laboratory glassware – Graduated measuring cylinders
75	RS ISO/IEC Guide 99	New	International vocabulary of metrology – Basic and general concepts and associated terms (VIM)
76	RS ISO 11690-2: 1996	New	Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 2: Noise control measures
77	RS ISO 1996-1: 2016	New	Acoustics – Description, measurement and assessment of environmental noise – Part 1: Basic quantities and assessment procedures
78	RS ISO 1996-2: 2017	New	Acoustics – Description, measurement and assessment of environmental noise – Part 2: Determination of sound pressure levels
RSB/TC 54, Timber, furniture and engineered wood			
79	RS 413: 2020	New	Furniture – Quality and grading of wooden furniture
80	RS 423-1: 2020	New	Furniture – Functional sizes and Performance Requirements – Part 1: Chairs and tables for office furniture
81	RS 423-2: 2020	New	Furniture – Functional sizes and Performance Requirements – Part 2: Storage units
82	RS 423-3: 2020	New	Furniture – Functional sizes and Performance Requirements – Part 3: Chairs and tables for educational institutions

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SN	Standard reference number	Status	Standards Title
83	RS 424: 2020	New	Furniture – Bedsteads – Specification
84	RS 427: 2020	New	Round and sawn timber – Nomenclature of timbers used in Rwanda
85	RS 423-4: 2020	New	Furniture – Chairs and tables for home furniture – Functional sizes and performance requirements
86	RS 434: 2020	New	Furniture – Tables – Test methods for the determination of stability, strength and durability
87	RS 435: 2020	New	Timber in joinery – General requirements
88	RS ISO 7172	New	Furniture – Tables – Determination of stability
89	RS ISO 105-A02	New	Textiles – Tests for colour fastness – Part A02: Grey scale for assessing change in colour
90	RS ISO 7170	New	Furniture – Storage units – Test methods for the determination of strength and durability
91	RS ISO 7171	New	Furniture – Storage units – Test methods for the determination of stability
92	RS ISO 21015	New	Office furniture – Office work chairs – Test methods for the determination of stability, strength and durability
93	RS ISO 21016	New	Office furniture – Tables and desks – Test methods for the determination of stability, strength and durability

LIST OF STANDARDS PUBLISHED 2019-2020

SN	Standard reference number	Status	Standards Title
94	RS ISO 16415	New	Non-structural timber grading requirements
95	RS ISO 19833	New	Furniture – Beds – Test methods for the determination of stability, strength and durability
96	RS ISO 19209	New	Adhesives – Classification of thermoplastic wood adhesives for non-structural applications
RSB/TC 47, Steel Aluminum and related product			
97	RS 412: 2020	New	Steel door frames – Specification
98	RS ISO 6002: 1992	New	Bolted bonnet steel gate valves
99	RS ISO 16631: 2016	New	Ductile iron pipes, fittings, accessories and their joints compatible with plastic (PVC or PE) piping systems, for water applications and for plastic pipeline connections, repair and replacement
100	RS ISO 7186: 2011	New	Ductile iron products for sewerage applications
101	RS ISO 6935-1: 2007	New	Steel for the reinforcement of concrete – Part 1: Plain bars
102	RS ISO 6935-2: 2019	New	Steel for the reinforcement of concrete – Part 2: Ribbed bars
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103	RS 432: 2020	New	Handmade ceramic products – Specification
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104	RS ASTM D 4726-18	New	Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior – Profile Extrusions
105	RS ASTM D 3678-14	New	Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Interior – Profile Extrusions

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107	RS ISO 4892-2: 2013	New	Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps
108	RS ISO 8421-1	New	Fire protection – Vocabulary – Part 1: General terms and phenomena of fire
119	RS ISO 7201	New	Fire protection – Fire extinguishing media – Halogenated hydrocarbons – Part 1: Specifications for halon 1211 and halon 1301
110	RS ISO 7201-2	New	Fire extinguishing media – Halogenated hydrocarbons – Part 2: Code of practice for safe handling and transfer procedures of halon 1211 and halon 1301
111	RS ISO 14520-15	New	Gaseous fire-extinguishing systems – Physical properties and system design – Part 15: IG541 extinguishant
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112	RS 411-1: 2020	New	Sport balls – Specification – Part 1: Footballs
113	RS 431: 2020	New	Leather bags – Specification
114	RS ISO 3175-1: 2017	New	Textiles – Professional care, dry-cleaning and wet cleaning of fabrics and garments – Part 1: Assessment of performance after cleaning and finishing

