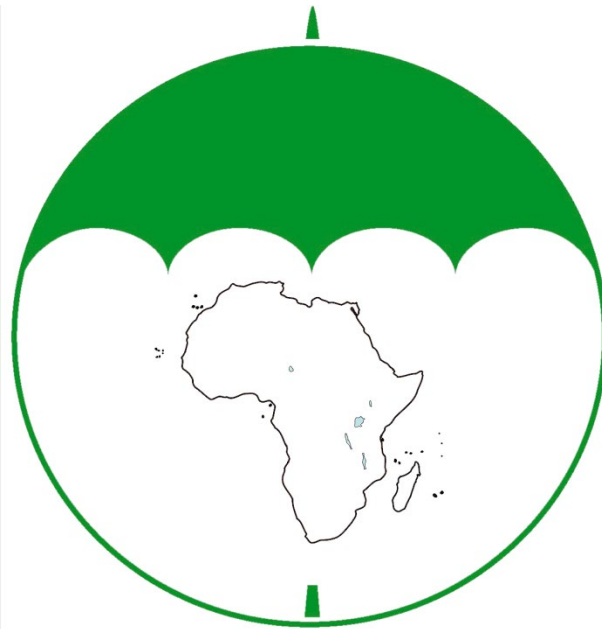


ARSO Standards Harmonization Technical Committees



ARSO Harmonization Sectors and Technical Committees: Numbers, Names and Scopes

**ARSO Central Secretariat
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ARSO Harmonization Sectors and Technical Committees: Numbers, Names and Scopes

(I) Basic and General Standards Sector

(1) ARSO/TC 01, Metrology

Scope

To develop and maintain standards and technical guides pertaining to the design, construction, performance testing, calibration, field response testing and safety considerations for measuring instruments and systems including the following areas:

- Electricity, magnetism, and electromagnetic metrology
- Mechanics, acoustics and dimensional metrology
- Thermodynamics, photometry, optics and photonics
- Dosimetry, radiometry and non-destructive measurements
- Chemical and biological metrology
- Instrumentation and calibration coordination

(II) Agriculture and Food Products Sector

(2) ARSO/TC 02, Apiculture and pollination services

Scope

Standardization of the processes and products in the apiculture industry in particular terminology, codes of practice, guidelines, beekeeping practices, pollination services, specifications, requirements for packaging, storage and transportation and methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 19, *Bee products*

Participating Member States: (1) Botswana; (2) Burkina Faso; (3) Cameroun; (4) Cote d'Ivoire; (5) Egypt; (6) Ethiopia; (8) Gabon; (9) Ghana; (10) Kenya; (11) Mauritius; (12) Nigeria; (13) Rwanda; (14) Senegal; (15) South Africa; (16) Sudan; (17) Tanzania; (18) Uganda; (19) Zambia; (20) Zimbabwe; (21) IGAD

Leadership

Chairperson: Tanzania (Dr. Mgina Clarence Anthon)

Secretary: Botswana

Key Information: First 13 standards harmonized in coordination with the African Union-InterAfrican Animal Resources Bureau (AU-IBAR)

(3) ARSO/TC 03, Fish, fisheries and aquaculture

Scope

Standardization in the field of fisheries and aquaculture including fish, shellfish and fresh, frozen (including quick-frozen) or otherwise processed fish products, in particular terminology, codes of practices, specifications, requirements for packaging, storage and transportation, methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 6, *Meat, poultry, fish, eggs and their products*
ISO/TC 234, *Fisheries and aquaculture*

Participating Member States

Leadership

Chairperson:

Secretary:

(4) ARSO/TC 04, Milk and milk products

Scope

Standardization of milk and milk products covering the dairy chain from primary production to consumption including terminology, specifications, guidelines, codes of practice, requirements for packaging, storage and transportation, methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 5, *Milk and milk products*
CCMMP, *Codex Committee on Milk and Milk Products*

Participating Member States

Leadership

Chairperson:

Secretary:

(5) ARSO/TC 05, Horticulture

Scope

Standardization of fruits, vegetables, tubers and processed products including nuts, in particular terminology, specifications, codes of practice, requirements for packaging, storage, transportation, methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 3, *Fruits and vegetables and their derived products*
CCFFV, *Codex Committee on Fresh Fruits and Vegetables*
CCPFV, *Codex Committee on Processed Fruits and Vegetables*

Participating Member States

Leadership

Chairperson:

Secretary:

(6) ARSO/TC 06, Coffee, cocoa, tea and related products

Scope

Elaboration of standards for coffee, cocoa, tea and similar products including terminology, specifications, codes of practice, materials, methods of test and sampling, labelling and packaging.

Equivalent Committees: ISO/TC 34/SC 8, Tea; ISO/TC 34/SC 15, Coffee; ISO/TC 34/SC 18, Cocoa
Codex Committee on Cocoa Products and Chocolate (CCCPC)

Participating Member States

(1) Algeria, (2) Botswana, (3) Cameroun, (4) Côte d'Ivoire, (5) DR Congo, (6) Egypt, (7) Ethiopia, (8) Gabon, (9) Ghana, (10) Kenya, (11) Liberia, (12) Nigeria, (13) Rwanda, (14) Senegal, (15) Sierra Leone, (16) Tanzania, (17) Togo, (18) Uganda, (19) Zimbabwe

Leadership

Co-Chairperson: Mr. Nanga Coulibaly, Cote D'Ivoire

Co-Chairperson: Mr. Maxwell Samuel Karikari Addo, Ghana

Co-Secretary: Mr. MacMillan Prentice, Ghana

Co-Secretary: Mr. Thierry Tape

Key Work Items

- (1) DARS 1000-1:2020, *Sustainable cocoa — Part 1: Requirements for cocoa farmer as entity, farmer group, cooperative — Management system and performance*
- (2) DARS 1000-2:2020, *Sustainable cocoa — Part 2: Requirements for cocoa quality and traceability*
- (3) DARS 1000-3:2020, *Sustainable Cocoa — Part 3: Requirements for Cocoa Certification Scheme*

Key Information

The initial work of the committee was supported by the Government of Ghana through the Ghana Cocoa Board and the Government of Cote D'Ivoire through le Conseil du Café-Cacao Côte d'Ivoire.

Since this was an urgent matter, the two governments have requested ARSO Secretariat to utilize the Fast-Tracking Procedure in the revised ASHAM.

(7) ARSO/TC 07, Meat, poultry, eggs and related products

Scope

Standardization for meat and meat products, eggs, poultry and game including packaged meat, eggs, and for processed poultry meat products in particular terminology, specifications, guidelines, codes of practice, requirements for packaging, storage and transportation, methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 6, *Meat, poultry, fish, eggs and their products*
CCMPH, *Codex Committee on Meat Hygiene*

Participating Member States: (1) Algeria; (2) Botswana; (3) Egypt; (4) Kenya; (5) Malawi; (6) Mauritius; (7) Morocco; (8) Niger; (9) Nigeria; (10) Rwanda; (11) Senegal; (12) Uganda; (13) Zanzibar; (14) Zimbabwe; (15) IGAD

Leadership

Chairperson:

Secretary:

Key Information: Currently supported by PTB on a three-year grant.

(8) ARSO/TC 08, Food additives

Scope

Standardization of maximum or guideline levels for individual food additives and functional classes in food and feed, in particular specifications of identity and purity for food additives, labelling of food additives, codes of practice, guidelines, methods of sampling and test.

Equivalent Committees: ISO/TC 34/WG 14, *Vitamins, carotenoids and other nutrients*
CCFA, *Codex Committee on Food Additives*

Participating Member States

Leadership

Chairperson:

Secretary:

(9) ARSO/TC 09, Spices, culinary herbs and condiments

Scope

Standardization of spices, culinary herbs and condiments, in particular terminology, specifications, codes of practice, requirements for packaging, storage and transportation, methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 7, *Spices, culinary herbs and condiments*
CCSCH, *Codex Committee on Spices and Culinary Herbs*

Participating Member States

Leadership

Chairperson:

Secretary:

(10) ARSO/TC 10, Food hygiene

Scope

Standardization in the field of food hygiene and safety management systems, covering the food and feed supply chain from primary production to consumption as well as animal and vegetable propagation materials. The standards may include terminology, codes of practice, guidelines and microbiological criteria.

Equivalent Committees: ISO/TC 34/SC 9, *Microbiology*
ISO/TC 34/SC 17, *Management systems for food safety*
CCFH, *Codex Committee on Food Hygiene*
ISO/TC 326, *Machinery intended for use with foodstuffs*
CEN/TC 429, *Food hygiene - Commercial warewashing machines - Hygiene requirements and testing*
CEN/SS C01, *Food Products*
CEN/TC 153, *Machinery intended for use with foodstuffs and feed*
CEN/TC 275, *Food analysis - Horizontal methods*
CEN/TC 460, *Food Authenticity*

Participating Member States

Leadership

Chairperson:

Secretary:

(11) ARSO/TC 11, Contaminants and toxins in foods and feeds

Scope

Standardization of maximum or guideline levels for contaminants (including environmental contaminants) and naturally occurring toxicants in food and feed (in cases where the contaminant in feed can be transferred to food of animal origin and can be relevant for public health), in particular specifications, codes of practice, guidelines, methods of sampling and test.

