



**Saudi Standards, Metrology and Quality Organization
(SASO)**

**Technical Regulation for Building Materials - Part 1: Sectors of
Metals and their Alloys for Buildings and Constructions**

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Note:

**Only the Arabic version of this Regulation is authentic in law and is
applicable where there are differences with this translation**

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Preamble

In line with the accession of the Kingdom of Saudi Arabia (KSA) to the World Trade Organization (WTO), as per the Decree No. 244 of the Council of Ministers, dated 21/09/1426 A.H., concerning the approval of documentation on the Kingdom's accession to the WTO, and the requirements by which the KSA shall adapt its relevant systems with the principles of WTO agreements, particularly, the Technical Barriers to Trade (TBT), which stipulates that no unnecessary technical requirements shall impede the flow of commodities among the member states, and that technical requirements and methods of conformity assessment shall not discriminate between products on the basis of origin, through the issuance of Technical Regulations that include the essential requirements and standardized business procedures.

In accordance with Article 3 (Clause-1), Statute of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: "SASO shall issue Saudi standards, quality systems and guidelines and conformity assessment, compatible with international standards and guidelines, that meet the requirements of the World Trade Organization (WTO) Agreement, in addition to their compliance with Islamic Sharia and serving the interests of Saudi Arabia";

In accordance with Article 4 (Clause-2), Statute of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **"SASO shall issue regulations for conformity assessment procedures of commodities, products, and services according to approved standards"**;

In accordance with Article 4 (Clause-14), Statute of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **"SASO shall review the laws and control regulations related to SASO's work fields, and develop them, and propose amendments thereto in line with quality and safety requirements, and refer them to competent bodies in order to review and issue them, in accordance with applicable procedures"**;

In accordance with Article 6 (Clause-1), Statue of Saudi Standards, Metrology and Quality Organization, issued in accordance with the Council of Ministers Decree No. 216, dated 17/06/1431 A.H. (31/05/2010 A.D.), stipulating that: **"Subject to Article 4 of this Statute, SASO shall be the authority in charge of matters related to standards, conformity assessment procedures, granting the quality mark,**



metrology and calibration. All public and private sectors shall be adhered to the Saudi standards in all purchases”.

Whereas the standards of the products included in a regulation shall be a basis for the conformity of such products with the essential safety requirements included in the specified regulation.

Therefore, SASO has developed this Technical Regulation.

Note: This preamble and all the annexes of this regulation shall form an integral part thereof.

Article (1) Terms and Definitions

1/1 When applying the articles of this regulation, terms and expressions hereunder –shall have the meanings indicated in front thereof, unless the context otherwise requires:

KSA: The Kingdom of Saudi Arabia.

The Board: SASO’s Board of Directors.

SASO: Saudi Standards, Metrology and Quality Organization.

Regulatory Authorities: Governmental authority/authorities with regulatory tasks in consonance according to their specializations, which are responsible for the implementation and enforcement of technical regulations, whether in customs, markets, or manufactories.

Technical Regulation: A document approved by The Board that provides, the specifications of products, associated processes and production methods, including applicable administrative provisions; with which compliance is mandatory. It may include or pay attention to terms, definitions, packaging, and requirements of markings or labelling products, services, processes or production methods.

Standard: A document approved by the Board that provides, for the regular and recurring use, non-mandatory rules and instructions, and specifications of products or processes and production methods. It may include, or pay attention to terms, definitions, packaging, and requirements of markings or labelling products, services, processes or production methods.

Product: Metal and alloy sectors manufactured for use in constructions and buildings.

Essential Requirements: Special requirements of the products; that may affect the safety, health, and the environment; that must be adhered to.

Market Surveillance Authorities: governmental authority/ authorities responsible for carrying out market surveillance.

Market Surveillance: Activities and measures carried out by the market surveillance authorities to verify that products meet the requirements stipulated in the relevant technical regulations, and to ensure that they do not pose a risk to health, safety, environment, or any other aspect related to the protection of the public interest.

Hazard(s): A potential source of harm.

Risk (s): A potential risk causing damage; associated with the severity of damage.

Supplier:

- A product manufacturer, in case that he is resident in the KSA, or the person identified as the manufacturer of the product, through linking the product to their name, or to a relevant commercial description, or any person who provides a product renewal.
- An agent, if the manufacturer is outside the KSA or an importer in the absence of an agent of the manufacturer.
- Any person in the supply chain, whose activities may affect the product properties.

Conformity Assessment Procedures: A document approved by the Board of Directors, which describes the procedures used directly, or indirectly for the conformity assessment.

