



Following the Sectoral Council on Trade Industry, Finance and Investment held on the 30th May 2014 at the EAC Secretariat Headquarters, 41 Final draft standards were approved and declared East African Standards. In addition 96 normatively referenced international standards were endorsed by SCTIFI for adoption by the EAC Partner States.

Members are urged to engage their National Standards bodies to adopt these East African standards within 6 months without deviation from the approved text of these standards and withdraw any existing national standards with similar scope and purpose as prescribed by the SQMT Act section 15(1). The International Standards will be adopted by each Partner State as per the ISO Procedures

1. FDEAS 799:2013, *Edible full fat soya flour – Specification*

Scope : This final draft East African Standard specifies requirements and methods of sampling and test for edible full fat soya flour for human consumption

2. FDEAS 800:2013 *Soya milk — Specification*

Scope: This final draft East African Standard specifies requirements and methods of sampling and test for soya milk intended for human consumption

3. FDEAS 801:2013, *Soya protein products – Specification*

Scope: This final draft East African Standard specifies requirements and methods of sampling and test for soya protein products intended for human consumption.

4. FDEAS 802:2013, *Textured Soya protein products – Specification*

Scope: This final draft East African Standard specifies requirements and methods of sampling and test for textured soya protein products intended for human consumption

5. FDEAS 412-1:2013, Steel bars for reinforcement of concrete — Part 1: Plain bars; 2nd Edition

Scope: This part of FDEAS 412 specifies technical requirements for plain bars to be used as reinforcement in concrete.

This part of FDEAS 412 covers nine steel grades not intended for welding (B240A-P, B240B-P, B240C-P, B240D-P, B300A-P, B300B-P, B300C-P, B300D-P and B420D-P), and one steel grade (B420DWP) intended for welding.). The production process is at the discretion of the manufacturer.

The requirement of this part of FDEAS 412 applies to straightened product and to plain bars supplied in coil form. The steel grades are designated with steel names allocated in accordance with ISO/TS 4949.

NOTE The first “B” stands for steel for reinforcing concrete. The next 3 digits represent the specified characteristic value of upper yield strength. The fifth letter stands for ductility class (4.4). The next symbol relates to welding; “-” means not intended for welding and “W” means intended for welding. The last “P” stands for plain bar.

This part of FDEAS 412 covers products delivered in straight lengths.

Plain bars produced from finished products, such as plates and railway rails, are excluded from this standard.

6. FDEAS 412-2:2013, Steel bars for reinforcement of concrete — Part 2: Ribbed bars; 2nd Edition

Scope: This part of FDEAS 412 specifies technical requirements for ribbed bars to be used as reinforcement in concrete.

This part of FDEAS 412 covers six steel grades not intended for welding (B400A-R, B400B-R, B400C-R, B500A-R, B500B-R and B500C-R), and nine steel grades (B400AWR, B400BWR, B400CWR, B400DWR, B420DWR, B500AWR, B500BWR, B500CWR and B500DWR) intended for welding

The steel grades are designated with steel names allocated in accordance with ISO/TS 4949.

NOTE The first “B” stands for steel for reinforcing concrete. The next 3 digits represent the specified characteristic value of upper yield strength. The fifth symbol stands for ductility class (4.5). The sixth symbol relates to welding; “-” means not intended for welding and “W” means intended for welding. The last “R” stands for ribbed bar.

This part of FDEAS 412 covers products delivered in straight lengths.

The production process is at the discretion of the manufacturer.

Ribbed bars produced from finished products, such as plates and railway rails, are excluded.

7. FDEAS 134:2013, Cold rolled steel sections — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the dimensions and sectional properties of cold rolled steel sections of thickness up to 8 mm for use in structural applications. The sections are listed in Tables 4 to 12.

8. FDEAS 108:2013, Steel sheet and strip, heavy thickness coils carbon, hot-rolled- Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies requirements for hot-rolled, heavy-thickness carbon steel sheets, coils and strips of commercial quality, drawing quality special killed, and structural quality.