Equivalent Committees: ISO/TC 34/WG 20, *Aflatoxins*
CCCF, *Codex Committee on Contaminants in Foods*

Participating Member States

Leadership

Chairperson:

Secretary:

(12) ARSO/TC 12, Cereals, pulses and derived products

Scope

Standardization of cereals, pulses, legumes and their processed products including terminology, specifications, codes of practice, requirements for packaging, storage and transportation, methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 4, *Cereals and pulses*
CCCPL, *Codex Committee on Cereals, Pulses and Legumes*

Participating Member States

(1) Algeria; (2) Botswana; (3) Egypt; (4) Ghana; (5) Malawi; (6) Mauritius; (7) Rwanda; (8) South Sudan; (9) Tanzania; (10) Uganda; (11) Zanzibar

Leadership

Chairperson:

Secretary:

(13) ARSO/TC 13, Oilseeds, edible fats and oils

Scope

Standardization of oleaginous seeds and fruits, oilseed residues, edible fats and oils of animal, vegetable and marine origin including olive oil and blends of fats and oils and emulsions but not products originating from milk and milk products. The standards may include specifications, codes of practice, methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 2, *Oleaginous seeds and fruits and oilseed meals*
ISO/TC 34/SC 11, *Animal and vegetable fats and oils*
CCFO, *Codex Committee on Fats and Oils*
CEN/TC 307, *Oilseeds, vegetable and animal fats and oils and their by-products*
— *Methods of sampling and analysis*

Participating Member States

Leadership

Chairperson:

Secretary:

(14) ARSO/TC 14, Food packaging and labelling

Scope

Standardisation of packaging and labelling of foods including standards on migration from plastics, metal release, paper and board in contact with foodstuffs, reuse, recycling and disposal of materials related to food packaging. The standards may include terminology, codes of practices, specifications, classifications, guides, dimensions, marking, quality and performance requirements, test methods and impact of packaging and packaging materials on health and the environment (air, water, land, natural resources, flora, fauna and human and their interactions).

Equivalent Committees: ISO/TC 122, *Packaging*; CEN/TC 261, *Packaging*
ISO/TC 313, *Packaging machinery*; CEN/TC 146, *Packaging machines - Safety*
CCFL, *Codex Committee on Food Labelling*
CCFICS, *Codex Committee on Food Import and Export Inspection and Certification Systems*
CEN/SS T14, *Packaging*

Participating Member States

Leadership

Chairperson:

Secretary:

(15) ARSO/TC 15, Nutrition and foods for special dietary uses

Scope

Standardization of nutrition for all foods including foods for special dietary uses, in particular terminology, specifications, codes of practice, guidelines, requirements for packaging, storage and transportation, methods of sampling and test.

Equivalent Committees: ISO/TC 34/WG 23, *Food suitable for vegetarians/vegans*
ISO/TC 34/WG 25, *Food security in emergency or crisis situation*
CCNFSDU, *Codex Committee on Nutrition and Foods for Special Dietary Uses*
CEN/TC 453, *Dietary supplements and sports food free of doping substances*

Participating Member States

Leadership

Chairperson:

Secretary:

(16) ARSO/TC 16, Sugar, starch and confectionery

Scope

Standardization of sugar, starch and related confectionery products in terms of terminology, specifications, codes of practice, methods of sampling and test

Equivalent Committees: ISO/TC 93, *Starch (including derivatives and by-products)*;
CCS, Codex Committee on Sugars
CEN/SS C10, *Starch*

Participating Member States

Leadership

Chairperson:

Secretary:

(17) ARSO/TC 17, Animal feeding, feeds and feeding stuffs

Scope

Standardization of animal feeds, feeding stuffs and feeding including terminology, codes of practice, specifications of raw material & finished products, guidelines and requirements for packaging, storage and transportation, methods of sampling and test.

Equivalent Committees: ISO/TC 34/SC 10, *Animal feeding stuffs*
CEN/TC 327, *Animal feeding stuffs - Methods of sampling and analysis*

Participating Member States

Leadership

Chairperson:

Secretary:

(18) ARSO/TC 18, Alcoholic and non-alcoholic beverages

Scope

Standardization of alcoholic and non-alcoholic beverages of various kinds including drinking water, fruit and vegetables juices. Standards may include terminology, specifications, codes of practice, materials, methods of test and sampling, labelling and packaging.

Equivalent Committees:

Participating Member States

Leadership

Chairperson:

Secretary:

(19) ARSO/TC 19, Seed and propagation materials

Scope

Standardization of seeds and propagation materials, in particular terminology, specifications, purity, codes of practice, guidelines, methods of sampling and test.

Participating Member States

Leadership

Chairperson:

Secretary:

(20) ARSO/TC 20, Tobacco and similar products

Scope

Standardization of terminology and test methods for unmanufactured tobacco, all types of tobacco products, materials used for manufacturing tobacco products and tobacco smoke including environmental tobacco smoke aspects; specifications and questions of handling, storage, packaging and transport are included as appropriate.

Standardization of production, postharvest handling, storage and transport of tobacco, in particular terminology, guidelines, codes of practice, specification, methods of sampling and test.

Equivalent Committees: ISO/TC 126, *Tobacco and tobacco products*

Participating Member States

Leadership

Chairperson:

Secretary:

(21) ARSO/TC 21, Pesticide residues

Scope

Standardization of maximum or guideline levels for individual pesticide in food and feed, codes of practice, guidelines, methods of sampling and test.

Equivalent Committees: CCPR, *Codex Committee on Pesticide Residues*

Participating Member States

Leadership

Chairperson:

Secretary:

(22) ARSO/TC 22, Agrochemicals

Scope

Standardization in the fields of agrochemicals including terminology, classification, characteristics, specifications and test and performance methods for pesticides and aerosols; fertilizers and soil conditioners; soil improvers and growing media and related products.

Equivalent Committees: ISO/TC 81, *Common names for pesticides and other agrochemicals*
ISO/TC 134, *Fertilizers, soil conditioners and beneficial substances*
CEN/TC 223, *Soil improvers and growing media*
CEN/TC 260, *Fertilizers and liming materials*
CEN/TC 455, *Plant Biostimulants*

Participating Member States

Leadership

Chairperson:

Secretary:

(23) ARSO/TC 23, Live animals

Scope

Standardization in the field of live animals related to terrestrial and aquatic animals in relation to species-specific rearing techniques, productivity, health, safety, husbandry, welfare, housing, identity, traceability, transportation, grading, and livestock sourcing.

Equivalent Committees: ISO/TC 34/WG 16, *Animal welfare*

Participating Member States: (1) Algeria; (2) Botswana; (3) Kenya; (4) Malawi; (5) Mauritius; (6) Morocco; (7) Niger; (8) Nigeria; (9) Rwanda; (10) Senegal; (11) Uganda; (12) Zimbabwe; (13) IGAD

Leadership

Chairperson:

Secretary:

65) ARSO/TC 63, Drinking water supply and sanitation systems

Scope

Standardization of the management concepts for service activities relating to drinking water supply, wastewater and stormwater systems. This structure includes activities necessary to fulfil the objectives of water supply, wastewater and stormwater systems. Water supply for purposes other than drinking water can be included in this management concept structure.

Equivalent Committees: ISO/TC 147, *Water quality*
ISO/TC 224, *Service activities relating to drinking water supply, wastewater and stormwater systems*
ISO/TC 282, *Water reuse*
CEN/TC 164, *Water supply*
CEN/TC 230, *Water analysis*

Participating Member States

Leadership

Chairperson:

Secretary:

(24) ARSO/TC 79, Veterinary drugs

Scope

Standardization of maximum or guideline levels for individual veterinary drugs residues in food and feed, codes of practice, guidelines, methods of sampling and test.

Equivalent Committees: CCRVDF, *Codex Committee on Residues of Veterinary Drugs in Foods*

Participating Member States

Leadership

Chairperson:

Secretary:

(25) ARSO/TC 83, Agriculture and biotechnology

Scope

Standardization in the field of agricultural biotechnology including methods of production, processing, distribution and marketing of crops, animals and their products derived from biotechnological processes and other nonconventional techniques. The standards may include terminology, codes of practice, good agriculture practice, organic agriculture, guidelines, sustainability criteria, labelling, methods of sampling and test.

Equivalent Committees: ISO/TC 276, *Biotechnology*
ISO/TC 34/SC 16, *Horizontal methods for molecular biomarker analysis*

Participating Member States

Leadership

Chairperson:

Secretary:

(III) Building and Civil Engineering Sector

(26) ARSO/TC 24, Wood and timber products

Scope

Standardization of round, sawn and processed timber, and timber materials in and for use in all applications, panels such as fibreboards, particle boards and plywood based on lignocellulosic materials (derived from wood or other materials) including terminology, classification, dimensions, test methods and quality requirements, wood and wood-based industries, including but not limited to sustainability and renewability aspects, chain of custody, timber tracking and timber measurement, across the entire supply chain from biomass production to the finished wood and wood-based products, structural applications of timber, wood-based panels, other wood based products, and related lignocellulosic fibrous materials including:

- requirements for design;
- structural properties, performance, and design values of materials, products, components, and assemblies and;
- test methods and requirements to establish related structural, mechanical and physical properties and performance.