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116	RS ISO 3175-3: 2017	New	Textiles – Professional care, dry-cleaning and wet cleaning of fabrics and garments – Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvents
117	RS ISO 3175-4: 2018	New	Textiles – Professional care, dry-cleaning and wet cleaning of fabrics and garments – Part 4: Procedure for testing performance when cleaning and finishing using simulated wet cleaning
118	RS ISO 11640	New	Leather – Tests for colour fastness – Colour fastness to cycles of to-and-fro rubbing
119	RS ISO 11642	New	Leather – Tests for colour fastness – Colour fastness to water
120	RS ISO 12944-5	New	Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 5: Protective paint system
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121	RS ISO/IEC 19944: 2017	New	Information technology – Cloud computing – Cloud services and devices: Data flow, data categories and data use

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123	RS ISO/IEC/IEEE 8802-21-1: 2018	New	Information technology – Telecommunications and information exchange between systems – local and metropolitan area networks – Part 21-1: Media independent services
RSB/TC 34, Medical equipment and accessories devices & RSB/TC 029, Textile and leather technology			
124	RS 433-1: 2020	New	Face masks – Specification – Part 1: Medical masks
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126	RS 437-1: 2020	New	Minimum Energy performance – Requirements – Part 1: Household street lighting electric lamps
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127	RS ISO 10001:2018	Review	Quality management – Customer satisfaction – Guidelines for codes of conduct for organizations
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129	RS ISO 10004:2018	Review	Quality management – Customer satisfaction – Guidelines for monitoring and measuring
130	RS ISO 9004:2018	Review	Quality management – Quality of an organization – Guidance to achieve sustained success
131	RS ISO 19011:2018	Review	Guidelines for auditing management systems
132	RS ISO 31000: 2018	Review	Risk Management
133	RS 208-1: 2020	Review	Business process outsourcing and offshoring operations – Part 1: outbound contact centre operations
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134	RS 220: 2020	Review	Travel and tour operations – Code of practice
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135	RS 209: 2020	Revision	Waste within healthcare facilities – Handling and disposal – Code of practice
136	RS 210: 2020	Revision	Safety procedures for the disposal of surplus pesticides and associated toxic waste – Code of practice
RSB/TC 55, Roads and Highway Engineering			
137	RS 262: 2019	Review	Road Kerbs, edges and channels – Specification
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140	RS ISO 11601: 2017	Review	Fire fighting – Wheeled fire extinguishers – Performance and construction
141	RS ISO 13943: 2017	Review	Fire safety – Vocabulary
142	RS ISO 23932-1: 2018	Review	Fire safety engineering – General principles – Part 1: General principles
143	RS ISO 7165: 2017	Review	Firefighting – Portable fire extinguishers – Performance and construction
144	RS ISO 7202: 2018	Review	Fire protection – Fire extinguishing media – Powder
145	RS ISO/TS 11602-1: 2010	Review	Fire protection – Portable and wheeled fire extinguishers – Part 1: Selection and installation
146	RS ISO/TS 11602-2: 2010	Review	Fire protection – Portable and wheeled fire extinguishers – Part 2: Inspection and maintenance
147	RS ISO 14520-1: 2015	Review	Gaseous fire-extinguishing systems – Physical properties and system design – Part 1: General requirements
148	RS ISO 14520-5: 2019	Review	Gaseous fire-extinguishing systems – Physical properties and system design – Part 5: FK-5-1-12 extinguishant
149	RS ISO 14520-8: 2019	Review	Gaseous fire-extinguishing systems – Physical properties and system design – Part 8: HFC 125 extinguishant

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151	RS ISO 14520-10: 2019	Review	Gaseous fire-extinguishing systems – Physical properties and system design – Part 10: HFC 23 extinguishant
152	RS ISO 14520-11: 2016	Review	Gaseous fire-extinguishing systems – Physical properties and system design – Part 11: HFC 236fa extinguishant
153	RS ISO 14520-12: 2015	Review	Gaseous fire-extinguishing systems – Physical properties and system design – Part 12: IG-01 extinguishant
154	RS ISO 14520-13: 2015	Review	Gaseous fire-extinguishing systems – Physical properties and system design – Part 13: IG-100 extinguishant
155	RS ISO 14520-14: 2015	Review	Gaseous fire-extinguishing systems – Physical properties and system design – Part 14: IG-55 extinguishant
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156	RS ISO 4074: 2015	Review	Natural rubber latex male condoms – Requirements and test methods
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157	RS 225: 2020	Review	Post-Harvest Handling and Storage (PHHS) of maize grains – Guidelines
158	RS 226: 2020	Review	Post-harvest handling and storage (PHHS) of dry beans – Guidelines
159	RS 227: 2020	Review	Post-harvest handling and storage (PHHS) of wheat – Guidelines