9. FDEAS 196:2013, High-strength low-alloy Carbon Steel for hot-rolled sheet and cold-rolled sheet — Specifications; 2nd Edition

Scope

This Final Draft East African Standard specifies the requirements for steel sheet in coils and cut lengths. It applies to the carbon steel and high-strength, low-alloy steel (HSLA) supplied as hot-rolled sheet and cold-rolled sheet.

This Final Draft East African Standard is not applicable to hot-rolled, heavy-thickness carbon sheet coils.

In case of any conflict in requirements, the requirements of the individual material specification shall prevail over those of the general specification.

For the purposes of determining conformance with this specification and the various material specifications, values shall be rounded to the nearest unit in the right-hand place of figures used in expressing the limiting values.

10. FDEAS 468:2013, Pre-painted metal coated steel sheets and coils — Specification; 2nd Edition

Scope

This Final Draft East African Standard specifies requirements for the pre-painted hot-dip metal-coated steel sheets and coils for exterior use.

11.FDEAS 784:2013, Code of practice for Galvanized and aluminium zinc corrugated steel Sheet roofing and wall covering

Scope

This code of practice provides guidelines for the use of galvanized and aluminum zinc corrugated steel sheets for roofing and wall covering. Recommendations are given on materials and design, construction and maintenance, together with information on weather-tightness, durability, thermal insulation, fire hazard, rainwater drainage from roofs and other characteristics.

12.FDEAS 783:2013, Stainless Steel Tanks – Specification

Scope

This Final Draft East African Standard specifies material, dimensional, and constructional requirements for stainless steel tanks.

13.FDEAS 11:2013, Galvanized plain and corrugated steel sheets — Specification; 2nd Edition

Scope

This Final Draft East African Standard specifies requirements and methods of sampling and test for galvanized plain and corrugated steel sheets for roofing, cladding, fencing, fabrication and general use.

This Final Draft East African Standard does not cover special purpose profiles

14.FDEAS 61: 2014, Opaque beer — Specification 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of sampling and test for opaque beer. The standard does not cover stout beer.

15.FDEAS 63: 2014, Beer — Specification 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of sampling and test for beer.

16.FDEAS 104: 2014, Alcoholic beverages — Methods of sampling and test; 2nd Edition

Scope: This Final Draft East African Standard prescribes methods of sampling and test for alcoholic beverages.

17.FDEAS 109: 2014, Potable spirit — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies requirements and methods of sampling and test for potable spirits.

18.FDEAS 138: 2014, Still table wine — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of sampling and test for still table wine prepared from fruits.

19.FDEAS 139: 2014, Fortified wine — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of sampling and test for fortified wine.

20.FDEAS 140: 2014, Sparkling wine — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of sampling and test for sparkling wine.

21.FDEAS 141: 2014, Whisky — Specification ; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of sampling and test for whisky (whiskey).

22.FDEAS 142: 2014, Vodka — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of test and sampling for vodka.

23.FDEAS 143: 2014, Brandy — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and method of sampling and test for brandy.

24.FDEAS 144: 2014, Neutral spirit — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and method of sampling and test for neutral spirit intended for use in the manufacture or blending of alcoholic beverages.

25.FDEAS 145: 2014, Gin — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of sampling and test for gin.

26.FDEAS 146: 2014, Rum — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and methods of sampling and test for rum.

27.FDEAS 203:2014, Boxes for enclosure of electrical accessories — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies requirements and methods of test for boxes intended to contain one or more electrical accessories and to be recessed into a wall, ceiling or similar flat-surfaced structure.

28.FDEAS 205:2014, Controls for heating units in household electric ranges — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies the requirements and test methods for control units for household electric ranges. It applies to multi-heat switches, energy regulators and thermostats including those for ovens, hotplates and rotisseries.