Equivalent Committees: ISO/TC 89, *Wood-based panels*

ISO/TC 165, *Timber structures*; ISO/TC 218, *Timber*

ISO/TC 287, *Sustainable processes for wood and wood-based products*

ISO/TC 296, *Bamboo and rattan*

CEN/TC 175, *Round and sawn timber*; CEN/TC 124, *Timber structures*

CEN/TC 142, *Woodworking machines – Safety*; CEN/TC 112, *Wood-based panels*; CEN/TC 38, *Durability of wood and wood-based products*

Participating Member States

Leadership

Chairperson:

Secretary:

(27) ARSO/TC 25, Flooring, roofing and wall finishing

Scope

Standardization in the field of flooring, roofing and wall finishing as well as terminology.

ARSO/TC 25/SC 1, Roof covering products

Scope

Standardization in the area of general and specific requirements and test methods for roof covering products for discontinuous laying and products for wall cladding.

The essential characteristics for wall coverings include:

- Reaction to fire (only for coverings intended for uses on walls subject to reaction to fire regulations);
- Release of formaldehyde (where relevant, according to material);
- Release of pentachlorophenol (where relevant, according to material);
- Release of other dangerous substances;
- Susceptibility to the growth of harmful micro-organisms;
- Water vapour permeability (only for coverings intended for use on walls subject to water vapour control requirements);
- Water permeability (only for coverings intended for use on walls subject to water penetration requirements)

- Thermal resistance (only for coverings intended for use on walls subject to thermal insulation requirements).

Roof covering, floor coverings and wall cladding products are used worldwide to cover roofs, floors and external walls of all types of buildings. Some of the products are used internally as well.

The various materials used include natural raw materials, like clay, natural slate and stone, combined materials like concrete, ceramics, fibre-cement and bituminous products, metals, metal faced insulated sandwich panels and plastics.

The shapes in which they are used include:

- small elements: tiles and their fittings, shingles, sidings, slates
- large elements: flat, profiled and corrugated sheets, sandwich panels, flexible sheets for waterproofing and
- accessories for inclined roofs: rooflights, roof access, roof ladders, eaves gutters and downpipes.

ARSO/TC 25/SC2, Doors, windows, shutters, building hardware and curtain walling

Scope

Standardization of performance requirements, terminology, manufacturing sizes and dimensions, and methods of test for:

- windows including roof windows;
- doors, internal and external doorsets;
- shutters, external and internal blinds and shutters;
- building hardware, as emergency exit devices, controlled door closing devices, cylinders for locks, locks and latches, padlocks and padlock fittings;
- industrial, commercial and garage doors and gates;
- curtain walling.

The standardization covers:

- Wood and other lignocellulosic material based doors, windows and shutters
- Metal doors, windows and shutters
- Plastic doors, windows and shutters

Equivalent Committees: ISO/TC 162, *Doors, windows and curtain walling*; ISO/TC 219, *Floor coverings*
CEN/TC 33, *Doors, windows, shutters, building hardware and curtain walling*
CEN/TC 99, *Wallcoverings*; CEN/TC 128, *Roof covering products for discontinuous laying and products for wall cladding*
CEN/TC 134, *Resilient, textile and laminate floor coverings*
CEN/TC 254, *Flexible sheets for waterproofing*
CEN/TC 361, *Polymer modified bituminous thick coatings for waterproofing - Definitions/requirements and test methods*

Participating Member States

Leadership

Chairperson:

Secretary:

(28) ARSO/TC 26, Built environment

Scope

Standardization in the field of building and civil engineering, covering:

- (a) General rules for the performance requirements for buildings and building elements including the coordination of these with performance requirements of building components to be used in building and civil engineering;
- (b) Common rules for the assessment of the environmental performance of new and existing buildings within the framework of integrated performance of buildings

- (c) Construction management, (including safety in construction)
- (d) Prevention of crime by urban planning and building design to ensure “a secure and safe town free, as far as possible, from crime, delinquency and aggression”
- (e) Building automation, controls and building management
- (f) Building environment design, thermal performance and energy use in the built environment
- (g) Fire protection and fire fighting
- (h) Fire safety (i) fire containment, (ii) Integration of fire resistance tests and calculations with fire safety engineering, (iii) Fire threat to people and environment, (iv) Fire hazard testing for electrotechnical products
- (i) Building and structural codes
- (j) Lifts, escalators and moving walks
- (k) Bases for design of structures

Equivalent Committees: ISO/TC 59, *Buildings and civil engineering works*; ISO/TC 92, *Fire safety*
 ISO/TC 98, *Bases for design of structures*
 ISO/TC 163, *Thermal performance and energy use in the built environment*
 ISO/TC 178, *Lifts, escalators and moving walks*; ISO/TC 182, *Geotechnics*
 ISO/TC 195, *Building construction machinery and equipment*
 ISO/TC 205, *Building environment design*
 CEN/TC 325, *Crime prevention through building, facility and area design*
 CEN/TC 350, *Sustainability of construction works*
 CEN/TC 371, *Energy Performance of Buildings project group*
 CEN/TC 156, *Ventilation for buildings*
 CEN/TC 151, *Construction equipment and building material machines - Safety*
 CEN/TC 126, *Acoustic properties of building elements and of buildings*
 CEN/TC 127, *Fire safety in buildings*
 CEN/TC 89, *Thermal performance of buildings and building components*
 CEN/TC 442, *Building Information Modelling (BIM)*

Participating Member States

Leadership

Chairperson:

Secretary:

(29) ARSO/TC 27, Pipes and ducting systems

Scope

- (a) Standardization of requirements and test methods for geometrical, chemical, physical and other characteristics of components, joints and systems.
- (b) Standardization of pipes, fittings, valves and auxiliary equipments intended for the transport of fluids and made from all types of plastic materials, including all types of reinforced plastics.
- (c) Metal fittings used with plastics pipes are also included.

This standardization includes: for pipes, flanges, fittings, valves and auxiliary equipments — dimensions and their tolerances; requirements for chemical, mechanical and physical properties and appropriate test methods; requirements and test methods for other properties relevant to particular applications; temperature and pressure ratings.

Equivalent Committees: ISO/TC 5, *Ferrous metal pipes and metallic fittings*
 ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*
 CEN/TC 107, *Prefabricated district heating and district cooling pipe system*
 CEN/TC 155, *Plastics piping systems and ducting systems*
 CEN/TC 203, *Cast iron pipes, fittings and their joints*
 CEN/TC 208, *Elastomeric seals for joints in pipework and pipelines*
 CEN/TC 267, *Industrial piping and pipelines*

Participating Member States

Leadership

Chairperson:

Secretary:

(30) ARSO/TC 28, Drainage engineering

(a) Wastewater and drainage

To harmonize standards related to:

- (i) the performance and installation in the field of waste water engineering for systems and components,
- (ii) components of discharge pipes, drain and sewer pipes, pipelines, separators etc.
- (iii) design, calculation, construction, commissioning, operation and maintenance in the field of waste water engineering from the point of view of origin including surface water runoff up to the point of disposal, treatment plants, rivers, lakes or seas.
- (iv) Storm water management
- (v) Waste collection and disposal management

(b) Sanitary appliances and fittings

The TC will elaborate a set of African Standards in the sanitary appliances sector, irrespective of the material of which they are made, including aspects relating to mechanical performances, hygiene, dimensions, specifications and test methods.

Equivalent Committees: CEN/TC 165, *Waste water engineering*
ISO/TC 224, *Service activities relating to drinking water supply, wastewater and stormwater systems*

Participating Member States

Leadership

Chairperson:

Secretary:

(31) ARSO/TC 29, Road, rail, air and water transport infrastructure

Scope

Standardization of:

- (a) the road systems, road and bridge design and construction, road maintenance, road materials and equipment
- (b) all systems, products and services specifically related to the railway sector, including design, manufacture, construction, operation, and maintenance of parts and equipment, methods and technology, interfaces between infrastructure, vehicles and the environment, including those electrotechnical and electronic products and services.
- (d) design, construction, structural elements, outfitting parts, equipment, methods and technology, and marine environmental matters, used in shipbuilding and the operation of ships, comprising sea-going ships, vessels for inland navigation, offshore structures, ship-to-shore interface and all other marine structures subject to IMO requirements.
- (e) materials, components and equipment for construction and operation of aircraft and space vehicles as well as equipment used in the servicing and maintenance of these vehicles.