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161	RS 229: 2020	Review	Post-Harvest Handling and Storage (PHHS) of dry soybeans – Guideline
162	RS 230: 2020	Review	Post-Harvest Handling and Storage (PHHS) of rice – Guidelines
163	RS 231: 2020	Review	Storage of grains and pulses – Code of practice
164	RS 264: 2020	Review	Warehouse and warehousing for storage of bagged grains – Requirements
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165	RS EAS 767:2019	Harm	Fortified wheat flour – Specification (2nd Edition)
166	RS EAS 768:2019	Harm	Fortified milled maize(corn) products –Specification (2 nd Edition)
167	RS EAS 769:2019	Harm	Fortified edible fats and oils – Specification (2 nd Edition)
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168	RS EAS 1: 2019	Harm	Wheat flour – Specification (4 th Edition)
169	RS EAS 44: 2019	Harm	Milled maize (Corn) products – Specification (4 th Edition)
170	RS EAS 799: 2019	Harm	Edible full fat soya flour (2nd Edition)
171	RS EAS 782: 2019	Harm	Composite flour – Specification (2nd Edition)
172	RS EAS 757: 2019	Harm	Sorghum grains – Specification (3 rd Edition)
173	RS EAS 331: 2019	Harm	Green gram – Specification (3rd Edition)

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174	RS EAS 758: 2019	Harm	Finger millet grains – Specification (3rd Edition)
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175	RS EAS 22:2018	Harm	Butter – Specification (3rd Edition)
176	RS EAS 27:2018	Harm	UHT milk – Specification (3rd Edition)
177	RS EAS 33:2018	Harm	Yoghurt – Specification (3rd Edition)
178	RS EAS 49: 2018	Harm	Milk powders and cream powder – Specification (3rd Edition)
179	RS EAS 67: 2018	Harm	Raw cow milk – Specification (3rd Edition)
180	RS EAS 69: 2018	Harm	Pasteurized milk – Specification (3rd Edition)
181	RS EAS 70: 2018	Harm	Dairy ice cream – Specification (3rd Edition)
182	RS EAS 87: 2018	Harm	Sweetened condensed milk – Specification (3rd Edition)
183	RS EAS 915: 2018	Harm	Ghee – Specification (1st Edition)
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184	RS EAS 945:2019	Harm	Pickles – Specification (1st Edition)
185	RS EAS 946:2019	Harm	Dried mango – Specification (1st Edition)
186	RS EAS 947:2019	Harm	Jams, jellies and marmalade – Specification (1st Edition)
187	RS EAS 77:2019	Harm	Fruits drinks – Specification (2nd Edition)
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191	RS EAS 63: 2019	Harm	Beer – Specification (3rd edition)
192	RS EAS 138: 2019	Harm	Still table wine – Specification (3rd edition)
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193	RS EAS 28 2018	Harm	Black tea – Specification (2nd Edition)
194	RS EAS 921: 2018	Harm	Green tea – Specification (1st Edition)
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196	RS EAS 923:2018	Harm	Instant tea – Specification (1st Edition)
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197	RS EAS 919: 2019	Harm	Pilau Masala – Specification (1st Edition)
198	RS EAS 920:2019	Harm	Tea Masala – Specification (1st Edition)
199	RS EAS 98: 2019	Harm	Curry powder – Specification (2nd Edition)
200	RS EAS 916: 2019	Harm	Ginger – Specification (1st Edition)
201	RS EAS 917: 2019	Harm	Turmeric – Specification (1st Edition)
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205	RS EAS 99:2019	Harm	Spices and Condiments – Terminology (2nd Edition)
RSB/TC 8, Animal feeding stuffs			
206	RS EAS 55:2019	Harm	Compounded pig feeds – Specification (2nd Edition)
207	RS EAS 75:2019	Harm	Compounded cattle feed – Specification (2nd Edition)
208	RS EAS 90:2019	Harm	Compounded poultry feeds – Specification (2nd Edition)
209	RS EAS 973:2019	Harm	Compounded fish feeds – Specification (1 st Edition)
210	RS EAS 974:2018	Harm	Compounded dairy goat feeds – Specification (1st edition)
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211	RS EAS 456: 2019	Harm	Organic production standard (2nd Edition)
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212	RS EAS 904: 2019	Harm	Fertilizers – Phosphate rock powder – Specification (1st Edition)
213	RS EAS 906: 2019	Harm	Fertilizers – Triple Superphosphate – Specification (1st Edition)
214	RS EAS 907: 2019	Harm	Fertilizers – Potassium sulphate (sulphate of potash) – Specification (1st Edition)
215	RS EAS 908: 2019	Harm	Fertilizers – Potassium chloride (muriate of potash) – Specification (1st Edition)
216	RS EAS 909: 2019	Harm	Fertilizers – Calcium ammonium nitrate (CAN) – Specification (1st Edition)