Notified Bodies: Conformity Assessment Bodies “Third Party”, approved by SASO in accordance with the regulation of approving Conformity Assessment Bodies.

Certificate of Conformity: A certificate issued by SASO or a notified body, which ensures the conformity of a product, or any batch thereof, with the requirements of relevant standards.

Supplier Declaration of Conformity: A declaration by the supplier by which it declares that a product conforms to the requirements herein and applicable legislations, without the mandatory intervention of a third party neither in the design stage, nor in the production stage of the manufacturing process. A declaration may depend on testing the product in accordance with the relevant legislation.

Saudi Quality Mark: A mark granted by SASO, which declares that the establishment has an effective management system, which ensures that the products they supply are produced in accordance with the applicable regulations, granting procedures, and the relevant Saudi standards.

Placing on Market: Launching a product for the first time in the Saudi market for which the manufacturer/supplier is responsible.

Display in the Market: Any supply of the product for distribution, consumption or use in the KSA, in the course of a commercial activity, in return for payment or free of charge.

Withdrawal: Any procedure that aims to prevent a product from being placed in the market and in a supply chain.

Recall: Any procedure that aims to recall products made available for the end-user, according to the recall regulation.

Building (Construction) Materials: Any product or equipment (kit) manufactured and placed on the market for the purpose of sustainable integration into construction work or parts thereof, the performance has an affect on the construction work with respect to the essential requirements of health, safety and environment.

Kit: Construction materials produced by the manufacturer and placed on the market in the form of a set of – at least – two separate parts, where their installation requires the parts to be combined.

Construction Works: Buildings and constructions.

Basic Properties: Main properties of building materials products that are related to the basic requirements of construction works.

1/2 The terms and expressions specified herein shall have the meanings specified in the applicable laws, regulations, and decrees of SASO.

Article (2) Scope

This Technical Regulation shall apply to metal and metal alloys designed for construction works, in accordance with the relevant definitions and terms in Article (1) and the relevant standards in Annex (1).

Compliance with this Regulation shall not preclude compliance with the requirements of the Saudi Building Code.

Article (3) Objectives

This Technical Regulation aims to lay out the essential requirements of metals or alloys designed for construction works, included in the scope of this regulation, and to identify of conformity assessment procedures with which suppliers shall comply, in order to ensure the conformity of these products to the essential requirements aiming at preservation of the environment, health and safety of the consumer, and facilitate market surveillance procedures.

Article (4) Obligations of Supplier

The supplier shall adhere to the following requirements:

4/1 Basic Requirements for Construction Works

Metals and metal alloys subject to this technical regulation – designed for construction works as a whole or their separate parts - shall be appropriate for the purpose for which they were designed, taking into consideration, in particular, the health and safety of the persons concerned at all stages of the construction life cycle, including routine maintenance. Construction works shall fulfill the basic requirements during an economically reasonable working life.

4/1/1 Mechanical Resistance and Stability

Metal and metal alloys related to construction works, whether individually or combined with other construction materials, shall be designed and manufactured to endure all loads for which they were designed during construction and usage periods, in order to avoid the following risks:

- A) Total or partial collapse of the structures.
- B) Occurrence of significant distortions (deviations) beyond the acceptable limits.
- C) Damage to other parts of the structure, fixtures or equipment, as a result of large distortions (deviations) in the supporting structural elements.
- D) Damage resulted from occasional accidents.

4/1/2 Safety in case of Fire

Metal or metal alloys shall be designed and manufactured for construction work, either individually or integrated with other building materials, to ensure, in the event of a fire, the resilience of the building's structural elements for a specified period of time.

4/1/3 Sustainable Use of Natural Resources

Metal or metal alloys shall be designed and manufactured in such a way to achieve the sustainable use of natural resources, in order to guarantee the following in particular:

- A) Reuse or recycle.



- B) Sustainability of buildings.
- C) Use of environment-friendly primary and secondary raw materials.

4/2 Technical Requirements

To fulfill the requirements of this technical regulation, the supplier must meet the basic characteristics of the metal or alloy sectors used in constructions and buildings, as follows:

- 4/2/1 Metal or alloys products for construction works shall meet the technical requirements stipulated in the standards set out in Annex (1) of this technical regulation.
- 4/2/2 Provide an effective environmental management system at the plant (A manufactory certified with environmental management system in accordance with ISO 14001 shall be deemed as meeting the requirements of this clause).

4/3 Metrological Requirements

International system units (SI Units), their multipliers, or parts shall be used during design, manufacturing, or trading.