29.FDEAS 168:2014, Junction boxes for use in electrical installations — Specification; 2nd Edition

Scope: This Final Draft East African Standard specifies requirements and methods of sampling and test for junction boxes of surface or flush mounting types for use in fixed wiring installations. This Final Draft East African Standard applies to junction boxes used in a.c. and d.c. circuits where the rated voltage does not exceed 250 V and where the conductors are not subject to mechanical tension in normal use. It covers junction boxes having fixed terminals with capacity for cable conductors up to 10 mm². It does not apply to junction boxes for use in conditions where special protection against the ingress of dust or moisture is required.

30.FDEAS 811-1: 2014, Code of practice for safety of electrical installations - Part 1: General

Scope: This part of FDEAS 811 specifies the terms and definitions, symbols and methods of earthing of electrical supply, communication facilities and associated equipment. It applies to all new and existing installations and extensions. This standard does not cover the earthed return of electric railways nor those lightning protection wires that are normally independent of supply or communication wires or equipment.

31.FDEAS 811-2:2014, Code of practice for safety of electrical installations - Part 2: Installation and maintenance of electric supply stations and equipment

Scope: This part of FDEAS 811 specifies the safety requirements for installations, operations and maintenance of electric supply stations. It also provides safety guidelines to personnel involved in electric supply stations and their associated structural arrangements that are accessible only to qualified personnel.

32. FDEAS 811-3:2014, Code of practice for safety of electrical installations -Part 3 :Installation and maintenance of overhead electric supply and communication lines

Scope: This part of FDEAS 811 specifies safety requirements for installation and maintenance of overhead electric supply and communication lines and their associated equipment. It prescribes the associated structural arrangements of such systems and the extension of such systems into buildings. It includes requirements for spacing, clearances, and strength of construction. This part of FDEAS 811 does not apply to installations in electric supply stations except as required by FDEAS 811-1.

33. FDEAS 811-4:2014, Code of practice for safety of electrical installations — Part 4: Installation and maintenance of underground electric supply and communication lines

Scope: This part of FDEAS 811 specifies safety requirements for the installation and maintenance of underground electric supply and communication lines. It prescribes the associated structural arrangements and the extension of such systems into buildings. It also covers the cables and equipment employed primarily for the utilization of electric power when such cables and equipment are used by the utility in the exercise of its function as a utility. This part does not apply for installations in electric supply stations.

34. FDEAS 811-5: 2014, Code of practice for safety of electrical installations — Part 5: Operation of electric supply lines, communication lines and equipment

Scope: This part of FDEAS 811 specifies the practical work requirements to be followed during installation, operation and maintenance of electric supply and communications lines and equipment as a means of safeguarding employees and the public from injury.

35. FDEAS 12:2014, Potable water — Specification (2nd edition)

Scope: This Final Draft East African Standard specifies requirements and methods of sampling and test for potable water (treated potable water and natural potable water).

36. FDEAS 13:2014, Packaged natural mineral water — Specification (2nd edition)

Scope: This Final Draft East African Standard specifies the requirements and methods of test for packaged natural mineral water offered for human consumption.

37. FDEAS 153:2014, Packaged drinking water — Specification (2nd edition)

Scope: This Final Draft East African Standard specifies requirements and method of sampling and test for packaged drinking water for direct consumption.

38. FDEAS 38:2013 Labeling of pre- packaged foods — Specification; 2nd Edition

Scope: This Final Draft East African Standard applies to the labeling of all prepackaged foods to be offered as such to the consumer or for catering purposes and to certain aspects relating to the presentation thereof.

39. FDEAS 803: 2013. Nutrition labeling – Requirements

Scope: This Final Draft East African Standard specifies requirements for the nutrition labeling of foods. The standard applies to the nutrition labeling of all foods except for foods for special dietary uses.

40. FDEAS 804:2013 Claims on foods – Requirements

Scope: This Final Draft East African Standard specifies general requirements for claims made on a food irrespective of whether or not the food is covered by an individual East African Standard.