Equivalent Committees: ISO/TC 241, *Road traffic safety management systems*
CEN/WS SUSTINROADS, *Sustainability assessment of roads*
CEN/TC 226, *Road equipment*; CEN/TC 227, *Road materials*
CEN/TC 336, *Bituminous binders*;
CEN/TC 337, *Road operation equipment and products*

Participating Member States

Leadership
Chairperson:
Secretary:

(32) ARSO/TC 30, Building and construction materials

Scope

Standardization in the field of building and construction materials including:

- (a) Concrete, reinforced concrete and pre-stressed concrete
- (b) Cement, building limes and clay products
- (c) Stones and aggregates
- (d) Products in fibre reinforced cement
- (e) Fibre-concrete and cement matrix products
- (f) Refractory products and materials
- (g) Masonry and gypsum units and related products
- (h) Glass in building
- (i) Steel and aluminium products

Equivalent Committees: ISO/TC 74, *Cement and lime*
ISO/TC 77, *Products in fibre reinforced cement*
ISO/TC 160, *Glass in building*
ISO/TC 327, *Natural stones*
ISO/TC 328, *Engineered stones*
CEN/TC 51, *Cement and building limes*
CEN/TC 125, *Masonry*
CEN/TC 187, *Refractory products and materials*
CEN/TC JWG 229/246, *Agglomerated stones*
CEN/TC 349, *Sealants for joints in building construction*
CEN/TC 351, *Construction Products - Assessment of release of dangerous substances*

Participating Member States

Leadership
Chairperson:
Secretary:

(IV) Mechanical Engineering & Metallurgy Sector

(33) ARSO/TC 31, Farm implements and machinery for agriculture and forestry

Scope

(a) Tractors, trailers and machinery for agriculture and forestry

Standardization of tractors, machines, systems, implements and their equipment used in agriculture and forestry as well as gardening, landscaping, irrigation and other related areas in which such equipment is used, including electronic/electrical aspects and electronic identification as well as electronic identification of all categories of animals. Typical areas include:

- (i) Common tests
- (ii) Safety and comfort
- (iii) Tractors
- (iv) Equipment for crop protection
- (v) Equipment for harvesting and conservation
- (vi) Powered lawn and garden equipment
- (vii) Operator controls, operator symbols and other displays, operator manuals
- (viii) Machinery for forestry
- (ix) Manually portable forest machinery
- (x) Irrigation and drainage equipment and systems
- (xi) Agricultural electronics

- (b) Semi-powered farm implements and equipment
- (c) Animal drawn farm implements and equipment
- (d) Hand farm implements and equipment
- (e) Agricultural structures and management systems
Elaboration of standard specifications, codes of practice, specifications, methods of test and sampling of farm structures for animals, grain storage, farm produce/input storage and related uses and farm management systems taking into account environmental factors and sustainable agricultural practices.

Equivalent Committees: ISO/TC 23, *Tractors and machinery for agriculture and forestry*
CEN/TC 144, *Tractors and machinery for agriculture and forestry*
CEN/TC 334, *Irrigation techniques*

Participating Member States

Leadership

Chairperson:

Secretary:

(34) ARSO/TC 32, Household and commercial hardware, appliances and equipment

Scope

Standardization in the field of household and commercial hardware, appliances and equipment including ceramics, metalware, glassware and plastics used in cooking, serving, transport, storage and packaging.

Equivalent Committees: ISO/TC 166, *Ceramic ware, glassware and glass ceramic ware in contact with food*; ISO/TC 186, *Cutlery and table and decorative metal hollow-ware*
ISO/TC 291, *Domestic gas cooking appliances*
CEN/TC 299, *Gas-fired sorption appliances, indirect fired sorption appliances, gas-fired endothermic engine heat pumps and domestic gas-fired washing and drying appliances*; CEN/TC 426, *Domestic appliances used for water treatment not connected to water supply*; CEN/TC 163, *Sanitary appliances*
CEN/TC 44, *Commercial and Professional Refrigerating Appliances and Systems, Performance and Energy Consumption*
CEN/TC 49, *Gas cooking appliances*
CEN/TC 58, *Safety and control devices for burners and appliances burning gaseous or liquid fuels*
CEN/TC 181, *Appliances and leisure vehicle installations using liquefied petroleum gas and appliances using natural gas for outdoor use*
CEN/TC 281, *Appliances, solid fuels and firelighters for barbecuing*
CEN/TC 295, *Residential solid fuel burning appliances*
CEN/TC 106, *Large kitchen appliances using gaseous fuels*

Participating Member States

Leadership

Chairperson:

Secretary:

(35) ARSO/TC 33, Manufacturing and light engineering

Scope

Standardization with respect to the following subject areas:

- Industrial and production automation systems and robotics
- Consumer products and allied equipment
- Metal forming machines
- General engineering and fasteners
- Fluid power systems
- Machine tools, machine tool elements and holding devices
- Hand tools

- Transmission devices
- Cutting tools

Equivalent Committees: ISO/TC 29, *Small tools*; ISO/TC 39, *Machine tools*
 ISO/TC 44, *Welding and allied processes*
 CEN/TC 143, *Machine tools – Safety*; CEN/SS I09, *Small tools*
 CEN/TC 255, *Hand-held, non-electric power tools - Safety*
 ISO/TC 118, *Compressors and pneumatic tools, machines and equipment*
 ISO/TC 14, *Shafts for machinery and accessories*
 CEN/TC 198, *Printing and paper machinery - Safety*
 CEN/TC 202, *Foundry machinery*; CEN/TC 438, *Additive Manufacturing*

Participating Member States

Leadership

Chairperson:

Secretary:

(36) ARSO/TC 34, Iron, steel and other metals

Scope

Standardization in the field of iron, steel, aluminium, magnesium, titanium and their alloys and products (other than structural sections) including their chemical/instrumental analysis

Equivalent Committees: ISO/TC 25, *Cast irons and pig irons*
 ISO/TC 26, *Copper and copper alloys*
 ISO/TC 102, *Iron ore and direct reduced iron*
 ISO/TC 167, *Steel and aluminium structures*
 ISO/TC 183, *Copper, lead, zinc and nickel ores and concentrates*
 ISO/TC 226, *Materials for the production of primary aluminium*
 CEN/TC 132, *Aluminium and aluminium alloys*
 CEN/TC 133, *Copper and copper alloys*
 CEN/TC 135, *Execution of steel structures and aluminium structures*
 CEN/TC 459, *ECISS - European Committee for Iron and Steel Standardization*
 ISO/TC 18, *Zinc and zinc alloys*
 ISO/TC 17, *Steel*
 ISO/TC 105, *Steel wire ropes*
 ISO/TC 111, *Round steel link chains, chain slings, components and accessories*
 CEN/TC 344, *Steel static storage systems*

Participating Member States

Leadership

Chairperson:

Secretary:

(V) Chemistry & Chemical Engineering Sector

(37) ARSO/TC 35, Surface active agents

Scope

Standardization of classification, terminology, specifications, codes of practice, methods of sampling and test, performance methods for surface active agents.

Equivalent Committees: ISO/TC 91, *Surface active agents*; CEN/TC 276, *Surface active agents*
 CEN/TC 328, *Standard measuring system for cleaning performance*

Participating Member States

Leadership

Chairperson:

Secretary:

(38) ARSO/TC 36, Paper and paper products

Scope

Standardization of terminology, specifications, methods of sampling and test, codes of practice and packaging for paper and paper products.

Equivalent Committees: ISO/TC 6, *Paper, board and pulps*
CEN/TC 172, *Pulp, paper and board*
CEN/WS 096, *Mapping of future needs of standardisation in the paper and board sector*

Participating Member States

Leadership

Chairperson:

Secretary:

(39) ARSO/TC 37, Petroleum and petrochemical products

Scope

Standardization for petroleum and petrochemical products in particular terminology, classification, methods of sampling and test, specifications, codes of practice and storage and transportation.

Equivalent Committees: ISO/TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*
CEN/TC 19, *Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin*
CEN/TC 23, *Transportable gas cylinders*
CEN/TC 286, *Liquefied petroleum gas equipment and accessories*

Participating Member States

Leadership

Chairperson:

Secretary:

(40) ARSO/TC 38, Organic and inorganic chemicals

Scope

Standardization of terminology, classification, methods of sampling and test, codes of practice, packaging and storage and transportation for organic and inorganic chemical.

Equivalent Committees: ISO/TC 47, *Chemistry*; ISO/TC 48, *Laboratory equipment*
ISO/TC 189, *Ceramic tile*; ISO/TC 206, *Fine ceramics*
ISO/TC 264, *Fireworks*; CEN/TC 67, *Ceramic tiles*
CEN/TC 184, *Advanced technical ceramics*; CEN/TC 193, *Adhesives*
CEN/TC 212, *Pyrotechnic articles*; CEN/TC 332, *Laboratory equipment*
CEN/TC 369, *Candle fire safety*; CEN/SS C20, *Explosives and firework*

Participating Member States

Leadership

Chairperson:

Secretary:

(41) ARSO/TC 39, Paints, varnishes and related products

Scope

Standardization of terminology, methods of sampling and tests, codes of practice, performance methods and specifications on paints, varnishes and related products.

Equivalent Committees: ISO/TC 35, *Paints and varnishes*
ISO/TC 107, *Metallic and other inorganic coatings*
CEN/TC 139, *Paints and varnishes*

Participating Member States

Leadership
Chairperson:
Secretary:

(42) ARSO/TC 40, *Cosmetics and personal care products*

Scope

Standardization of cosmetics and personal care products, in particularly terminology, classification, characteristics, specifications and methods of sampling and test.

Equivalent Committees: ISO/TC 217, *Cosmetics*; CEN/TC 392, *Cosmetics*
ISO/TC 106/SC 7, *Oral care products*

Participating Member States

Leadership
Chairperson:
Secretary:

(43) ARSO/TC 41, *Plastics and rubber products*

Scope

Standardization of nomenclature, methods of sampling and test, specifications and codes of practices for plastics and rubber products.

Equivalent Committees: ISO/TC 61, *Plastics*; ISO/TC 45, *Rubber and rubber products*
ISO/TC 270, *Plastics and rubber machines*
CEN/TC 218, *Rubber and plastics hoses and hose assemblies*
CEN/TC 249, *Plastics*

Participating Member States

Leadership
Chairperson:
Secretary:

(44) ARSO/TC 42, *Industrial and medical gases*

Scope

Standardization in the fields of terminology, classification, characteristics, specifications, methods of sampling and test, performance methods and storage and transportation for industrial and medical gases.