Article (5) Labelling

Labeling of metal products or alloys used in constructions and buildings, intended to be placed and offered in the market, shall be as follows:

- 5/1 Labels on the product package shall be in conformity with the technical requirements provided in this regulation and the relevant standards set out in Annex (1) of this Technical Regulation.
- 5/2 All information used on labels shall be correct and verified.
- 5/3 All information used on labels shall be in Arabic or in Arabic and English.

Article (6) Conformity Assessment Procedures

- 6/1 The supplier - responsible for placement of reinforcement steel (Rebar) or steel plates products in the market - shall obtain the Saudi Quality Mark or its equivalent, in accordance with the General Technical Regulations of the Quality Mark.
- 6/2 The supplier - responsible for placement of the remaining products subject to this Regulation - shall obtain a Certificate of Conformity issued by a Notified body approved by SASO, in accordance with the conformity assessment model (Type 3) as described in Annex (2).

- 6/3 Notified bodies shall implement the conformity assessment procedures according to the specified model, in order to ensure fulfillment of the requirements of the Technical Regulation and relevant Saudi standards set out in Annex (1).
- 6/4 The product shall be accompanied by a technical file, which includes the following:
 - A) Supplier (manufacturer/importer) Declaration of Conformity in accordance with the attached form in Annex (3).
 - B) Risk Assessment Document.
- 6/5 Suppliers shall cooperate with the Regulatory Authorities and Market Surveillance Authorities by providing the technical file, Certificates of Conformity, and any other documents proving the conformity of the product with the requirements of this Technical Regulation, upon request.
- 6/6 Metal or metal alloy products subject to this technical regulation, that have obtained the Saudi Quality Mark or its equivalent, shall be deemed to be complying with the requirements set forth in this Technical Regulation.

Article (7) Responsibilities of Regulatory Authorities (Ports and Factories)

Regulatory Authorities, as a part of their competence, shall carry out the following:

- 7/1 Regulatory Authorities shall verify that metal or metal alloy products designed for construction works - subject to this regulation - fulfill the requirements of the specified conformity assessment procedures and technical documents attached to consignments, including factories.
- 7/2 Regulatory Authorities are entitled to randomly take samples of metal and metal alloy products, subject to this regulation, and refer such samples to the competent laboratories to ascertain the extent of the conformity with the requirements set out in this Technical Regulation.
- 7/3 Regulatory Authorities are entitled to charge the suppliers (manufacturers/importers) with the costs of tests and associated fees.
- 7/4 In case of a non-conformity of the product, Regulatory Authorities shall withdraw the concerned products from warehouses, and take the necessary legal actions.

Article (8) Responsibilities of Market Surveillance Authorities

Market Surveillance Authorities, as part of their competence, shall carry out the following:

- 8/1 Enforce the market surveillance procedures on the products in markets and the products stored in warehouses of traders and manufacturers, in order to check the

product's safety and the extent of fulfillment of the requirements stipulated in this Technical Regulation and relevant standards

- 8/2 Sample the product, whether from the market or warehouses of suppliers (manufacturers and importers), in order to conduct the necessary tests and to verify the conformity of such products with the requirements set out in this Technical Regulation.
- 8/3 In case of non-conformity of the product – displayed or stored – with the requirements of this Technical Regulation, Market Surveillance Authorities shall take all administrative actions including withdrawal and recall of such products. Procedures and penalties – stipulated in Article (9) – shall be applied after taking the necessary actions.

Article (9) Violations and Penalties

- 9/1 It is prohibited to manufacture, import, launch, or even advertise the products non-conforming with the requirements of the articles stipulated in this Technical Regulation.
- 9/2 Failure to meet the requirements of this Regulation shall be a sufficient reason for Market Surveillance Authorities and Regulatory Authorities to consider the product as non-conforming, which may pose a risk to the health and safety of consumers and to the environment, including, but not limited to:
 - A) Non-fixing or improper fixing of conformity labels, Saudi Quality Mark, or its equivalent.
 - B) Failure to issue or improper issuance of the Certificate of Conformity or the Supplier Declaration of Conformity.
 - C) Unavailability or incompleteness of the technical documents.
 - D) Unavailability or incompleteness of product data/labels, or usage instruction.
- 9/3 In case of a violation of the provisions hereof, Market Surveillance Authorities shall – as the case may be - take all necessary actions to eliminate such violations, and their effects from the market. To this end, Market Surveillance Authorities may:
 - A) Mandate the violating party – that is responsible for placing and offering of the product – to withdraw the product from the warehouses or markets in order to remedy such violations, if possible. The product may be exported or destroyed (according to the nature of the product) within the period specified by the Market Surveillance Authorities.
 - B) Withdraw, restrain or destroy the products, or take any other necessary action to recall such products from the markets. In addition, as the case may



be, Market surveillance Authorities may announce the withdrawal of the product from the markets, and the violating party shall bear all associated expenses.