41. FDEAS 805: 2013 Use of Nutrition and health claims – Requirements

Scope: This Final Draft East African Standard specifies requirements for the use of nutrition and health claims in food labeling and in advertising. This standard applies to all foods for which nutrition and health claims are made without prejudice to specific provisions under other standards or guidelines relating to foods for special dietary uses and foods for special medical purposes. These requirements for nutrition and health claims do not apply to foods for infants and young children.

EAST AFRICAN STANDARDS FOR WITHDRAWAL.

1. FDEAS 412-3:2013, Steel for Reinforcement of Concrete — Part 3: Welded Fabric

Scope: This part of FDEAS 412 specifies technical requirements for factory made sheets or rolls of welded fabric, manufactured from steel wires or bars with diameters from 4 mm to 16 mm and designed for the reinforcement of concrete structures and the ordinary reinforcement of pre-stressed concrete structures.

2. FDEAS 370, Test probes to verify protection by enclosure.

Scope: EAS 370:2005, *Test probes to verify protection by enclosure*

Specifies details and dimensions of test probes intended to verify the protection provided by enclosures with regard to: - protection of persons against access to hazardous parts inside the enclosure; - protection of the equipment inside the enclosure against ingress of solid foreign objects. This standard brings together in one publication object probes and access probes currently specified in other standards, together with any new probes. Has the status of a basic safety publication in accordance with IEC Guide 104.

This is technically equivalent to IEC 61032 recommended for endorsement

3. FDEAS 204-1:2013; Metallic conduits and fittings for electrical installations

— Specification: Part 1: Conduits

Scope: This Part 1 of this East African standard specifies requirements for conduits made of steel or any other suitable metallic materials of circular cross-section for the protection of the conductors and/or cables in electrical installations. This standard specifies requirements for threadable and non-threadable plain rigid metal conduits.

4. FDEAS 204-2:2013; Metallic conduits and fittings for electrical installation

— Specification - Part 2: Fittings

Scope: This Part 2 of this East African Standard specifies requirements for the construction, dimensions and performance of conduit fittings made of steel or any other suitable metallic materials and designed to be used in conjunction with conduits complying with part 1 of this standard.

LIST AND TITLES OF NORMATIVELY REFERENCED INTERNATIONAL STANDARDS FOR ENDORSEMENT

1. CODEX STAN 192, Codex general standard for food additives
2. ISO 1842, Fruit and vegetable products — Determination of pH
3. ISO 4832, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique
4. ISO 4833-1, Microbiology of the food chain — Horizontal method for the enumeration of micro-organisms — Part 1: Colony-count at 30 degrees C — Pour plate technique
5. ISO 6461-2, Water quality — Detection and enumeration of the spores of sulphite-reducing anaerobes (Clostridia) — Part 2: Method by membrane filtration
6. ISO 6634, Fruits, vegetables and derived products — Determination of arsenic content — Silver diethyldithiocarbamate spectrophotometric method
7. ISO 16050, Foodstuffs Determination of aflatoxin B1, and the total content of aflatoxins B1, B2, G1 and G2 in cereals, nuts and derived products — High-performance liquid chromatographic method
8. ISO 6634, Fruits, vegetables and derived products — Determination of arsenic content — Silver diethyldithiocarbamate spectrophotometric method
9. ISO 17240, Fruit and vegetable products — Determination of tin content — Method using flame Atomic Absorption Spectrometry
10. ISO 11923 Water quality -- Determination of suspended solids by filtration through glass-fibre filters
11. ASTM D 5907, *Standard test methods for filterable matter (total dissolved solids) and non-filterable matter (total suspended solids) in water*

