ADOPTION PROPOSAL FORM

**STA/SDV/OP/04/F1**

**KENYA BUREAU OF STANDARDS**

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| **Document Type:** | **Adoption proposal** | |
| **Dates:** | Circulation date | Closing date |
| 23/4/2020 | 24/5/2020 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Nkatha Betty (**[**nkathab@kebs.org**](mailto:nkathab@kebs.org) **)** | |

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

1. **Number:** ISO 4995:2014

**Title:** Hot-rolled steel sheet of structural quality

**Scope:**

ISO 4995:2014 applies to hot-rolled steel sheet of structural quality in the grades listed in Table 1, usually prepared without the use of microalloying elements. The product is intended for structural purposes where particular mechanical properties are required. It is generally used in the delivered condition and is intended for bolted, riveted, or welded structures. This product is produced on a wide strip mill, not a plate mill.

This International Standard does not cover steels intended for boilers or pressure vessels, steels designated as commercial quality or drawing quality (covered in ISO 3573[1]), steels to be re-rolled to cold-reduced products, or steels designated as weathering steels, having increased atmospheric corrosion resistance.

1. **Number:** ISO 13976:2016

**Title:**

Hot-rolled steel sheet in coils of structural quality and heavy thickness

**Scope:**

ISO 13976:2016 applies to hot-rolled carbon/manganese steel sheet in coils of structural quality without the use of microalloying elements. It is generally used in the delivered condition and is intended for bolted, riveted or welded structures. The product is produced on a wide sheet mill.

The product is intended for structural purposes where particular mechanical properties are required.

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

It does not cover steels intended for boilers or pressure vessels, or steels designated as commercial quality or drawing qualities, or steels rolled to cold-reduced products, or steels designated as weathering steels, having increased atmospheric corrosion resistance, or those products rolled on a plate mill.

1. **Number:** ISO 3573:2012

**Title:**

Hot-rolled carbon steel sheet of commercial and drawing qualities

**Scope:**

ISO 3573:2012 applies to hot-rolled carbon steel sheet of commercial and drawing qualities. Hot-rolled steel sheet is suitable for many 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.

1. **Number:** ISO 4996:2014

**Title:** Hot-rolled steel sheet of high yield stress structural quality

**Scope:**

ISO 4996:2014 applies to hot-rolled steel sheet of high yield stress structural quality with the use of microalloying elements. The product is intended for structural purposes where particular mechanical properties are required. It is generally used in the delivered condition and is intended for structures that may include bolting, riveting and welding.

ISO 4996:2014 is not applicable to steels intended for boilers or pressure vessels, steels designated as commercial quality or drawing quality (covered by ISO 3573), steels to be re-rolled to cold-reducing products, steels designated as weathering steels, having increased atmospheric corrosion resistance, or steels having improved formability properties compared with those covered by it.

1. **Number:** ISO 4978 :2018

**Title:** Steel sheet and strip for welded gas cylinders

**Scope:**

This document specifies the characteristics of hot-rolled steel sheet and strip with a thickness up to 12 mm inclusive of the non-alloyed steels listed in Table 1, which are intended for welded gas cylinders in accordance with ISO 4706.

1. **Number:** ISO 3574:2012

**Title:** Cold-reduced carbon steel sheet of commercial and drawing qualities

**Scope:**

ISO 3074:2012 applies to cold-reduced carbon steel sheet of commercial and drawing qualities. It is suitable for applications where the surface is of prime importance.

1. **Number:** ISO 3575 : 2016

**Title:**

Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of commercial and drawing qualities

**Scope:**

ISO 3575:2016 is applicable to the requirements for steel sheet, in coils and cut lengths, metallic-coated by the continuous hot-dip process, with zinc and zinc-iron alloy coatings.

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

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

ISO 3575:2016 does not cover steels designated as structural quality, which are covered in ISO 4998.

1. **Number:** ISO 20805:2017

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

**Scope:**

ISO 20805:2017 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.

ISO 20805:2017 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.

1. **Number:** ISO 5951

**Title:** Hot-rolled steel sheet of higher yield strength with improved formability

**Scope:**

ISO 5951:2013 applies to all grades of hot-rolled steel sheet of higher yield strength with improved formability. The steel is killed, made according to a fine grain practice and has a suitable chemical composition, including microalloying elements, to provide improved formability. The product is intended for the fabrication of parts requiring better formability than is provided by normal high yield strength steel sheet. It is generally used in the delivered condition.

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

ISO 5951:2013 does not cover steel intended for boilers or pressure vessels, steels designated as commercial quality or drawing quality (covered in ISO 3573), steels designated as weathering steels, having increased atmospheric corrosion resistance, or lower yield strength steels having less formability compared with those in ISO 5951:2013 (covered in ISO 4995 and ISO 4996).