Equivalent Committees: ISO/TC 142, *Cleaning equipment for air and other gases*
ISO/TC 158, *Analysis of gases*
CEN/TC 238, *Test gases, test pressures, appliance categories and gas appliance types*

Participating Member States

Leadership
Chairperson:
Secretary:

(45) ARSO/TC 43, Scholastic materials

Scope

Standardization of terminology, classification, characteristics, specifications, methods of sampling and test, codes of practice, packaging and performance methods for scholastic materials.

Equivalent Committees: ISO/TC 10, *Technical product documentation*
ISO/TC 42, *Photography*

Participating Member States

Leadership

Chairperson:

Secretary:

(46) ARSO/TC 44, Toys, sports and leisure equipment

Scope

Standardization of terminology, classification, characteristics, specifications, methods of sampling and test, codes of practice, packaging and performance methods for toys, sports and leisure equipment.

Equivalent Committees: ISO/TC 83, *Sports and other recreational facilities and equipment*
ISO/TC 181, *Safety of toys*; CEN/TC 52, *Safety of toys*
CEN/TC 136, *Sports, playground and other recreational facilities and equipment*
CEN/TC 217, *Surfaces for sports areas*
ISO/TC 254, *Safety of amusement rides and amusement devices*

Participating Member States

Leadership

Chairperson:

Secretary:

(47) ARSO/TC 45, Foam products

Scope

Standardization of terminology, specifications, methods of sampling and test, codes of practice for foam products.

Equivalent Committees:

Participating Member States

Leadership

Chairperson:

Secretary:

(VI) Electrotechnology Sector

(48) ARSO/TC 46, Information technology

Scope

Standardization in the field of information technology.

Equivalent Committees: ISO/IEC JTC 1, *Information technology*

Participating Member States

Leadership

Chairperson:

Secretary:

(49) ARSO/TC 47, Small electrical power technologies

Scope

Standardization in the field of small electrical energy systems including technical and renewable energy systems.

Equivalent Committees: ISO/TC 180, *Solar energy*
ISO/TC 197, *Hydrogen technologies*
IEC/TC 21, *Secondary cells and batteries*
IEC/TC 82, *Solar photovoltaic energy systems*
IEC/TC 88, *Wind energy generation systems*
IEC/TC 105, *Fuel cell technologies*
IEC/TC 114, *Marine energy - Wave, tidal and other water current converters*
IEC/TC 117, *Solar thermal electric plants*
IEC/TC 120, *Electrical Energy Storage (EES) Systems*

Participating Member States

Leadership

Chairperson:

Secretary:

(50) ARSO/TC 48, Electrical installations, accessories and safety regulations

Scope

Basic and safety principles for man-machine interface, marking and identification — Standardization of general and safety application in the electrotechnical field concerning the man-machine interface, marking and identification in electrical installations and equipment

Electrical installations of ships and of mobile and fixed offshore units — **Standardization of** electrical installations and equipment of ships and of mobile and fixed offshore units

Electrical accessories — **Standardization of** electrical accessories for household and similar purposes

Industrial electroheating equipment — Standardization of all types of industrial electroheating equipment and its possible applications.

Equipment for explosive atmospheres — Standardization of equipment for use where there is a hazard due to the possible presence of explosive atmospheres of gases, vapours, mists or combustible dusts.

Electrical installations and protection against electric shock: Standards:

- concerning protection against electric shock arising from equipment, from installations and from systems without limit of voltage;
- for the design, erection and verification of all kind of electrical installations;

Degrees of protection provided by enclosures: Standards including appropriate test methods for degrees of protection provided by enclosures against ingress of solid foreign objects and water and against access to dangerous parts.

Short-circuit currents: Standardised procedures for the calculation of short-circuit currents, and the thermal and mechanical effects.

Live working: Standards for tools, equipment and devices for utilization in Live Working, including their performance requirements, care and maintenance.

Lightning protection: Standards and guides for lightning protection for structures and buildings, as well for persons, installations, services and contents.

Equivalent Committees:

Participating Member States

Leadership

Chairperson:

Secretary:

Key Work Items

Key Information

(51) ARSO/TC 49, Electrical cables, overhead conductors and overhead lines

Scope

Electric cables — **Standardization of the** design, testing and end-use recommendations (including current ratings) for insulated electrical power and control cables, their accessories and cable systems, for use in wiring and in power generation, distribution and transmission.

Overhead electrical conductors — Specifications and guidance for fabrication and utilization of overhead electrical conductors, including:

- Types of overhead ground wires,
- All shapes of round and non-round wires,
- Hardware directly connected to conductor for the purpose of maintaining electrical/mechanical continuity,
- Conductors made of various metals such as aluminium, steel, copper, etc. and their combinations.

Overhead lines — **Standardization in the field of** overhead lines above 1 kV nominal voltage.

Winding wires — **Standardization in the field of** wires for electrical winding, irrespective of conductor material, shape, size, or type of covering

Equivalent Committees:

Participating Member States

Leadership

Chairperson:

Secretary:

(52) ARSO/TC 50, Electrical machines and equipment

Scope

To prepare standards regarding specifications for rotating electrical machines without limitations of voltage, output or dimensions.

Equivalent Committees:

Participating Member States

Leadership

Chairperson:

Secretary:

(53) ARSO/TC 51, Switchgear, controlgear, transmission and distribution equipment

Scope

Fluids for electrotechnical applications: Standardization in the field of liquid and gaseous dielectrics.

Power transformers: Standardization in the field of power transformers, on-load tap-changers and reactors above 1 kVA single phase and 5 kVA polyphase.

Solid electrical insulating materials: Standards including specifications for solid electrical insulating materials alone and in simple combinations. This includes coatings which are applied in the liquid state but cure to solids, such as varnishes and coatings.

Switchgear and controlgear: Standards regarding specifications for circuit-breakers, switches, contactors, starters, disconnectors, busbars and any switchgear assemblies, with the exception of those for domestic and similar use.

Fuses: Standards regarding specifications for all types of fuses, with the object of determining:

Power capacitors: Standards for power capacitors.

Surge arresters: Standards regarding: Specifications for surge arresters and other surge protective devices (SPDs) for a.c. and d.c. systems.

Safety of machinery — Electrotechnical aspects —

- Standardization in the field of electrotechnical equipment and systems of machinery (including a group of machines working together in a coordinated manner, excluding higher level system aspects) not portable by hand while working.;
- Standardization of electrotechnical equipment and systems relating to the protection of persons from specific machinery hazards especially with regard to AC/37/2006 Product and safety committees,

Insulators — Standardisation of insulators for high voltage systems and equipment including bushings, insulators for overhead lines and substations and their couplings.

Transformers, reactors, power supply units and similar products for low voltage up to 1100 V — Standardisation in the field of safety and EMC of transformers, reactors, power supply units, and similar products for low voltages up to 1100 V and a rated frequency up to 100 MHz.

In particular transformers and power supply units intended to allow the application of protective measures against electric shock as defined by TC 64 “Electrical installations in buildings”. The maximum rated output voltage depends on the type of transformers, but does in most cases not exceed AC 1100 V, and the rated output is limited as follows:

Transformers

- The maximum rated output depends on the type of transformers but does not in most cases exceed 25 kVA for single-phase transformers and 40 kVA for polyphase transformers.

Power supply units

- The maximum rated output is 1 kVA.

Reactors

- The maximum rated output is 2 kVAR for single-phase reactors and 10 kVAR for polyphase reactors.

Special transformers, reactors and power supply units

- There is no limitation of rated output.

System engineering and erection of electrical power installations in systems with nominal voltages above 1kV a.c. and 1.5kV d.c., particularly concerning safety aspects — Standardisation of common rules for system engineering and erection of electrical power installations with nominal voltages above 1 kV a.c and 1.5 kV d.c. for power generation, transmission, distribution, for industrial and consumer premises, with particular consideration of safety aspects in both indoor and outdoor situations.

Equivalent Committees:

Participating Member States

Leadership

Chairperson:

Secretary:

(54) ARSO/TC 52, Lamps, related accessories and illumination engineering

Scope

Standardization in the field of lamps and related accessories

Electrical installations for lighting and beaconing of aerodromes — Standardization of the design, installation, operation and maintenance of aeronautical ground lighting of aerodromes.

Equivalent Committees:

Participating Member States

Leadership

Chairperson:

Secretary:

(VII) Textiles and Leather Sector

(55) ARSO/TC 53, Textiles, textile products and accessories

Scope

Standardization for textiles, textile products and accessories in particularly terminology, classification, characteristics, specifications, methods of sampling and test, performance methods and codes of practice.

Equivalent Committees: ISO/TC 38, *Textiles*
ISO/TC 72, *Textile machinery and accessories*
ISO/TC 133, *Clothing sizing systems - size designation, size measurement methods and digital fittings*
ISO/TC 148, *Sewing machines*
CEN/TC 214, *Textile machinery and accessories*
CEN/TC 248, *Textiles and textile products*

Participating Member States

Leadership

Chairperson:

Secretary:

(56) ARSO/TC 54, Leather, leather products and accessories

Scope

Standardization of terminology, classification, characteristics, specifications, methods of sampling and test, performance methods and codes of practice for Leather, leather products and accessories.