12. ISO 6222, *Water quality — Enumeration of culturable microorganisms — Colony count by inoculation in nutrient agar culture media*
13. ISO 6332, *Water quality — Determination of the chemical oxygen demand*
14. ISO 6888-1, *Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Technique using Baird-Parker agar medium*
15. ISO 7888, *Water quality — Determination of electrical conductivity*
16. ISO 9297, *Water quality — Determination of chloride — Silver nitrate titration with chromate indicator (Mohr's method)*
17. ISO 9308-1, *Water quality — Detection and enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method*
18. ISO 9964-1, *Water quality — Determination of sodium and potassium — Part 1: Determination of sodium by atomic absorption spectrometry*

19. ISO 10523, *Water quality — Determination of pH*
20. ISO 12020, *Water quality — Determination of aluminium — Atomic absorption spectrometric methods*
21. ISO 21567, *Microbiology of food and animal feeding stuffs — Horizontal method for the detection of Shigella spp.*

22. ISO 6059, *Water quality — Determination of the sum of calcium and magnesium - EDTA titrimetric method*
23. ISO 6461-1, *Water quality — Detection and enumeration of the spores of sulphite reducing anaerobes (clostridia) — Part 1: Method by enrichment in a liquid medium*

24. ISO 6461-2, *Water quality — Detection and enumeration of the spores of sulphite-reducing anaerobes (clostridia) — Part 2: Method by membrane filtration*
25. ISO 7027, *Water quality — Determination of turbidity*
26. ISO 7887, *Water quality — Determination of colour*
27. ISO 8245, *Water quality — Guidelines for the determination of total organic carbon (TOC) and dissolved organic carbon (DOC)*
28. ISO 4832, *Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique*
29. ISO 7899-2, *Water quality — Detection and enumeration of intestinal enterococci — Part 2: Membrane filtration method*
30. ISO 16266, *Water quality — Detection and enumeration of pseudomonas aeruginosa — Method by membrane filtration*
31. IEC 61032 Protection of persons and equipment by enclosures – Probes for
32. Verification;
33. IEC 60335-1, Household and similar electrical appliances - Safety - Part 1:
34. General requirements;
35. IEC 60584-1, Thermocouples - Part 1: EMF specifications and tolerances;
36. IEC 60364, Low-voltage electrical installations (**all parts**);
37. IEC 60826, Design criteria of overhead transmission lines;
38. IEC 61111, Live working — Electrical insulating matting;
39. IEC 60168, Tests on indoor and outdoor post insulators of ceramic material or
 - a. glass for systems with nominal voltages greater than 1000 V;
40. IEC 60273, Characteristic of indoor and outdoor post insulators for systems with
 - a. nominal voltages greater than 1000 V;
41. IEC 61241, Electrical apparatus for use in the presence of combustible dust;

42. IEC 60079, Electrical apparatus for explosive gas atmospheres;
43. ISO 3864-1, *Graphical symbols — Safety colours and safety signs — Design*
- a. *principles for safety signs and safety markings;*
44. ISO 3864-2, *Graphical symbols — Safety colours and safety signs — Design*
- a. *principles for graphical symbols for use in safety signs;*
45. ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered*
- a. *safety signs;*
46. IEC 60038, *IEC standard voltages;*
47. IEC 61478, *Live working — Ladders of insulating material*
48. IEC 60383-1, *Insulators for overhead lines with a nominal voltage above 1000 V*
- a. — *Part 1: Ceramic or glass insulator units for a.c. systems — Definitions, test*
 - b. *methods and acceptance criteria; and*
49. IEC 60446, *Basic and safety principles for man-machine interface, marking and*
- a. *Identification — Identification of conductors by colours or numerals*
50. ISO 437, Steel and cast iron — Determination of total carbon content — Combustion gravimetric method
51. ISO 439, Steel and iron — Determination of total silicon content — Gravimetric method
52. ISO 629, Steel and cast iron — Determination of manganese content — Spectrophotometric method
53. ISO 671, Steel and cast iron — Determination of sulphur content — Combustion titrimetric method
54. ISO 4829-1, Steel and cast iron — Determination of total silicon content — Reduced molybdsilicate spectrophotometric method — Part 1: Silicon contents between 0.05 and 1.0 %