- 9/4 In case of a violation of metal and metal alloys products used in constructions and buildings, SASO shall take the necessary actions concerning products non-conforming with the requirements herein, including the cancellation of the quality mark or the relevant Certificate of Conformity, while taking the necessary measures with the notified body, which issued the certificate, in accordance with the Acceptance Regulation of Conformity Assessment Bodies.
- 9/5 Without prejudice to any other law, a party that violates any of the provisions hereof shall be subject to the penalties stipulated in applicable Anti-Commercial Fraud Law or any other superseding law.

Article (10) General Provisions

- 10/1 Supplier shall bear full legal responsibility for the implementation of the requirements of this Technical Regulation, and shall be subject to the penalties stipulated in the Anti-Commercial Fraud law and/or any other related laws, in case any violation of the articles herein is proven.
- 10/2 This Technical Regulation shall not impede the supplier to comply with all other systems/regulations applicable in the Kingdom of Saudi Arabia; pertaining to trading, transporting, or storing the product, in addition to the rules/regulations related to the environment, security, and safety.
- 10/3 Suppliers of metals and metal alloys products designed for construction works, subject to provisions of this regulation, shall provide the inspectors of the Regulatory and Market Surveillance Authorities with all necessary information, when required, to carry out their assigned tasks.
- 10/4 Where new originated cases that cannot be treated under the provisions herein or where a dispute arises as a result of the application of such provisions, such matter shall be referred to the competent committee in SASO, in order to issue a proper resolution regarding the case or dispute, while taking the public interest into consideration.
- 10/5 The supplier may submit a new request after elimination of the reasons of rejection, and after the necessary corrections have been made. The supplier shall be responsible for any additional expenses determined by SASO.
- 10/6 SASO shall examine the complaints received regarding the products having a Certificate of Conformity or a Quality Mark, if any, verify the validity of such complaints, and take the necessary legal actions in case of any violations.



- 10/7 SASO is entitled to annul the Certificate of Conformity or the Quality Mark license, if any, if the supplier violates the provisions herein, and shall take the legal actions to ensure the preservation of the rights of SASO.
- 10/8 If any modifications were made to the product during the validity period of the Certificate of Conformity, or the Quality Mark license, if any, (except for formal modifications), the certificate or license shall be annulled, and a new request shall be submitted.
- 10/9 SASO shall, exclusively, be entitled to construe the articles herein. All beneficiaries of the application of this Technical Regulation shall adhere to the interpretations issued by SASO.

Article (11) Transitional Provisions

- 11/1 The supplier shall adhere to the provisions of this Technical Regulation within six months from the date of publication in the Official Gazette.
- 11/2 Products, not complying with the requirements of this Technical Regulation, shall not be traded after one year from the date of publication in the Official Gazette.
- 11/3 This Technical Regulation, once adopted, shall supersede all the preceding regulations related to the scope of this regulation.

Article (12) Publication

This Technical Regulation shall be published in the Official Gazette.

Annex No. (1)**A) List of Metals and Metal Alloys Products for Constructions and Buildings and Relevant Standards**

No.	Product:	Title of standard in English	Standard No.
1	Low Alloy Steel Bars	Standard Specification for Deformed and Plain-Low-Alloy Steel Bars for Concrete Reinforcement	SASO ASTM A706/A706M
2	Carbon Steel Bars	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement.	SASO ASTM A615/A615M
3	Steel Bar Mats	Standard Specification for Welded Deformed Steel Bar Mats for Concrete Reinforcement	SASO ASTM A184M
4	Steel Sheets	Standard Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Preprinted by the Coil-Coating for Exterior Exposed Building Products.	SASO ASTM A755/A755M
5	Steel Products	Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling.	SASO ASTM A6/A6M
6	Steel Sheet	Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.	SASO ASTM A924/A924M
		Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Coated (Galvannealed) by the Hot-Dip Process	SASO ASTM A653
7		Standard Specification for Steel Sheet, Zinc-Aluminum-Magnesium Alloy-Coated by the Hot-Dip Process	SASO ASTM A1046M
		Standard Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process	SASO ASTM A463/A463M
		Standard Specification for Steel Sheet, Carbon, Structural, and High-Strength, low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for	SASO ASTM A568/A568M
		Standard Specification for Steel, Sheet, Twin-Roll Cast, Zinc-Coated (Galvanized) by the Hot-Dip process.	SASO ASTM A1063/A1063M
		Standard Specification for Steel, Sheet, Complex Phase (CP), Dual Phase (DP) and	SASO ASTM A1079