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218	RS EAS 911: 2019	Harm	Fertilizers – Ammonium sulphate (sulphate of ammonia) – Specification (1st Edition)
219	RS EAS 912: 2019	Harm	Fertilizers – Nitrogen, Phosphorus, Potassium (NPK) Compound – Specification (1st Edition)
220	RS EAS 913: 2019	Harm	Solid Fertilizers – Methods of sampling (1st Edition)
RSB/TC 24, Organic and Inorganic chemicals			
221	RS EAS 926:2019	Harm	Varnishes for interior surfaces – Specification (1st Edition)
222	RS EAS 927:2019	Harm	Road marking paints – Specification (1st Edition)
223	RS EAS 928-1:2019	Harm	Hot applied thermoplastic road marking paint – Specification, Part 1: Constituent material and mixtures (1st Edition)
224	RS EAS 928-2:2019	Harm	Hot applied thermoplastic road marking paint – Specification – Part 2: Road performance Specification (1st Edition)
225	RS EAS 929:2019	Harm	Solvent-based paint remover – Specification (1st Edition)
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226	RS EAS 158: 2019	Harm	Automotive gasoline (Premium motor spirit) – Specification (3rd edition)
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228	RS EAS 848: 2016, Amd 1: 2019		Water-thinned priming paints for wood – Specification

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230	RS EAS 850: 2016, Amd 1: 2019		Matt solvent-borne paint for interior and exterior use – Specification
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232	RS EAS 852: 2016, Amd 1: 2019		Air-dried roofing paint – Specification
233	RS EAS 853-1: 2016, Amd 1: 2019		Auto-refinishing paint – Specification – Part 1: Synthetic resin based
234	RS EAS 853-2: 2016, Amd 1: 2019		Auto-refinishing paint – Specification – Part 2: Nitrocellulose resin based
235	RS EAS 856: 2016, Amd 1: 2019		2-Pack acrylic resin-based auto-refinishing paint – Specification,
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236	RS EAS 930: 2019	Harm	Paper and board food contact material – Specification (1st Edition)
237	RS EAS 931: 2019	Harm	Packaging ancillary materials – Code of practice – Desiccants (1st Edition)
238	RS EAS 932: 2019	Harm	Paper Plates, Cups for food packaging – Specification (1st Edition)
239	RS EAS 933: 2019	Harm	Paper and board intended to come into contact with foodstuffs – Determination of formaldehyde in an aqueous extract (1st Edition)
240	RS EAS 934: 2019	Harm	Packaging – Flexible laminate tubes – Test methods to assess the strength of the side seam (1 st Edition)
241	RS EAS 935:2019	Harm	Packaging code – Part 1: Packaging in glass (1st Edition)

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243	RS EAS 356:2019	Harm	Textiles – Requirements for inspection and acceptance of used textile products (2nd Edition)
244	RS ARS 1568-10: 2017	Harm	School clothing – Part 10: Jerseys and cardigans
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246	RS ARS 1568-7: 2017	Harm	School clothing – Part 7: Slacks and skirts
247	RS ARS 1568-6: 2017	Harm	School clothing – Part 6: Dresses, tunics and gyms
248	RS ARS 1568-4: 2017	Harm	School clothing – Part 4: Shirts
249	RS ARS 1567-7: 2017	Harm	School wear fabrics – Part 7: Fabrics containing textured yarns
250	RS ARS 1567-6 : 2017	Harm	School wear fabrics – Part 6: Shirting and blouse fabrics
251	RS ARS 1567-5:2017	Harm	School wear fabrics – Part 5: Polyester and cotton fabrics
252	RS ARS 1567-4:2017	Harm	School wear fabrics – Part 4: Polyester and viscose fabrics
253	RS ARS 1567-3: 2017	Harm	School wear fabrics – Part 3: Polyester-wool blend fabrics
254	RS ARS 1567-2: 2017	Harm	School wear fabrics – Part 2: Blazer fabrics
255	RS ARS 1567-1: 2017	Harm	School wear fabrics – part 1: Basic requirements
256	RS ARS 1565: 2017	Harm	Footwear – Sports shoes – Specification
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259	RS ARS 1553: 2017	Harm	Leather – men’s and women’s belts – Specification
260	RS EAS 325: 2002	Harm	Wood preservative and treated timber – Guide to sampling and preparation of wood preservative and treated timber for analysis
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261	RS EAS 134:2019	Harm	Cold rolled steel sections – Specification (3rd Edition)
262	RS EAS 914:2019	Harm	Mild steel nails – Specification (1st Edition)
263	RS EAS 11:2019	Harm	Hot-dip galvanized plain and corrugated steel sheets – Specification (3rd Edition)
264	RS EAS 468:2019	Harm	Pre-painted metal coated steel sheets and coils – Specification (3rd Edition)

