APPENDIX DD
ADOPTION PROPOSAL FORM

**CPR183/F12**

**KENYA BUREAU OF STANDARDS**

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| **Document Type:** | **Adoption proposal** |
| **Dates:** | Circulation date | Closing date |
| 30th January 2024 | 29th February 2024 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Eng. Anthony Cheruiyot (**ronoa**@kebs.org****)**  |

The Kenya Bureau of Standards intends to adopt the International Standards as detailed here below

**KEBS 121STEEL AND ALUMINIUM PRODUCTS AND METALLUGY**

1. **Number:** ISO 4954:2022 to replace KS ISO 4954:1998

**Title:** Steels for cold heading and cold extruding

**Scope:**

This document specifies requirements for non-alloy and alloy steels that are intended for cold heading or cold extruding and are delivered as wire rods, wire or bars. It also contains specific requirements for:

— steels not intended for heat treatment, with diameters from 2 mm to 100 mm (see Annex A);

— case-hardening steels with diameters from 2 mm to 100 mm (see Annex B);

— steels for quenching and tempering, including boron-alloyed steels (see Table C.3), with diameters from 2 mm to 100 mm (see Annex C);

— stainless steels with diameters of 0,8 mm up to 50 mm for austenitic steels, up to 25 mm for ferritic steels and up to 100 mm for martensitic steels (see Annex D).

This document (except Annex A) is applicable to the properties of cold-headed or cold-extruded parts which have been subjected to a subsequent heat treatment. As the properties of the parts in the cold-headed or cold-extruded, and subsequently not-heat-treated condition, are largely dependent on the applied cold-heading or cold-extruding conditions, these are, if necessary, subject to agreement between the purchaser and the manufacturer of the parts.

<https://www.iso.org/obp/ui/en/#iso:std:iso:4954:ed-5:v1:en>

1. **Number**: ISO 15208:2022 to replace KS ISO 15208:2012

**Title:** Continuous hot-dip zinc-coated twin-roll cast steel sheet of commercial quality

**Scope:**

This document specifies the requirements for steel sheet, in coils and cut length, metallic-coated by the continuous hot-dip zinc-coated twin-roll cast process of commercial quality.

The steel sheet is intended for applications requiring corrosion resistance, formability and paintability.

The steel sheet is produced in a number of grades, coating masses, surface treatments and ordering conditions.

<https://www.iso.org/obp/ui/en/#iso:std:iso:15208:ed-2:v1:en>

1. **Number**: ISO 4998:2023 to replace KS ISO 4998:2011

**Title:** Steel sheet, zinc‐coated and zinc‐iron alloy‐coated by the continuous hot‐dip process, of structural quality

**Scope:** This document specifies the requirements for steel sheet, zinc-coated and zinc-iron alloy-coated by the continuous hot-dip process, of structural quality.

The product is intended for applications where resistance to corrosion is of prime importance.

The steel sheet is produced in a number of grades, coating masses, ordering conditions, and surface treatments.

This document does not cover steel sheet designated as commercial quality, or drawing quality, which are covered in ISO 3575[1].

<https://www.iso.org/obp/ui/ru/#iso:std:iso:4998:ed-7:v1:en>

1. **Number**: ISO 4945:2018 to replace KS ISO 4945:1977

**Title:** Steel — Determination of nitrogen — Spectrophotometric method

**Scope:** This document specifies a spectrophotometric method for the determination of nitrogen in steel.

The method is applicable to the determination of nitrogen mass fraction between 0,000 6 % and 0,050 % in low alloy steels and between 0,010 % and 0,050 % in high alloy steels.

The method does not apply to samples containing silicon nitrides or having silicon contents higher than 0,6 %.

<https://www.iso.org/obp/ui/#iso:std:iso:4945:ed-2:v1:en>

1. **Number**: ISO 4943:2022 to replace KS ISO 4943:1985

**Title:** Steel and cast iron — Determination of copper content — Flame atomic absorption spectrometric method

**Scope:** This document specifies a flame atomic absorption spectrometric method for the determination of copper in steel and cast iron.

The method is applicable to copper contents in the range of 0,003 % (mass fraction) to 3,0 % (mass fraction).

<https://www.iso.org/obp/ui/en/#iso:std:iso:4943:ed-2:v1:en>

1. **Number**: ISO 4829-1:2018 to replace KS ISO 4929-1:1986

**Title:** Steel and cast iron — Determination of total silicon contents — Reduced molybdosilicate spectrophotometric method — Part 1: Silicon contents between 0,05 % and 1,0 %

**Scope:** This document specifies a spectrophotometric method for the determination of total silicon in steel and cast iron using reduced molybdosilicate.

The method is applicable to the determination of silicon mass fraction between 0,05 % and 1,0 %.

<https://www.iso.org/obp/ui/en/#iso:std:iso:4829:-1:ed-2:v1:en>

1. **Number**: ISO 6892-1:2019 to replace KS ISO 6892-1:2009

**Title:** Metallic materials — Tensile testing — Part 1: Method of test at room temperature

**Scope:** This document specifies the method for tensile testing of metallic materials and defines the mechanical properties which can be determined at room temperature.

NOTE Annex A contains further recommendations for computer controlled testing machines.