		Transformation Induced Plasticity (TRIP), Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.	
		Standard Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Hot-Rolled, Carbon, Commercial, Drawing, Structural, High-Strength Low-Alloy, High-Strength Low Alloy with Improved Formability, and Ultra-High Strength.	SASO ASTM A1018/A1018M
8	Steel Plates	Standard Specification for High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding.	SASO ASTM A514
9	Structural Steel	Standard Specification for High-Strength Low-Alloy Structural Steel, up to 50 ksi [345 MPa] Minimum Yield Point, with Atmospheric Corrosion Resistance	SASO ASTM A588/A588M
		Standard Specification for High-Strength Low-Alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-Tempering Process (QST)	SASO ASTM A913/A913M
		Standard Specification for Structural Steel with Low Yield to Tensile Ratio for Use in Buildings.	SASO ASTM A1043/A1043M
		Standard Specification for Carbon Structural Steel.	SASO ASTM A36/A36M
		Standard Specification for Manufacture, Performance and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceiling	SASO-ASTM-C635M
		Standard Specification for Nonstructural Steel Farming Members	SASO-ASTM-C645
10	Structural Hollow Sections	Hot-Finished Structural hollow sections of non-alloy and fine grains steels-Part 1: Technical delivery conditions	SASO ISO 12633-1
		Hot-Finished Structural hollow sections of non-alloy and fine grain steels-Part 2: Dimensions and sectional properties	SASO ISO 12633-2
		Cold-formed welded structural hollow sections of non-alloy and fine grain steels – Part 1: Technical delivery conditions	SASO ISO 10799-1



		Cold-formed welded structural hollow sections of non-alloy and fine grain steels – Part 2: Dimensions and sectional properties	SASO ISO 10799-2
11	Steel Wire	Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete,	SASO ASTM A1064/A1064M
		Standard Specification for Steel Wire, Epoxy-Coated	SASO/ASTM A899
		Standard Specification for Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete	
		Standard Specification for Uncoated, Weldless, 2-Wire and 9-Wire Steel Strand for Prestressed Concrete	SASO ASTM A910/A910M
12	Structural Steels	Structural steels – Part 1: General technical delivery conditions for hot-rolled products	SASO ISO 630-1
		Structural steels – Part 2: Technical delivery requirements for hot-finished hollow sections	SASO ISO 630-2
		Structural steels – Part 3: Technical delivery conditions for fine-grain structural steels	SASO ISO 630-3
13		Structural steels – Part 4: Technical delivery conditions for high-yield-strength quenched and tempered structural steel plates	SASO ISO 630-4
		Structural steels – Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance	SASO ISO 630-5
		Structural steels – Part 6: Technical delivery conditions for seismic-proof improved structural steels for building	SASO ISO 630-6
		Standard Specification for High-Strength Low-Alloy Structural Steel.	SASO ASTM A242
14	Stainless steels	Stainless steels for general purposes – part 1: Flat products	SASO ISO 16143-1
		Stainless steels for general purposes – part 2: Semi-finished products, bars rods and sections.	SASO ISO 16143-2
		Stainless steels for general purposes – Part 3: Wire	SASO ISO 6361-3
15	Wrought aluminum and	Wrought aluminum and aluminum alloy sheets, strips and plates – Part 1: Technical conditions for inspection and delivery	SASO ISO 6361-1