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2	ISO 8157 , Fertilizers and soil conditioners – Vocabulary
3	ISO 7409 , Fertilizers – Marking – Presentation and Declarations
4	ISO 10084 , Solid fertilizers – Determination of mineral – acid- soluble sulphate content- Gravimetric method
5	ISO 17319 , Fertilizers and soil conditioners – Determination of water-soluble potassium content – Potassium tetraphenylborate gravimetric method
6	ISO 5315 , Fertilizers – Determination of total nitrogen content – Titrimetric method after distillation
7	ISO 5314 , Fertilizers – Determination of ammoniacal nitrogen content – Titrimetric method after distillation
8	ISO 5316 , Fertilizers – Extraction of Water –Soluble Phosphate
9	ISO 18643 , Fertilizers and soil conditioners – Determination of biuret content of urea-based fertilizers – HPLC method
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11	ISO 2993 , Ammonium sulphate for industrial use – Determination of free acidity – Titrimetric method
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14	AOAC 937.02 , Magnesium (water-soluble) in fertilizers
15	AOAC 962.01 , Calcium and magnesium in liming materials – EDTA Titrimetric method
16	AOAC 972.02 , Manganese (acid-soluble) in fertilizers – Atomic absorption spectrophotometric method
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34	ISO 13903:2005 , Animal feeding stuffs – Determination of amino acids content
35	ISO 14718:1998 , Animal feeding stuffs – Determination of aflatoxin B1 content of mixed feeding stuffs – Method using high-performance liquid chromatography
36	ISO 17375:2006 , Animal feeding stuffs – Determination of aflatoxin B1
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44	ISO 21871 , Microbiology of food and animal feeding stuffs – Horizontal method for the determination of low numbers of presumptive <i>Bacillus cereus</i> – Most probable number technique and detection method
45	ISO 7889 , Yoghurt – Enumeration of characteristic microorganisms – Colony count technique at 37 degrees C
46	ISO 14502-1 , Determination of substances characteristic of green and black tea – Part 1: Content of total polyphenols in tea – Colorimetric method using Folin-Ciocalteu reagent
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50	ISO 1573 , Tea – Determination of loss in mass at 103 °C
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54	ISO 1578 , Tea – Determination of alkalinity of water-soluble ash
55	ISO 7513 , Instant tea in solid form – Determination of moisture content (loss in mass at 103 degrees C)
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64	ISO 2825 , Spices and condiments – Preparation of ground sample for analysis
65	ISO 6571 , Spices and condiments - Determination of volatile oil content (hydrodistillation method)
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67	ISO 5522 , Fruits, vegetables and derived products – Determination of total sulphur dioxide content
68	AOAC 2001.13 , Determination of Vitamin A (Retinol) in food – Liquid Chromatography
69	AOAC 2004.05 , Total folates in cereal and cereal foods – Microbiological Assay-Trienzyme Procedure
70	AOAC 2011.14 , Calcium, Copper, Iron, Magnesium, Manganese, Potassium, Phosphorus, Sodium and Zinc in fortified food products. Microwave Digestion and Inductively Coupled Plasma – Optical Emission Spectrometry
71	AOAC 932.03 , Determination of Carbon dioxide (total) in self-rising flour
72	AOAC 944.02 , Official Method for Determination of Iron in flour. Spectrophotometric method
73	AOAC 953.17 , Thiamine (vitamin B1) in grain products. Fluorometric (rapid) method
74	AOAC 961.15 , Vitamin B6 (pyridoxine pyridoxal pyridoxamine) in food extracts. Microbiological method
75	AOAC 975.41 , Niacin and niacinamide in cereal products. Automated method
76	AOAC 946.04 , Official method for Phosphatase (residual) in ice cream and frozen desserts
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80	AOAC 999.10 , Determination of Lead, Cadmium, Zinc, Copper and Iron in foods Atomic absorption spectrometry after microwave digestion

