



# Guidance for Description of Scopes of Inspection

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## 0. Introduction

Accreditation is available for any type of inspection body. Typically, the scope of accreditation is identified in terms of standard inspection methods prepared by national, international, and professional standards writing bodies. The accreditation Act recognizes Ethiopian National Accreditation Office EAS is a non-profit, public service, and as the merely National Accreditation Body for the Federal Democratic Republic of Ethiopian for conformity assessment bodies, monitoring of Good Laboratories, Inspection practice, testing practice, certification practice and to provide for matters connected therewith.

The Scope(s) of Accreditation identifies the specific inspections or types of inspections for which the body is accredited. EAS acknowledges that some user organizations may choose to accept only inspections conducted by Type-A (third party or independent) bodies. It is up to such organizations to decide which accredited inspection bodies they will accept.

The general criteria used by EAS for accreditation of inspection bodies are ISO/IEC 17020:2012, Conformity assessment-Requirements for the operation of various types of bodies performing inspection.

Inspection includes the examination of materials, products, components, assemblies, cargoes and consignments, usually for compliance with specified criteria. It includes visual examination and associated work, and may be more directly focused on products. EAS staff can advise potential applicants of the appropriate field of inspection for the accreditation of their inspection activities. An inspection body which is engaged in testing, measurement or sampling work may apply for accreditation for this work concurrently with its application for accreditation for inspection.

Accreditation is based on the assessment of performance of an inspection body including procedures, staff competence and reporting. It is available to all inspection bodies including in-house services. EAS welcomes applications for the accreditation of all types and/or scopes of inspection work. A few examples of work /scopes/ for which inspection accreditation may be sought are:

Agricultural products inspection, Foods inspection, Cargoes in containers and packages, Textiles, lift inspection, pharmaceuticals, abattoirs inspection, radiation inspection, labour inspection, construction inspection, vehicles inspection, mechanical equipment inspection.

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## 1 Purpose

The EAS scope of inspection accreditation attests to an organization's competence to perform the listed inspections and is the official listing of the various inspections or types of inspections that a various inspection body has been deemed competent by EAS to perform under EAS Accreditation.

## 2 Scope

The Scope of Accreditation allows third-parties to determine the different fields and activities in which an accredited inspection body operates, including what materials or products it has been deemed competent to inspect and what approved methods it uses. Methods are specifically designated in the scope of accreditation to promote understanding that the inspection is accredited for the application of the inspection method on the designated service or inspection item.

This scope for inspection document provides EAS guidance in the application of scopes for inspection accreditation for all types of voluntary inspection.

## 3 References, Definitions and Abbreviations

### 3.1 References

ISO/IEC 17011 Conformity Assessment – General requirements for accreditation bodies accrediting conformity assessment bodies;

ISO/IEC 17020 General criteria for the operation of various types of bodies performing inspection;

ILAC P15 :2020 Application of ISO/IEC 17020:2012 for the Accreditation of Inspection Bodies

### 3.2 Definitions

3.2.1. **Technical Signatory (TS):** A person, or persons, whose competency, is declared by the organization, and confirmed by EAS, and whose signature confers validity on the organization's certificates, reports and/or results issued in terms of its EAS accreditation.

3.2.2. **Inspection body:** Body which performs the inspection

3.2.3. **Third party Inspection Agency or Inspection Agency:**

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- (a) A business entity registered or qualified to do business in the District of Ethiopia, or
- (b) A sole proprietor or individual, in either case which is approved by the Code Official to perform

Third Party Inspections and who meets the ongoing requirements to maintain that approval

### 3.2.4. **Third Party Inspections:**

3.2.5. **Building inspection:** Inspection of the construction and components of a building or structure, including load bearing and non-load bearing elements, fire-resistance ratings, accessibility, means of egress and architectural features, but excluding mechanical, electrical, plumbing, fire protection, and other systems or services.

3.2.6. **Mechanical inspection:** Inspection of mechanical components, appliances, equipment and systems in a building or structure, including energy conservation material, but excluding boilers, elevators and conveying systems.