aluminum alloy	Wrought aluminum and aluminum alloy sheets, strips and plates – Part 2: Mechanical properties.	SASO ISO 6361-2
	Wrought aluminum and aluminum alloy sheets, strips and plates – Part 3: Strips: Tolerances on shape and dimensions	SASO ISO 6361-3
	Wrought aluminum and aluminum alloy sheets, strips and plates – Part 4: Sheets and plates: Tolerances on shape and dimensions	SASO ISO 6361-4
	Wrought aluminum and aluminum alloy sheets, strips and plates – Part 5: Chemical composition	SASO ISO 6361-5
	Wrought aluminum and aluminum alloys – Extruded rods/bars, tubes and profiles – Part 1: Technical conditions for inspection and delivery.	SASO ISO 6362-1
	Wrought aluminum and aluminum alloys extruded rods/bars, tubes and profiles – Part 2: Mechanical properties	SASO ISO 6362-2
	Wrought aluminum and aluminum alloys – Extruded rods/bars, tubes and profiles – Part 3: Extruded rectangular bars – Tolerances on shape and dimensions	SASO ISO 6362-3
	Wrought aluminum and aluminum alloys – Extruded rods/bars, tubes and profiles – Part 4: Profiles – Tolerances on shape and dimensions	SASO ISO 6362-4
	Wrought aluminum and aluminum alloys – Extruded rods/bars, tubes and profiles – Part 5: Round, square and hexagonal bars – Tolerances on shape and dimensions	SASO ISO 6362-5
	Wrought aluminum and aluminum alloys – Extruded rods/bars, tubes and profiles – Part 6: Round, square, rectangular and hexagonal tubes – Tolerances on shape and dimensions	SASO ISO 6362-6
	Wrought aluminum and aluminum alloys – Extruded rods/bars, tubes and profiles – Part 7: Chemical composition	SASO ISO 6362-7
	Wrought aluminum and aluminum alloys – Cold-drawn rods/bars, tubes and wires – Part 1: Technical conditions for inspection and delivery	SASO ISO 6363-1

		Wrought aluminum and aluminum alloys – Cold-drawn rods/bars, tubes and wires – Part 2: Mechanical properties	SASO ISO 6363-2
		Wrought aluminum and aluminum alloys – Cold-drawn rods/bars, tubes and wires – Part 3: Drawn round bars and wires – Tolerances on form and dimensions (Symmetric plus and minus tolerances on diameter)	SASO ISO 6363-3
		Wrought aluminum and aluminum alloys – Cold-drawn rods/bars, tubes and wires – Part 4: Drawn rectangular bars – Tolerances on form and dimensions on form and dimensions	SASO ISO 6363-4
		Wrought aluminum and aluminum alloys – Cold-drawn rods/bars, tubes and wires – Part 5: Drawn square and hexagonal bars and wires – Tolerances on form and dimensions	SASO ISO 6363-5
		Wrought aluminum and aluminum alloys – Cold-drawn rods/bars, tubes and wires – Part 6: Drawn round tubes – Tolerances on form of dimensions	SASO ISO 6363-6
16	Zinc/epoxy -Coated Steel Bars	Standard Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement	SASO ISO ASTM A767/A767M
		Specification for Epoxy-Coated Steel Reinforcing Bars	SASO ASTM A775/A775M
		Standard Specification for Epoxy-Coated Steel Wire and Welded Wire Reinforcement	SASO/ASTM A884/A884M

Note: The standards mentioned in this annex are subject to review, and suppliers are responsible for ensuring that they use the latest and updated standards.

B) List of Products and HS Codes (Custom Codes).

No.	Product Categories	HS Code
1	Flat-rolled products, of iron or non-alloyed steel, of a width of 600 mm or more, hot-rolled, not clad, plated or coated.	7208
2	Flat-rolled products, of iron or non-alloyed steel, of a width of 600 mm or more, cold-rolled, not clad, plated or coated.	7209
3	Flat-rolled products, of iron or non-alloyed steel, of a width of 600 mm or more, clad, plated or coated	7210
4	Flat-rolled products, of iron or non-alloyed steel, of a width less than 600 mm, not clad, plated or coated	7211
5	Flat-rolled products, of iron or non-alloyed steel, of a width less than 600 mm, clad, plated or coated	7212
6	Hot-rolled bars and rods, irregularly rolled, of iron or non-alloy steel.	7213
7	“bars and rods of iron or non-alloy steel, not further worked than forged, hot-rolled, hot-drawn or hot-extruded, including the bars and rods twisted after rolling	7214
8	Other bars or rods, of iron or non-alloy steel.	7215
9	Angles, shapes and sections of iron or non-alloy steel.	7216
10	Wire of iron or non-alloy steel.	7217
11	Stainless steel in ingots or other primary forms; semi-finished products of stainless steel	7218
12	Flat -rolled products of stainless steel, of a width of 600 mm or more	7219
13	Flat-rolled products of stainless steel, of a width of 600 mm	7220
14	Hot-rolled bars and rods, irregularly rolled, of stainless steel.	7221
15	Bars and rods of stainless steel; angles, shapes and sections of stainless steel	7222
16	Wire of stainless steel	7223
17	Other alloy steel in ingots or other primary forms; semi-finished products of other alloy steel	7224
18	Flat -rolled products of other alloy steel, of a width of 600 mm or more	7225
19	Flat-rolled products of other alloy steel, of a width less than 600 mm	7226
20	Hot-rolled bars and rods, irregularly rolled, of other alloy steel.	7227
21	Other bars and rods of other alloy steel; angles, shapes and sections of other alloy steel; hollow drill bars and rods of alloy or non-alloy steel	7228