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82	RS ISO/TR 24475: 2010 , Cosmetics – Good Manufacturing Practices – General training document
RSB/TC 50, Electrical energy, equipments and accessories	
83	IEC 61724-1:2017 , Photovoltaic system performance – Part 1: Monitoring
84	IEC/TS 61724-2:2016 , Photovoltaic system performance – Part 2: Capacity evaluation method
85	IEC/TS 61724-3:2016 , Photovoltaic system performance – Part 3: Energy evaluation method
86	IEC 62109-1:2010 , Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
87	IEC 62109-2:2011 , Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters

WITHDRAWN/REPLACING STANDARDS

SN	Withdrawn standards	Replaced by
FOOD AND AGRICULTURE		
1	RS 225: 2014 Post-harvest handling and storage (PHHS) of maize – Guidelines	RS 225: 2020 Post-harvest handling and storage (PHHS) of maize – Guidelines
2	RS 227:2014 ; Post-harvest handling and storage (PHHS) of wheat – Guidelines	RS 227:2020 ; Post-harvest handling and storage (PHHS) of wheat – Guidelines
3	RS 228: 2014 ; Post-harvest handling and storage (PHHS) of sorghum grains – Guidelines	RS 228:2020 ; Post-harvest handling and storage (PHHS) of sorghum grains – Guidelines
4	RS 264: 2014 ; Warehouse and warehousing for storage of bagged grains – Requirements	RS 264: 2020 ; Warehouse and warehousing for storage of bagged grains – Requirements
5	RS 226: 2014 ; Post-harvest handling and storage (PHHS) of dry beans – Guidelines	RS 226:2020 ; Post-harvest handling and storage (PHHS) of common beans – Guidelines
6	RS 229: 2014 ; Post Harvest Handling and Storage (PHHS) of dry soybean grains – Guidelines	RS 229:2020 ; Post Harvest Handling and Storage (PHHS) of soybean grains – Guidelines
7	RS 230: 2014 ; Post Harvest Handling and Storage (PHHS) of milled rice (oryza spp.) – Guidelines	RS 230:2020 ; Post Harvest Handling and Storage (PHHS) of rice (oryza spp.) – Guidelines
8	RS 231: 2014 ; Storage of grains and pulses – Practical recommendations	RS 231:2020 ; Storage of grains and pulses – Code of practice recommendations
9	RS 65-1: 2014 , Sugar confectionery – Part 1: High boiled sweets	RS EAS 350: 2015 , Hard boiled sweets – Specification
10	RS 48-1: 2014 , Fresh fin fish – Part 1: Fresh whole fish – Specification	RS EAS 827: 2016 , Fresh and frozen whole finfish – Specification
11	RS 48-2: 2014 , Fresh fin fish – Part 2: Fresh fish fillet – Specification	RS EAS 831: 2016 , Frozen fish fillets – Specification
12	RS 122: 2014 , Fruit squashes – Specification	RS EAS 77: 2019 , Fruit drink – Specification
13	RS 16: 2017 , Fruit based soft drink – Specification	

WITHDRAWN/REPLACING STANDARDS

SN	Withdrawn standards	Replaced by
14	RS 66: 2014 , Glucose syrup (Liquid glucose) – Specification	RS EAS 349: 2015 , Liquid glucose (glucose syrup) – Specification
15	CAC/RCP 3: 1969 , Code of hygienic practice for dried fruits	RS 207: 2014 , Code of hygienic practice for dried fruits
SERVICE		
16	RS IWA 2: 2007 ; Quality management systems – Guidelines for the application of ISO 9001: 2000 in education	No replacement
17	RS 258: 2014 ; Accommodation facilities – Sustainability management system – Requirements	RS ISO 21401: 2018 ; Tourism and related services – Sustainability management system for accommodation establishments – Requirements
18	RS 208-1: 2014 ; Business process outsourcing and off-shoring operations – Part 1: Outbound contact centre operations	RS 208-1 2020 ; Business process outsourcing and off-shoring operations – Part 1: Outbound contact centre operations
19	RS 220:2014 ; Travel and Tour Operators – Code of Practice	RS 220: 2020 ; Travel and Tour Operations – Code of Practice
20	ISO 50001: 2011 , Energy management systems – Requirements with guidance for use	ISO 50001: 2018 , Energy management systems – Requirements with guidance for use
21	ISO 55002: 2014 , Asset management – Management systems – Guidelines for the application of ISO 55001	ISO 55002: 2018 , Asset management – Management systems – Guidelines for the application of ISO 55001
22	RS ISO 18091: 2014 , Quality management systems – Guidelines for the application of ISO 9001: 2008 in local government	ISO 18091: 2019 , Quality management systems – Guidelines for the application of ISO 9001 in local government
23	RS ISO 20252: 2012 , Market, opinion and social research – Vocabulary and services requirements	ISO 20252: 2019 , Market, opinion and social research, including insights and data analytics – Vocabulary and services requirements
24	RS ISO 22301: 2012 , Societal Security – Business continuity management systems – Requirements	ISO 22301: 2019 , Security and resilience – Business continuity management systems – Requirements