1. **Number:** ISO 5952:2019

**Title**: Steel sheet, hot-rolled, of structural quality with improved atmospheric corrosion resistance

**Scope:**

This document specifies requirements for steel sheet hot-rolled of structural quality with improved atmospheric corrosion resistance, also known as weather-resistant structural steel. It is produced in the grades and classes listed in Table 1. The product is intended for applicationswhere requirements are for mechanical properties and increased resistance to atmospheric corrosion. It is generally used in the delivered condition and is intended for bolted, riveted or welded structures.

This document does not apply to the following steel qualities:

— steels intended for boilers and pressure vessels, and steels designated as commercial quality and drawing qualities (see ISO 3573);

— steels produced on reversing mills and designated with improved atmospheric corrosion resistance (see ISO 630-5);

— steels designated with structural quality (see ISO 4995), and high yield strength structural quality (see ISO 4996);

— steels designated with higher yield strength with improved formability (see ISO 5951).

1. **Number:** ISO 377:2017

**Title:** Steel and steel products — Location and preparation of samples and test pieces for mechanical testing

**Scope:**

ISO 377:2017 specifies requirements for the identification, location and preparation of samples and test pieces intended for mechanical tests on steel sections, bars, rod, flat products and tubular products as defined in ISO 6929. If agreed in the order, ISO 377:2017 can also apply to other metallic products. These samples and test pieces are for use in tests that are carried out in conformity with the methods specified in the product or material standard or, in the absence of this, in the standard for the test method.

Where the requirements of the order or product standard differ from those given in ISO 377:2017, then the requirements of the order or product standard apply.

1. **Number:** ISO 7452:2013

**Title:** Hot-rolled steel plates — Tolerances on dimensions and shape

**Scope:**

ISO 7452:2013 specifies requirements for tolerances for hot-rolled steel plates made on a reversing mill with the following characteristics:

1. nominal thickness: 3 mm ≤ *t* ≤ 400 mm;
2. nominal width: *w* ≥ 600 mm.

ISO 7452:2013 does not apply to stainless steel.

ISO 7452:2013 does not include continuous mill products, custom-made plate, checker plate or bulb plate for flooring or wide flats.

1. **Number:** ISO 6930:2019

**Title:** High yield strength steel plates and wide flats for cold forming — Delivery conditions

**Scope:**

This document specifies the requirements for weldable high yield strength plates and wide flats for cold forming.

It does not apply to weldable structural steels, whether or not of special quality, which are covered by other International Standards, namely:

— structural steels: ISO 630 (all parts);

— high yield strength flat steel products: ISO 4950-1, ISO 4950-2 and ISO 4950-3;

— hot-rolled steel sheet of higher yield strength with improved formability: ISO 5951;

— sheet and strip: refer to ISO/TC 17, *Steel*, SC 12, *Continuous mill flat rolled products*;

— tubular products; refer to ISO/TC 5, *Ferrous metal pipes and metallic fittings*, SC 1, *Steel tubes*.

1. **Number:** ISO 18286:2018

**Title:** Hot-rolled stainless-steel plates — Tolerances on dimensions and

shape

**Scope:**

ISO 18286:2008 specifies requirements for tolerances for hot-rolled stainless steel plates (quarto plates) made on a reversing mill with the following characteristics: nominal thickness, *t*, from 4 mm to 250 mm; and nominal width, *w*, equal to or greater than 600 mm.

Tolerances for plate of width *w* less than 600 mm cut or slit from wider plate should be agreed upon between manufacturer and purchaser at the time of enquiry and order.

ISO 18286:2008 is not applicable to round plates, custom-made plates, checker plate or bulb plate for flooring or wide flats, nor to continuous-process plates (plate made with coiling).

1. **Number:** ISO 13887:2017

**Title:** Steel sheet, cold-reduced, of higher yield strength with improved formability

**Scope:**

ISO 13887:2017 is applicable to all grades of cold-reduced steel sheet of higher yield strength with improved formability. The steel is made according to fine-grain practice and has a suitable chemical composition to provide improved formability. The product is intended for the fabrication of parts requiring better formability. It is generally used in the delivered condition.

ISO 13887:2017 does not apply to steels designated as commercial quality or drawing quality (see ISO 3574), steels of structural quality (see ISO 4997) or steels of high tensile strength and low yield point with improved formability (see ISO 14590).

1. **Number:** ISO 14788:2017

**Title:**

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

**Scope:**

ISO 14788:2017 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.

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**.