22	Wire of other alloy steel	7229
23	Sheet piling of iron or steel, whether or not drilled, punched or made from assembled elements; welded angles, shapes and sections, of iron or steel.	7301
24	Railway or tramway track construction material of iron or steel, as follows: rails, switches, clippers, point rods and other crossing pieces, sleepers (cross-ties), fish-plates, chairs, chair wedges, sole plates (base plates), rail clips, support plates, ties and other material designed	7302
25	Structures (excluding prefabricated buildings of heading 9406) and parts of structures (for example, bridges and bridge-sections, lock-gates, towers, lattice masts, roofs, roof structures, doors and windows and their frames and thresholds for doors, shutters, balustrades, pillars) of iron or steel; plates and bars	7308
26	Bars and rods; shapes and angles of aluminum	7604
27	Wire of aluminum	7605
28	Aluminum sheets, plates and strips of more than 02 mm thick	7606
29	Aluminum structures (excluding prefabricated buildings of heading 9406) and parts of structures (for example, bridges and bridge-sections, towers, masts, roofs, roof structures, doors and windows and their frames and thresholds for doors, shutters, balustrades, pillars; plates, bars and special shapes,	7610
30	Tin bars, rods, special shapes (profiles) and wire.	8003
31	Wires, rods, tubes, plates, electrodes for welding and similar products, of base metal or of metal carbides, broken or stuffed with auxiliary smelting preparations "Flex" of the kinds used for welding, deposition of base metals or metal carbides.	8311
32	Greenhouses for agricultural purposes	9406

Note: The products and customs codes on the Saber electronic platform are the updated and certified version.



Annex No. (2)

Conformity Assessment Form (Type 3) as per ISO/IEC 17067

(Type Approval Based on Quality Assurance of Production Process)

1 Type Approval Based on Quality Assurance the Production Process

A model of conformity assessment procedures, by which the supplier fulfills the obligations set out in the items below, while ensuring and acknowledging - on its sole responsibility - that the concerned products are in conformity with the type specified in the Type Approval Certificate and comply with the requirements of the relevant technical regulations.

2 Manufacturing

The supplier shall operate with a certified Product Safety Management System, to ensure the safety of the product, including production lines, final inspection and testing of the concerned products as per Clause (3), and shall be subject to periodic surveillance as per Clause (4).

3 Product Safety Management System

3/1 The supplier shall submit a request to a Notified body “Third party” of its choice, in order to evaluate the safety management system of concerned products.

The request shall include:

- a) Name and address of the supplier, and the name and address of the official representative, in case the representative submits the request.
- b) The manufacturer shall be officially licensed by the relevant authorities in the country of origin.
- c) A written declaration not to submit the same request to any other Notified body “Third Party”.
- d) All relevant information regarding the concerned product category.
- e) Documentation of the Product Safety Management System.
- f) Technical documents of the certified type, and a copy of the Type Approval Certificate.

3/2 The Product Safety Management System shall guarantee that the manufactured products are in conformity with the type specified in the Type Approval Certificate, and with the requirements of the relevant technical regulations.

3/3 All the system elements and its requirements - adopted by the supplier - shall be documented in a systematic and orderly manner in a form of written policies, procedures



and instructions. The documents of the Product Safety Management System shall provide a consistent understanding of the safety programs, plans, manuals and records. Such documents shall contain, in particular, an adequate description of the following:

- a) Quality objectives, organizational structure, responsibilities and competences of the management regarding the safety of the product.
- b) Manufacturing techniques, product safety and quality assurance procedures, and applied processes and procedures.
- c) Executed inspections and tests; before, during, and after manufacturing, and the frequency with which they will be carried out.
- d) Records: such as inspection, testing, calibration reports, and the qualification documents of relevant personnel, etc.
- e) Means of control for achieving the required product safety and the effective operation of the Product Safety Management System.

3/4 The Approved body, approving the Product Safety Management System, shall assess such system to determine whether it fulfills the requirements referred to in Clause (3/3), during the period of the approval of the system, which shall be three years.