55. ISO 4829-2, Steel and iron — Determination of total silicon content — Reduced molybdosilicate spectrophotometric method — Part 2: Silicon contents between 0.01 and 0.05 %
56. ISO 4943, Steel and cast iron — Determination of copper content — Flame atomic absorption spectrometric method
57. ISO 10714, Steel and iron — Determination of phosphorus content — Phosphovanadomolybdate spectrophotometric method
58. ISO 14347, Fatigue — Design procedure for welded hollow-section joints — Recommendations
59. ISO 404, Steel and steel products — General technical delivery requirements
60. ISO 10144, Certification scheme for steel bars and wires for the reinforcement of concrete structures
61. ISO 14284, Steel and iron — Sampling and preparation of samples for the determination of chemical composition
62. ISO 15630-1, Steel for the reinforcement of concrete and pre-stressing of concrete — Test methods — Part 1: Reinforcing bars, wire rod and wire
63. ISO/TR 9769, Steel and iron — Review of available methods of analysis
64. ISO/TS 4949, Steel names based on letter symbols
65. ISO 6892, Metallic materials — Tensile testing
66. ISO 10065, Steel bars for reinforcement of concrete — Bend and rebend tests
67. ISO 10544, Cold-reduced steel wire for the reinforcement of concrete and the manufacture of welded fabric
68. ISO 11082, Certification scheme for welded fabric for the reinforcement of concrete structure
69. ISO 15184, Paints and varnishes — Determination of film hardness by pencil test
70. ISO 6892 -1, Metallic materials — Tensile strength test
71. ISO 898-1, Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs
72. ISO 2103, Loads due to use and occupancy in residential and public buildings

73. ISO 3506-1, Mechanical properties of corrosion-resistant stainless steel fasteners — Part 1: Bolts, screws and studs
74. ISO 3506-2, Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 2: Nuts
75. ISO 3575, Continuous hot-dip zinc-coated carbon steel sheet of commercial and drawing qualities
76. ISO 4354, Wind actions on structures
77. ISO 6594, Cast iron drainage pipes and fittings — Spigot series
78. ISO 8992, Fasteners — General requirements for bolts, screws, studs and nuts
79. ISO 16813, Building environment design — Indoor environment — General principles
80. ISO 6579, Microbiology of food and animal feeding stuffs — Horizontal method for the detection of *Salmonella* spp
81. ISO 7251, Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of presumptive *Escherichia coli* — Most probable number technique
82. ISO 7305, Milled cereal products — Determination of fat acidity
83. ISO 9648, Sorghum — Determination of tannin content
84. ISO 11085, Cereals, cereals-based products and animal feeding stuffs — Determination of crude fat and total fat content by the Randall extraction method
85. ISO 14902, Animal feeding stuffs — Determination of trypsin inhibitor activity of soya products
86. ISO 16050, Foodstuffs — Determination of aflatoxin B1 and the total content of aflatoxins B1, B2, G1 and G2 in cereals, nuts and derived products — High-performance liquid chromatographic method
87. ISO 20483, Cereals and pulses — Determination of the nitrogen content and calculation of the crude protein content – Kjeldahl method

88. ISO 21527-2, Microbiology of food and animal feedstuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0.95
89. ISO 24333, Cereals, and cereal products — Sampling
90. ISO 24557, Pulses — Determination of moisture content — Air oven method
91. ISO 6731, Milk, cream and evaporated milk — Determination of total solids content (Reference method)
92. ISO 4833, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of microorganisms — Colony-count technique at 30 °C
93. ISO 5538, Milk and milk products — Sampling — Inspection by attributes
94. ISO 2171, Cereals, pulses and by-products — Determination of ash yield by incineration
95. ISO 5498, Agricultural food products — Determination of crude fibre content — General method
96. ISO 7251, Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of presumptive *Escherichia coli* — Most probable number technique