WITHDRAWN/REPLACING STANDARDS

SN	Withdrawn standards	Replaced by
25	RS ISO/TS 10674: 2011 , Rating services – Assessment of creditworthiness of non-listed entities	No replacement
ENVIRONMENT		
26	RS 209: 2014 ; Waste within health care facilities – Handling and disposal – Code of practice	RS 209: 2020 ; Waste within health care facilities – Handling and disposal – Code of practice
27	RS 210: 2014 ; Safety procedures for the disposal of surplus pesticides and associated toxic waste – Code of practice	RS 210: 2020 ; Safety procedures for the disposal of surplus pesticides and associated toxic waste – Code of practice
28	RS ISO 1043-3: 1996 , Plastics – Symbols and abbreviated terms – Part 3: Plasticizers	RS ISO 1043-3: 2016 , Plastics – Symbols and abbreviated terms – Part 3: Plasticizers
29	RS ISO 14004: 2004 , Environmental management systems – General guidelines on principles, systems and supporting techniques	RS ISO 14004: 2016 , Environmental management systems – General guidelines on principles, systems and supporting techniques
30	RS ISO 14050: 2002 , Environmental management systems – Vocabularies	RS ISO 14050: 2009 , Environmental management systems – Vocabularies
31	RS ISO 7027: 1999 , Determination of turbidity – Part 1: Quantitative methods	RS ISO 7027-1: 2016 , Determination of turbidity – Part 1: Quantitative methods
32	RS ISO 7779: 2010 , Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment	RS ISO 7779: 2018 , Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment
CHEMISTRY		
33	RS 84-7: 2006 ; Oils for cosmetic industry – Part 7: Determination of refractive index	RS ISO 6320:2017 ; Animal and vegetable fats and oils – Determination of refractive index
34	RS 84-11: 2006 Oils for cosmetic industry – Part 11: Determination of iodine value	RS ISO 3961: 2018 Animal and vegetable fats and oils – Determination of iodine value
35	RS 84-12: 2006 ; Oils for cosmetic industry – Part 12: Determination of saponification value	RS ISO 3657: 2020 ; Animal and vegetable fats and oils – Determination of saponification value
36	RS 85: 2014 ; Hair oils – Specification	RS EAS 841: 2017 ; Hair oils – Specification

WITHDRAWN/REPLACING STANDARDS

SN	Withdrawn standards	Replaced by
37	RS 87: 2007 ; Methods of analysis for soaps – Specification	None
38	RS EAS 25:2000 ; School chalks – Specification	RS 409:2020 ; School chalks – Specification
39	RS EAS 906: 2019 ; Fertilizers – Triple Superphosphate – Specification	RS 72: 2016 ; Granulated Superphosphate fertilizers – Specification
40	RS ARS 502: 2018 ; Compound fertilizers – Specification	RS EAS 912: 2019 ; Fertilizers – Nitrogen, Phosphorus, Potassium (NPK) Compound – Specification
41	RS ARS 505: 2018 Ammonium sulphate (fertilizer grade) – Specification	RS EAS 911: 2019 Fertilizers – Ammonium sulphate (sulphate of ammonia) – Specification
42	RS ISO 16409: 2006 , Dentistry – Oral care products – Manual interdental brushes	ISO 16409: 2016 , Dentistry – Oral care products – Manual interdental brushes
43	RS ISO 2809: 1976 , Paints and varnishes – Determination of light fastness of paints for interior use	<p>-ISO 16474-1: 2013, Paints and varnishes – Methods of exposure to laboratory light sources – Part 1: General guidance</p> <p>-ISO 16474-2: 2013 Paints and varnishes – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps</p>
44	RS ISO 3248: 1998 , Paints and varnishes – Determination of the effect of heat	ISO 3248:2016 , Paints and varnishes – Determination of the effect of heat
45	RS ISO 3905: 1980 , Paints and varnishes – Determination of contrast ratio (opacity) of light coloured paints at a fixed spreading rate (using black and white charts)	ISO 6504-3: 2019 , Paints and varnishes – Determination of hiding power – Part 3: Determination of contrast ratio of light-coloured paints at a fixed spreading rate (Confirmed in 2015)
46	RS ISO 3906: 1980 , Paints and varnishes – Determination of contrast ratio (opacity) of light coloured paints at a fixed spreading rate (using polyester film)	