3/5 The product shall be presumed to comply with the requirements of the technical regulations, in relation to the items of the Product Safety Management System, whenever it conforms to the standards.

3/6 In addition to experience in the relevant product safety, the auditing team shall have one technical expert - at least – who is experienced in the assessment of the field and techniques of manufacturing of the product, and is fully aware of the technical requirements stipulated in the relevant technical regulations.

3/7 The audit shall include an assessment visit to the factory. The auditing team shall review the technical documents referred to in Clause (3/3), in order to verify the manufacturer's ability to identify the requirements of the technical regulations and carry out the necessary examinations and tests to ensure compliance of the product with these requirements.

3/8 The manufacturer shall be notified of the decision after the end of the assessment, provided that such notice include audit findings, assessment decision, along with the justifications on which the decision was based.

3/9 The manufacturer shall be committed to fulfill the obligations of the Product Safety Management System, as approved, and to maintain the system so that it remains adequate and efficient.

3/10 The manufacturer shall notify the conformity assessment body, which approved the Product Safety Management System, of any proposed modifications to the system.

3/11 The notified body shall evaluate any proposed modifications and decide whether the modified Product Safety Management System will continue to fulfill the requirements referred to in Clause (3/3) or a reassessment is necessary. The notified body shall notify the manufacturer of its decision; the notification shall include testing results along with the justifications of the assessment decision.

4 Periodic Surveillance under the Responsibility of the Notified body

4/1 The purpose of periodic surveillance is to verify the extent of which the supplier meets the obligations of the certified Product Safety Management System.

4/2 For assessment purposes, the supplier shall allow the notified body, during the validation period, to enter the manufacturing, inspection, testing and storage sites. The supplier shall provide the notified body with all necessary information, particularly, the Product Safety Management System documents and safety records, such as testing and calibration reports, and the qualification documents of relevant personnel, etc.

4/3 The notified body shall carry out periodic audit visits to verify that the manufacturer applies and maintains the Product Safety Management System, and shall provide the supplier with an audit report.

4/4 The notified body is entitled to perform unexpected visits to the factory. During such visits, the notified body may, as necessary, carry out product tests, or have them carried out by a third party, in order to verify that the Product Safety Management System is properly functioning. The notified body shall provide the supplier with an assessment report, and testing reports, in case of testing.

5 Certificate of Conformity and Declaration of Conformity

5/1 The notified body shall issue a Certificate of Conformity for the product in case the supplier has an effective and certified Product Safety Management System, upon the request of the supplier, within the validity period.

5/2 The notified body shall identify the product details in each request, clarify such details in the issued Certificate of Conformity, and record them in the electronic portal for conformity (in SASO).

5/3 The supplier shall provide a written Declaration of Conformity for each approved product type (Type Approval), and shall put it at the Regulatory Authorities and Market Surveillance Authorities disposal for a period of ten (10) years, at least, after the placement of the product in the market. The Declaration of Conformity of the supplier

shall identify the approved product type. Furthermore, a copy of the Certificate of Conformity and the Declaration of Conformity shall be submitted to the Regulatory Authorities and Market Surveillance Authorities upon request.

5/4 The supplier shall put the following documents at the Regulatory Authorities and Market Surveillance Authorities disposal, for a period of ten (10) years, at least, after placement of the product in the market:

- Documentation referred to in Clause (3/3).
- The amendments referred to in Clause (3/9), as approved.
- Decisions and reports of the notified body, referred to in Clause (3/7).

5/5 Each notified body shall inform the Regulatory Authorities and Market Surveillance Authorities of issued or withdrawn Product Safety Management System approvals, and shall periodically or upon request, provide lists of Product Safety Management System approvals that have been rejected, suspended, or restricted by any means; on a regular basis or upon request. Each notified body shall inform, upon request, the other notified bodies of Product Safety Management System approvals it has rejected, suspended, withdrawn, or restricted; and notify such bodies of Product Safety Management System approvals issued by it.



Annex No. (3)**Supplier Declaration of Conformity**

This form shall be filled in on the company's official papers.

Supplier's Data

Name: -----

Address: -----

Contact Person:

EMAIL: -----

Tel.: -----

Fax: -----

Product Details:

Product's Trademark: -----

Type: -----

Product Description: -----

Level: ----- Category: -----

Reference Standards/Technical Specifications: -----

We, hereby, acknowledge that the product abovementioned in this declaration is in conformance with the Saudi technical regulation () and the Saudi standards attached thereto.

Person in Charge: -----

Company Name: -----

Signature: ----- Date: ---/---/---