Equivalent Committees: ISO/TC 120, *Leather*; CEN/TC 289, *Leather*

Participating Member States

Leadership

Chairperson:

Secretary:

(57) ARSO/TC 55, Footwear and accessories

Scope

Standardization of terminology, classification, characteristics, specifications, methods of sampling and test, performance methods and codes of practice for Footwear and accessories.

Equivalent Committees: ISO/TC 137, *Footwear sizing designations and marking systems*
ISO/TC 216, *Footwear*;
CEN/TC 161, *Foot and leg protectors*
CEN/TC 309, *Footwear*

Participating Member States

Leadership

Chairperson:

Secretary:

(VIII) Transport and Communication Sector

(58) ARSO/TC 56, Transport services

Scope

Standardization in the field of transport services including the following aspects:

(a) Road-traffic safety management system

(b) Intelligent transport systems: standardization of information, communication and control systems in the field of urban and rural surface transportation, including intermodal and multimodal aspects, traveller information, traffic management, public transport, commercial transport, emergency services and commercial services

Equivalent Committees: ISO/TC 204, *Intelligent transport systems*
ISO/TC 241, *Road traffic safety management systems*
CEN/TC 278, *Intelligent transport systems*
CEN/TC 320, *Transport - Logistics and services*

Participating Member States

Leadership

Chairperson:

Secretary:

(59) ARSO/TC 57, Transportation of dangerous goods

Scope

Elaboration of standards for:

- The identification and classification of dangerous goods for transport
- Transport of dangerous goods — Operational requirements for road vehicles
- Emergency information systems
- Globally Harmonized System of classification and labelling of chemicals (GHS)
- The classification and labelling of dangerous substances and preparations for sale and handling
- Safety data sheet for chemical products
- Technical regulations regarding transportation, handling, packaging, classification and labelling of dangerous/hazardous goods

Equivalent Committees: CEN/TC 296, *Tanks for the transport of dangerous goods*

Participating Member States

Leadership
Chairperson:
Secretary:

(60) ARSO/TC 58, Packaging and freight containers

Scope

Standardization in the field of packaging and freight containers covering:

- (a) Pallets for unit load method of materials handling:** pallets in general use in the form of platforms or trays on which goods may be packed to form unit loads for handling by mechanical devices.
- (b) Packaging and packaging codes:** terminology, dimensions, capacities, marking, test methods, performance requirements, codes and environmental aspects in the field of packaging and unit loads. The field covers primary, secondary and transport packaging and unit loads, whatever the materials, shapes, contents, distribution system adopted”.
- (c) Bar coding** — Standardization of bar code symbologies, of data element architecture therefore, of the necessary test specifications and of technical features for the harmonization of cross-sector applications. Establishment of an appropriate system of registration authorities, and of means to ensure the necessary maintenance of standards.
- (d) Tanks, containers and vessels**

Equivalent Committees: ISO/TC 51, *Pallets for unit load method of materials handling*
ISO/TC 104, *Freight containers*

Participating Member States

Leadership
Chairperson:
Secretary:

(61) ARSO/TC 59, Automotive technology and engineering

Scope

All questions of standardization concerning compatibility, interchangeability and safety, with particular reference to terminology and test procedures (including the characteristics of instrumentation) for evaluating the performance of the following types of road vehicles and their equipment and accessories (tyres, rims, valves,) as defined in the relevant items of Article 1 of the convention on Road Traffic, Vienna in 1968 concluded under the auspices of the United Nations:

- mopeds (item m);
- motor cycles (item n);
- motor vehicles (item p);
- trailers (item q);
- semi-trailers (item r);
- light trailers (item s);
- combination vehicles (item t);
- articulated vehicles (item u).
- caravans
- electric and/or hybrid vehicles
- autonomous vehicles and vehicles with alternative propulsion technologies

Equivalent Committees: ISO/TC 22, *Road vehicles*
ISO/TC 31, *Tyres, rims and valves*
ISO/TC 149, *Cycles*
ECE/TRANS/WP.29: *World Forum for Harmonization of Vehicle Regulations*
(WP.29)

Structure of Committee

The Committee works with the following ad hoc working groups with the view to making them durable Working Groups:

Working Group on Fuels and Emissions
Working Group on New Automotive Technologies
Working Group on Vehicle Homologation Standards
Working Group on Components (Safety glazing, tyres, towing devices, number plates...etc.)
Working Group on Roadworthiness, Inspection and Testing Facilities

Participating Member States

(1) DR Congo, (2) Egypt, (3) Ghana, (4) Kenya, (4) Madagascar, (5) Malawi, (6) Mauritius, (7) Namibia, (8) Nigeria, (9) Rwanda, (10) Seychelles, (11) Sierra Leone, (12) South Africa, (13) Tanzania, (14) Zambia, (14) Zanzibar, (15) Zimbabwe, (16) COMESA, (17) EAC, (18) SADC, (19) TTTFP

Leadership

Chairperson: Eng. Carey Francis Mbaraka, Kenya
Secretary: Betty Nkatha, Kenya

Key Information

The work of ARSO/TC 59 is currently supported by funding from the African Export-Import Bank (Afreximbank)

(62) ARSO/TC 60, Ships and boats

Scope

Standardization of design, construction, training, structural elements, outfitting parts, equipment, methods and technology, and marine environmental matters, used in shipbuilding, comprising sea-going ships, vessels for inland navigation, offshore structures, ship-to-shore interface, the operation of ships, marine structures subject to IMO requirements, and the observation and exploration of the sea.

Equivalent Committees: ISO/TC 8, *Ships and marine technology*

Participating Member States

Leadership

Chairperson:
Secretary:

(IX) Environmental Management Sector

(63) ARSO/TC 61, Eco-labelling, sustainability and resilient systems

Scope

Standardization in the field of communication on environmental, social and economic sustainability aspects of products, i.e. goods and services, including the related programmes and verification procedures.

Equivalent Committees: ISO/TC 207/SC 3, *Environmental labelling*

Participating Member States

Leadership

Chairperson:
Secretary:

(64) ARSO/TC 62, Societal security (disaster and emergence management)

Scope

Standardization in the field of security to enhance the safety and resilience of society. Aspects covered include: Terminology; Continuity and organizational resilience; Emergency management; Authenticity, integrity and trust for products and documents; Community resilience; Protective security

Equivalent Committees: ISO/TC 292, *Security and resilience*

Participating Member States

Leadership

Chairperson:

Secretary:

(66) ARSO/TC 64, Environmental protection

Scope

Standardization in the field of environmental protection including, but not limited to the assessment and/or management of the environmental and human health impacts of new and existing substances such as products of biotechnology, marine pollution, disposal at sea, vehicle, engine and equipment emissions, fuels, hazardous wastes, environmental emergencies, and other sources of pollution. Standards include:

- (i) Terminology, methods of sampling and analysis of ambient air and industrial emission, water, sewage, industrial effluents and waste water
- (ii) Guidelines for control of pollution of air at source, water and treatment and disposal of industrial effluents
- (iii) Characterization of wastes, sludges, water quality for industrial and agricultural purposes, soil quality, wastewater engineering, hazardous waste management, guidelines, codes of practice for waste management
- (iv) machines, equipment and management systems for collection, temporary storage and transportation of solid and sanitary liquid waste and recyclables (valuables). (ISO/TC 297)

Equivalent Committees: ISO/TC 297, *Waste collection and transportation management*
CEN/TC 183, *Waste management*
CEN/SS S27, *Waste - Characterization, treatment and streams*
ISO/TC 190, *Soil quality*

Participating Member States

Leadership

Chairperson:

Secretary:

(67) ARSO/TC 65, Occupational health and safety

Scope

Standardization in the field of environment to health and safety with particular relevance to the following aspects:

- Personal protective equipment: performance-based standards in all areas of users' personal safety including eye protection, headgear, footwear, hearing protection, respiratory protective devices, protective clothing including hand and arm protection and lifejackets, protection against falls from heights.
- Workplace health and safety: Covering the following aspects among others: acoustics and noise abatement, assessment of exposure to chemical and biological agents at the workplace
- Cleanrooms and associated controlled environments: Standards for equipment, facilities, and operational methods for cleanrooms and associated controlled environments.

Equivalent Committees: ISO/TC 283, *Occupational health and safety management*

Participating Member States

Leadership

Chairperson:

Secretary:

(68) ARSO/TC 66, Air quality and emissions

Scope

Standardization of tools for air quality characterisation of emissions, workplace air, ambient air, indoor air, in particular measurement methods for air pollutants (particles, gases, odours, micro-organisms) and for meteorological parameters, measurement planning, procedures for Quality Assurance/Quality Control (QA/QC) and methods for the evaluation of results including the determination of uncertainty.