<https://www.iso.org/obp/ui/en/#iso:std:iso:6892:-1:ed-3:v1:en>

1. **Number**: ISO 15211:2022 to replace KS ISO 15211:2012

**Title:** Steel sheet, twin-roll cast, zinc-coated by the continuous hot-dip process, of structural quality and high strength

**Scope:** This document specifies the requirements for steel sheet, in coils and cut length, metallic-coated by the continuous hot-dip zinc-coated twin-roll cast process, of structural and high strength quality.

The product is intended for applications requiring corrosion resistance, and paintability.

The steel sheet is produced in a number of grades, coating masses, surface treatments and ordering conditions.

<https://www.iso.org/obp/ui/en/#iso:std:iso:15211:ed-2:v1:en>

1. **Number**: ISO 16172:2018 to replace KS ISO 16172: 2011

**Title:** Steel sheet, metallic-coated by the continuous hot-dip process for corrugated steel pipe

**Scope:** This document is applicable to the minimum requirements for steel sheet used in the manufacture of corrugated steel pipe, in coils, flat cut lengths and corrugated cut lengths metallic-coated by the continuous hot-dip process.

This product is intended for storm sewers, culverts, drains and similar uses.

Several metallic-coated materials are covered, which relies on users to determine which product best serves their needs. Four different metallic coatings are included:

— zinc coated;

— zinc-5 % aluminium-mischmetal alloy coated;

— 55 % aluminium-zinc alloy coated;

— aluminium-silicon alloy coated.

<https://www.iso.org/obp/ui/en/#iso:std:iso:16172:ed-3:v1:en>

1. **Number**: ISO 20805:2017 to replace KS ISO 20805:2011

**Title:** Hot-rolled steel sheet in coils of higher yield strength with improved formability and heavy thickness for cold forming

**Scope:** This document is applicable to continuous hot-rolled steel sheet in coils of higher yield strength with improved formability and heavy thickness for cold forming. The steel can be treated to achieve inclusion control. It is generally used in the as-delivered condition.

As a result of the combination of higher strength and improved formability, it is possible to obtain savings in mass along with better weldability.

The product is intended for applications where parts are to be fabricated requiring better formability than is provided by normal high-yield-strength steel sheet.

The steel sheet is produced in a number of grade designations designed to be compatible with differing application requirements.

This document does not apply to

— steels intended for boilers or pressure vessels,

— steels designated as commercial quality, drawing quality or structural quality,

— steels rolled to cold-reduced products,

— steels designated as weathering steels, having increased atmospheric corrosion resistance, or

— those products rolled on a plate mill.

<https://www.iso.org/obp/ui/en/#iso:std:iso:20805:ed-3:v1:en>

1. **Number**: ISO 15177:2021 to replace KS ISO 15177:2012

**Title:** Hot-rolled twin-roll cast steel sheet of commercial quality

**Scope:** This document specifies the requirements for hot-rolled twin-roll cast steel sheet of commercial quality.

The product is intended for applications where the presence of oxide or scale or normal surface imperfections disclosed after removal of oxide or scale are not objectionable. It is not suitable for applications where the surface is of prime importance.

This document does not cover steel sheet that is subjected to subsequent rolling.

<https://www.iso.org/obp/ui/en/#iso:std:iso:15177:ed-2:v1:en>

1. **Number**: ISO 14788:2017 to replace KS ISO 14788:2011

**Title:** Steel sheet, zinc-5 % aluminium alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities

**Scope:** This document is applicable to the minimum requirements for steel sheet, in coils and cut lengths, metallic-coated by the continuous hot-dip process, with zinc-5 % aluminium alloy coating.

The product is intended for applications requiring corrosion resistance, formability and paintability.

The steel sheet is produced in a number of quality designations and grades, coating type, coating mass, surface treatments and coating finish conditions designed to be compatible with differing application requirements.

<https://www.iso.org/obp/ui/en/#iso:std:iso:14788:ed-4:v1:en>

1. **Number**: ISO 15179:2022 to replace KS ISO 15179:

**Title:** Hot-rolled twin-roll cast steel sheet of structural quality and high strength steel

**Scope:** This document specifies the requirements for hot-rolled twin-roll cast steel sheet of structural quality and high strength steel.

The product is intended for applications where specific mechanical properties are required. It is generally used in the delivered condition and is intended for bolted, riveted or welded structures, and it is produced on a wide strip mill, not a plate mill.

Structural quality twin-roll cast steel sheet is a carbon steel produced to specified mechanical properties and is available in a number of grades.

High strength hot-rolled twin-roll cast steel sheet, strengthened by microalloys is produced to specified mechanical properties and is available in a number of grades and classes.

<https://www.iso.org/obp/ui/en/#iso:std:iso:15179:ed-2:v1:en>

We are therefore seeking views from potential users in respect of the same. The Standard is available at the Kenya Bureau of Standards Information Centre. Please tick and fill your preference of the listed option. (If the spaces provided are not enough, please attach a separate sheet of paper).

 Adoption acceptable as presented

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 Adoption proposal not acceptable because of the reason(s) below

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 Our Recommendations are as follows

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Name and Signature (of respondent): ................................................

Position (of respondent): .....................................

On behalf of ......................................................................................... (Name of organization)

Date .........................................................................

**NOTE:** Absence of any reply or comments shall be deemed to be an acceptance of the proposal for adoption and **shall constitute an approval vote**.