WITHDRAWN/REPLACING STANDARDS

SN	Withdrawn standards	Replaced by
47	RS ISO 7253: 1996 , Corrosion tests in artificial atmospheres – Salt spray tests	ISO 9227: 2017 , Corrosion tests in artificial atmospheres – Salt spray tests
ENGINEERING		
48	RS EAS 412 -1: 2019 Steel bars for reinforcement of concrete – Part 1: Plain bars	RS ISO 6935-1:2007 Steel for the reinforcement of concrete – Part 1: Plain bars
49	RS EAS 412 -2: 2019 ; Steel bars for reinforcement of concrete – Part 2: Ribbed bars	RS ISO 6935-2: 2019 Steel for the reinforcement of concrete – Part 2: Ribbed bars
50	RS ISO 4074: 2012 , Natural latex rubber condoms – Requirements and test methods	RS ISO 4074: 2015 , Natural rubber latex male condoms – Requirements and test methods
51	RS ISO 11601: 2008 , Firefighting – Wheeled fire extinguishers – Performance and construction	RS ISO 11601: 2017 , Firefighting – Wheeled fire extinguishers – Performance and construction
52	RS ISO 13943: 2008 , Fire safety – Vocabulary	RS ISO 13943: 2017 , Fire safety – Vocabulary
53	RS ISO 23932: 2009 , Fire safety engineering – General principles	RS ISO 23932-1: 2018 , Fire safety engineering – General principles – Part 1: General principles
54	RS ISO 7165: 2009 , Firefighting – Portable fire extinguishers – Performance and construction	RS ISO 7165: 2017 , Firefighting – Portable fire extinguishers – Performance and construction
55	RS ISO 7202: 2012 , Fire protection – Fire extinguishing media – Powder	RS ISO 7202: 2018 , Fire protection – Fire extinguishing media – Powder
56	RS ISO 11602-1: 2000 , Fire protection – Portable and wheeled fire extinguishers – Part 1: Selection and installation	RS ISO/TS 11602-1: 2010 , Fire protection – Portable and wheeled fire extinguishers – Part 1: Selection and installation
57	RS ISO 11602 -2: 2000 , Fire protection – Portable and wheeled fire extinguishers – Part 2: Inspection and maintenance	RS ISO/TS 11602-2: 2010 , Fire protection – Portable and wheeled fire extinguishers – Part 2: Inspection and maintenance
58	RS ISO 14520-1: 2006 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 1: General requirements	RS ISO 14520-1: 2015 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 1: General requirements



WITHDRAWN/REPLACING STANDARDS

SN	Withdrawn standards	Replaced by
59	RS ISO 14520-2:2006 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 2: CF3I extinguishant	No replacement
60	RS ISO 14520-5: 2006 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 5: FK-5-1-12 extinguishant	RS ISO 14520-5: 2019 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 5: FK-5-1-12 extinguishant
61	RS ISO 14520-6: 2006 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 6: HCFC Blend A extinguishant	No replacement
62	RS ISO 14520-8: 2006 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 8: HFC 125 extinguishant	RS ISO 14520-8: 2019 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 8: HFC 125 extinguishant
63	RS ISO 14520-9: 2006 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 9: HFC 227ea extinguishant	RS ISO 14520-9: 2019 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 9: HFC 227ea extinguishant
64	RS ISO 14520-10: 2005 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 10: HFC 23 extinguishant	RS ISO 14520-10: 2019 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 10: HFC 23 extinguishant
65	RS ISO 14520-11: 2005 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 11: HFC 236fa extinguishant	RS ISO 14520-11: 2016 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 11: HFC 236fa extinguishant
66	RS ISO 14520-12: 2005 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 12: IG-01 extinguishant	RS ISO 14520-12: 2015 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 12: IG-01 extinguishant
67	RS ISO 14520-13: 2005 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 13: IG-100 extinguishant	RS ISO 14520-13: 2015 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 13: IG-100 extinguishant
68	RS ISO 14520-14: 2005 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 14: IG-55 extinguishant	RS ISO 14520-14: 2015 , Gaseous fire-extinguishing systems – Physical properties and system design – Part 14: IG-55 extinguishant



CONTACT US

 @rwandastandards  Rwanda Standards Board

 info@rsb.gov.rw  www.rsb.gov.rw

 3250