Equivalent Committees: ISO/TC 146, *Air quality*

CEN/TC 264, *Air quality*

CEN/SS S08, *Air quality*

CEN/TC 421, *Emission safety of combustible air fresheners*

Participating Member States

Leadership

Chairperson:

Secretary:

(X) Energy and Natural Resources Sector

(69) ARSO/TC 67, Equipment for petroleum, petrochemical and natural gas systems

Scope

Standardization in the field of:

- design and manufacture of LPG pressure vessels (tanks and cylinders),
- design and manufacture of accessories (valves, gauges, fittings) for LPG pressure vessels (tanks and cylinders),
- operational requirements for LPG tanks used for road and rail transport (including equipping, requalification, filling and discharge procedures),
- automotive LPG tanks, equipment, installations and filling systems,
- operational requirements for transportable cylinders (including filling procedures, periodic inspection),
- operational requirements for static tanks (including equipping, periodic inspection and requalification).
- gas pressure regulators and associated safety devices for use in gas transmission and distribution
- installation and equipment for LNG
- gas supply systems
- non-industrial manually operated shut-off valves for gas and particular combinations valves for other products
- gas meters
- petroleum and petroleum products industry and handling equipment
- Extraction and processing of petroleum and natural gas
- Petroleum products and natural gas handling equipment

Equivalent Committees: ISO/TC 67, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*

ISO/TC 161, *Controls and protective devices for gas and/or oil*

ISO/TC 193, *Natural gas*

CEN/TC 12, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*

CEN/TC 234, *Gas infrastructure*

CEN/TC 236, *Non industrial manually operated shut-off valves for gas and particular combinations valves-other products*

CEN/TC 282, *Installation and equipment for LNG*

Participating Member States

Leadership

Chairperson:

Secretary:

(70) ARSO/TC 68, Bioenergy and biogas

Biogas

Standardization in the field of biogas produced by anaerobic digestion, gasification from biomass and power to gas from biomass sources including the following aspects:

1. Domestic biogas systems
2. Domestic biogas installations (household and small farm scale)
3. Institutional/community/commercial biogas systems
4. Dedicated systems for electricity generation
5. Flares for biogas plants
6. Safety and environmental aspects
7. Biomass gasification
8. Purpose made systems for transport biofuel production

In order to effectively cover the technology, it is proposed to develop standards that cover the following aspects:

1. Terms, definitions and classification scheme for the production, conditioning and utilization of biogas
2. System design, construction, operation, maintenance and decommissioning
3. Systems safety
4. System components
5. Biogas appliances
6. Biogas upgrades
7. Biogas power generation equipment
8. Biogas energy crops
9. Test methods and equipment
10. Systems life-cycle analysis and sustainability criteria

Bioenergy: The committee shall prepare and maintain standards and other deliverables namely Technical Specifications (TS), Technical Reports (TR) and Publicly Available Specifications (PAS) for bioenergy including the following aspects: Terminology, consistency of evaluation methods and other cross-cutting issues; GHG emission balance, fossil fuel balance, and respective calculations, using a life-cycle approach; Biodiversity and environmental aspects; Economic and social aspects; Bioenergy and food security; Verification and auditing, Direct and Indirect effects; Sustainability principles, criteria and indicators and relevant guidelines.

Solid biofuels: Standardization of terminology, specifications and classes, quality assurance, sampling and sample preparation and test methods in the field of raw and processed materials originating from arboriculture, agriculture, aquaculture, horticulture and forestry to be used as a source for solid biofuels

Cookstoves and clean cooking solutions: Standardization in the field of cookstoves and clean cooking solutions.

Equivalent Committees: ISO/TC 193, *Natural gas*

ISO/TC 238, *Solid biofuels*

ISO/TC 255, *Biogas*

ISO/TC 285, *Clean cookstoves and clean cooking solutions*

ISO/TC 300, *Solid Recovered Fuels*

CEN/TC 343, *Solid Recovered Fuels*

CEN/TC 408, *Natural gas and biomethane for use in transport and biomethane for injection in the natural gas grid*

CEN/TC 441, *Fuel labelling*

CEN/SS N21, *Gaseous fuels and combustible gas*

Participating Member States

Leadership

Chairperson:

Secretary:

(71) ARSO/TC 69, Mining and mineral beneficiation

Scope

Standardization of:

- specifications relating to specialized mining machinery and equipment used in opencast mines (e.g. conveyors, high wall miners, rock drill rigs and continuous surface miners) and all underground mining machinery and equipment for the extraction of solid mineral substances [e.g. road headers, continuous miners, rock drill rigs, raise boring machines, high wall miners, LHDs, mining auger boring machines, RMDSs (rapid mine development systems)]
- recommended practice in the presentation of plans and drawings used in mine surveying
- methods of calculation of mineral reserves
- mine closure and reclamation management
- design of structures for mining industry.
- special refuge/rescue chambers
- shaft boring machines.
- Classification of mine accidents
- Advanced automated mining systems

Equivalent Committees: ISO/TC 82, *Mining*
CEN/TC 196, *Mining machinery and equipment - Safety*

Participating Member States

Leadership

Chairperson:

Secretary:

(72) ARSO/TC 70, Solar thermal systems and equipment

Scope

Standardization in the field of solar energy utilization in space and water heating, cooling, industrial process heating and air conditioning, drying and cooking.

Equivalent Committees: ISO/TC 180, *Solar energy*
CEN/TC 312, *Thermal solar systems and components*

Participating Member States

Leadership

Chairperson:

Secretary:

(73) ARSO/TC 71, Energy management and energy efficiency

Scope

Standardization in the field of energy management and energy savings

- Energy management
- Data for energy management systems
- Methodological framework of calculation and reporting on energy savings
- Energy savings in regions
- Economics and financial evaluation

- Energy savings evaluators
- Evaluation of energy savings of thermal power plant
- Multiple Organizations EnMS

Equivalent Committees: ISO/TC 163, *Thermal performance and energy use in the built environment*
 ISO/TC 301, *Energy management and energy savings*
 CEN/TC 371, *Energy Performance of Buildings project group*

Participating Member States

Leadership

Chairperson:

Secretary:

(XI) Management and Quality Sector

(74) ARSO/TC 81, Quality management and quality assurance

Scope

Standardization in the field of quality management (generic quality management systems and supporting technologies), as well as quality management standardization in specific sectors at the request of the affected sector.

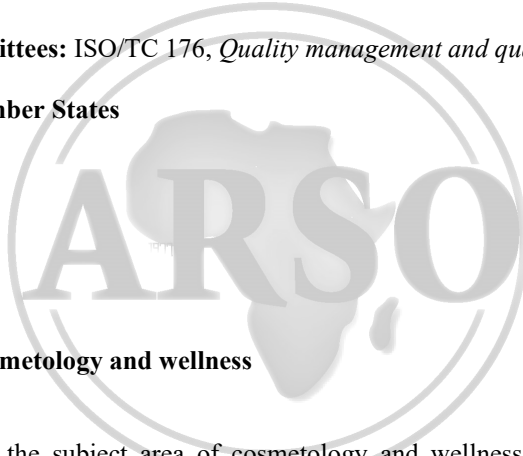
Equivalent Committees: ISO/TC 176, *Quality management and quality assurance*

Participating Member States

Leadership

Chairperson:

Secretary:



(XII) Services Sector

(75) ARSO/TC 72, Cosmetology and wellness

Scope

Standardization in the subject area of cosmetology and wellness services and products including the following: (a) Barbering; (b) Haircare; (c) Skin Care; (d) Nail Care; (e) Massage Therapy; (f) Reflexology; (g) Aromatherapy; (h) Spa Therapies; (i) Hair Removal Techniques; (j) Body art and body piercing

Equivalent Committees: CEN/TC 402, *Domestic Pools and Spas*
 CEN/TC 403, *Aesthetic surgery and aesthetic non-surgical medical services*
 CEN/TC 409, *Beauty Salon Services*
 CEN/TC 435, *Tattooing services*

Participating Member States

Leadership

Chairperson:

Secretary:

(76) ARSO/TC 73, Financial services

Scope

Standardization in the field of banking, securities, grants and other financial services including:

- Financial Services, security
- Grant financing
- Reference data for financial services
- Information exchange for financial services

- Sustainable finance: Standardization in the field of sustainable finance for the integration of sustainability considerations and environmental, social and governance (ESG) practices into institutional investment decision making and wider finance management.

Equivalent Committees: ISO/TC 68, *Financial services*

Participating Member States

Leadership

Chairperson:

Secretary:

(77) ARSO/TC 74, Healthcare Services

Scope

Standardization in the field of healthcare organization management including: classification, terminology, nomenclature, informatics, management practices and metrics that comprise the non-clinical operations in healthcare entities.

Equivalent Committees: ISO/TC 215, *Health informatics*
 ISO/TC 304, *Healthcare organization management*
 CEN/TC 362, *Healthcare services - Quality management systems*
 CEN/WS 068, *Quality criteria for health checks*

Participating Member States

Leadership

Chairperson:

Secretary:

(78) ARSO/TC 75, Building and construction services

Scope

Standardization in the field of buildings and civil engineering works, of:

- general terminology;
- organization of information in the processes of design, manufacture and construction;
- general geometric requirements for buildings, building elements and components including modular coordination and its basic principles, general rules for joints, tolerances and fits, performance and test standards for sealants;
- general rules for other performance requirements, including functional and user requirements related to service life, sustainability, accessibility and usability;
- general rules and guidelines for addressing the economic, environmental and social impacts and aspects related to sustainable development;
- geometric and performance requirements for components;
- procurement processes, methods and procedures.

Equivalent Committees: ISO/TC 59, *Buildings and civil engineering works*
 CEN/TC 247, *Building Automation, Controls and Building Management*

Participating Member States

Leadership

Chairperson:

Secretary:

(79) ARSO/TC 76, Tourism and related services

Scope

Standardization of the terminology and specifications of the services offered by tourism service providers, including related activities, touristic destinations and the requirements of facilities and equipment used by

them, to provide tourism buyers, providers and consumers with criteria for making informed decisions. Aspects covered include: Health tourism services; Adventure tourism; Yacht harbors; Bare boat charter services; Sustainable tourism; Accessible tourism; Accommodation; Restaurants

Equivalent Committees: ISO/TC 228, *Tourism and related services*
CEN/TC 329, *Tourism services*

Participating Member States

Leadership

Chairperson:

Secretary:

(80) ARSO/TC 77, Creative economy

Scope

Standardization in the field of the creative economy which includes the following industries that originate from creativity or accumulation of culture which through the formation and application of intellectual properties, possess potential capacities to create wealth and job opportunities, enhance the citizens' capacity for arts, and elevate the citizens' living environment: (a) visual art industry, (b) music and performance art industry, (c) cultural assets application and exhibition and performance facility industry, (d) handicrafts industry, (e) film industry, (f) radio and television broadcast industry, (g) publication industry, (h) advertisement industry, (i) product design industry, (j) visual communication design industry, (k) designer fashion industry, (l) architecture design industry, (m) digital content industry, (n) creativity living industry, (o) popular music and cultural content industry, (p) other emerging industries designated as such.

Equivalent Committees: CEN/TC 433, *Entertainment Technology - Machinery, equipment and installations*

Participating Member States

Leadership

Chairperson:

Secretary:

(81) ARSO/PC 01, Research Management

Scope

Standardization of Good Research Management Practice (GRMP) in the African research ecosystem.

Equivalent Committee: ISO/TC 171, *Document management applications*
ISO/TC 225, *Market, opinion and social research*

Participating Member States

(1) Algeria, (2) Botswana, (3) Ethiopia, (4) Malawi, (5) South Africa, (6) Tanzania, (7) Tunisia, (8) Uganda, (9) Zambia, (10) Zimbabwe

Leadership

Chairperson: To be determined

Secretary: To be determined

Key Work Items

Good Research Management Practice (GRMP) Standard

Key Information

This harmonization work will be conducted with sponsorship and funding by the African Academy of Sciences (AAS) which had previously supported the harmonization of **ARS 1651:2018, *Good Financial Grant Practice — Requirements***

(XIII) Traditional and Complimentary Medicine Sector

(82) ARSO/TC 82, African traditional medicine

Scope

Standardization in the field of African traditional medicine systems with focus on: terminology and documentation; quality and safety of raw materials; manufactured products; medical devices and equipment; monographs of medicinal plants; sustainable collection and cultivation practices; treatments procedures and codes of practice.

Equivalent Committee: ISO/TC 249, *Traditional Chinese Medicine*

Structure of Committee:

ARSO/TC 82 has the following Working Groups:

- Working Group 1: Terminology and documentation
- Working Group 2: Cultivation, collection, quality and safety of raw materials
- Working Group 3: Quality, safety and efficacy of manufactured ATM products
- Working Group 4: Medical devices and equipment
- Working Group 5: Monographs
- Working Group 6: Treatment procedures and codes of practise

Participating Member States

(1) Botswana, (2) Burkina Faso, (3) DR Congo, (4) Egypt, (5) Ethiopia, (6) Gabon, (7) Ghana, (8) Kenya, (9) Mauritius, (10) Nigeria, (11) Rwanda, (12) Sénégal, (13) Seychelles, (14) South Africa, (15) Sudan, (16) Tanzania, (17) Zambia and (18) Zimbabwe

Leadership

Chairperson: Majorie Lorraine Amanda Gcabashe, South Africa

Secretary: Rahba Saeid Abdalla Mohamed, Sudan

Co-Secretary: Udosu Uduak Eyakeno

Key Information

The African Export-Import Bank (Afreximbank) and the International Islamic Trade Finance Corporation (ITFC), have partnered with the African Organisation for Standardisation (ARSO), to launch a new Arab-Africa Trade Bridges Program (AATB) initiative called the *Harmonisation of Standards for Pharmaceutical and Medical Devices in Africa*, aimed at promoting quality and safety of medicines and medical devices imported or produced on the continent.

(XIV) Healthcare Technology

(83) ARSO/TC 78, Medical devices and equipment

Scope

Standardization in the following fields:

- Assistive products for persons with disability
- Electrical equipment in medical practice
- Transfusion, infusion and injection equipment for medical and pharmaceutical use

- Devices for administration of medicinal products and intravascular catheters
- Dentistry and oral hygiene products
- Anaesthetic and respiratory equipment
- Implants for surgery
- Prosthetic and orthotics
- Surgical instruments
- Mechanical contraceptives
- Quality management and corresponding general aspects for medical devices

Equivalent Committee: ISO/TC 76, *Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use*
 ISO/TC 84, *Devices for administration of medicinal products and catheters*
 ISO/TC 94, *Personal safety -- Personal protective equipment*
 ISO/TC 106, *Dentistry*
 ISO/TC 121, *Anaesthetic and respiratory equipment*
 ISO/TC 150, *Implants for surgery*
 ISO/TC 168, *Prosthetics and orthotics*
 ISO/TC 170, *Surgical instruments*
 ISO/TC 173, *Assistive products*
 ISO/TC 210, *Quality management and corresponding general aspects for medical devices*
 CEN/TC 293, *Assistive products and accessibility*
 CEN/TC 205, *Non-active medical devices*
 CEN/TC 79, *Respiratory protective devices*
 CEN/TC 85, *Eye protective equipment*
 CEN/TC 215, *Respiratory and anaesthetic equipment*

Structure of Committee

This is a new ARSO Technical Committee. The members will determine if they need the committee to be structured into subcommittees or working groups.

Participating Member States

(1) Algeria, (2) Botswana, (3) DR Congo, (4) Egypt, (5) Kenya, (6) Malawi, (7) Mauritius, (8) Niger, (9) Nigeria, (10) Rwanda, (11) South Africa, (12) Togo, (13) Uganda, (14) Zimbabwe

Leadership

Chairperson: Professor Chomora Mikeka, Malawi

Secretary: Gunseyo Dzinjalama, Malawi

Key Information

The work of ARSO/TC 78 is currently supported by the African Export-Import Bank (Afreximbank) and the International Islamic Trade Finance Corporation (ITFC) through the Arab-Africa Trade Bridges Program (AATB) under the *Harmonisation of Standards for Pharmaceutical and Medical Devices in Africa Project*, aimed at promoting quality and safety of medicines and medical devices imported or produced on the continent.

(84) ARSO/TC 80, Pharmaceuticals and medicinal products

Scope

Elaboration of standards, specifications, codes of practice, methods of test and sampling for pharmaceuticals and medicinal products.

Detailed work areas

Sterilization and disinfection

- Sterilization and disinfection in general (Including sterilization methods, air quality of surgery rooms, etc.)
- Sterilizing equipment
- Disinfectants and antiseptics — Including indicators — Chemicals for industrial and domestic disinfection purposes
- Sterilized packaging
- Other standards related to sterilization and disinfection

Laboratory medicine

- Laboratory medicine in general
- Biological evaluation of medical devices
- Medical microbiology
- Clinical laboratory testing and in vitro diagnostic test systems
- Analysis of blood and urine including doping control

Pharmaceutics

- Pharmaceutics in general
- Medicaments (including medical prescriptions)
- Wound dressings and compresses
- Other standards related to pharmaceutics

Disinfectants and bleaches including (i) human hygiene biocidal products, (ii) instant sanitizers, (iii) private area and public health area disinfectants and other biocidal products, (iv) veterinary hygiene biocidal products, (v) food and feed area disinfectants. The standards for chemical disinfectants shall, in a sequential mode, to qualify products depending on: (1) their activity (fungicidal, bactericidal, mycobactericidal, sporicidal, virucidal), (2) their applications (human medicine, veterinary use, food hygiene and domestic and institutional use)

Equivalent Committee: ISO/TC 194, *Biological and clinical evaluation of medical devices*
 ISO/TC 198, *Sterilization of health care products*
 ISO/TC 212, *Clinical laboratory testing and in vitro diagnostic test systems*
 ISO/TC 330, *Surfaces with biocidal and antimicrobial properties*
 CEN/TC 102, *Sterilizers and associated equipment for processing of medical devices*
 CEN/TC 204, *Sterilization of medical devices*
 CEN/TC 216, *Chemical disinfectants and antiseptics*

Structure of Committee

This is a new ARSO Technical Committee. The members will determine if they need the committee to be structured into subcommittees or working groups.

Participating Member States

(1) Algeria, (2) Cameroon, (3) DR Congo, (4) Egypt, (5) Kenya, (6) Malawi, (7) Mauritius, (8) Niger, (9) Nigeria, (10) Rwanda, (11) South Africa, (12) Togo, (13) Uganda, (14) Zimbabwe

Leadership

Chairperson: Dr Baxter Kachingwe, Malawi

Secretary: Samson Magombo

Key Work Items

Key Information

The work of ARSO/TC 80 is currently supported by the African Export-Import Bank (Afreximbank) and the International Islamic Trade Finance Corporation (ITFC) through the Arab-Africa Trade Bridges Program

(AATB) under the *Harmonisation of Standards for Pharmaceutical and Medical Devices in Africa Project*, aimed at promoting quality and safety of medicines and medical devices imported or produced on the continent.

(XV) Household Goods and Services