Note that: The mechanical inspection will include, but not necessarily be limited to, a cursory examination for smooth operation, uniform and regular movement, synchronization, interlock, mounting, overheating, vibration, wear, rust, noise, slippage, engagement, applied tension, lubrication, oil levels, oil contamination, dirt accumulation, fluid pressure, leakage, alignment, clearances, chordal thickness, backlash, air pressure, whether tightness, safety and signs of distress or pending distress with regards the components / like open gearing, enclosed gearing, machinery supports and frames, bearings, shafts, couplings, fasteners, buffers, brakes, engine-generator/

3.2.7. **Abattoir;** means a slaughter facility in respect of which a registration certificate has been issued and in respect of which a grading has been determined.

**Remark:** Although not all accredited facilities use the term “Technical Signatories”, the emphasis is on those individuals whose signature confers validity on the organization’s certificates, reports and/or results issued under its EAS accreditation.

### 3.3. **Abbreviations**

EAS	Ethiopian National accreditation office
ILAC	International Laboratories accreditation cooperation
IAF	International Accreditation Forum

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- TS            Technical signatories
- IB            Inspection Bodies
- CAB        Conformity Assessment Bodies

## 4 Scoping of Accreditation for Inspection

4.1. The scope of accreditation can be identified in terms of standard methods contained in international or national standards or in inspection body developed inspection procedures and reflects the various inspections, or types of inspections that an inspection body has been deemed competent to perform under EAS Accreditation. The scope for which the inspection body has been accredited is published in either a fixed format, as described in this Guidance Document, or in a flexible format as covered by GD.

4.2. The scope can also identify the materials and/or products on which the inspections are being performed, and the specific methods/specifications/ in-house methods that apply to the accredited inspections.

## 5 Methods reflected on an Inspection Body Scope of Accreditation

5.1. The following items shall, as appropriate to a specific inspection body, be reflected on their schedule of accreditation in the order of preference as indicated:

- i) International or nationally accepted standard methods that are developed and published by a recognized standards body or other competent/experienced body;
- ii) Methods generally accepted as a standard method by an industry sector;
- iii) Methods published in national or international scientific literature; or
- iv) Methods developed ‘in-house’ by the inspection bodies.

5.2. An inspection body shall demonstrate its competency to meet all of the technical requirements included in a method.

5.3 Exclusions to methods may only be included on an inspection body’s scope of accreditation when the method contains multiple methods or method options and the inspection body is only capable of performing a portion of these methods or method options. The scope shall clearly indicate these ‘exclusions’.

5.4. If the method is developed ‘in-house’ (see 4.1 section iv), includes references to one or more standard or published method and the inspection body wishes to reflect such references on the scope of accreditation, the Inspection body must be specify to which

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parts the in-house method conforms. Such claims must be included in the application for accreditation so that a subsequent assessment can determine the appropriateness of the link to referenced methods.

- 5.5. If the inspection body is using non-standard methods, such methods must be appropriate and fully documented. Accreditation of non-standards shall occur only after a detailed examination by an EAS assessor and shall be referenced in the scope of the Inspection Body scope by unambiguous identification. EAS may refuse to consider accreditation for proprietary inspection methods, if there is not sufficient accessibility to the method, records, equipment, facilities and/or witnessing of the inspection.
- 5.6. When accredited inspection methods are being revised, amended or updated, the inspection body is allowed to amend and use these methods in agreement with their customer and without prior approval from EAS provided that:
- i) The method is not materially different in technique in terms of equipment used or competencies required;
  - ii) The method's measurement range or measurement uncertainty is not significantly expanded beyond that which was originally assessed; and
  - iii) The material /product type or sample matrix covered by the scope remains the same.
- 5.7. When update of accredited methods results in a change of technique, or the required competencies, the inspection body shall apply to EAS indicating the extent and nature of the change with supporting documentation. EAS will review and advise as to whether:
- i) The proposed update is acceptable and the scope will be changed;
  - ii) Further documentation is required for a desk-top evaluation; or
  - iii) An on-site assessment is required before a decision can be made.
- 5.8. If an inspection body desires accreditation for a superseded version of a standard method, the date of the version used shall be identified in its scope of accreditation. When the date is not identified in the scope of accreditation, inspection bodies are expected to be competent in the use of the current version within one year of the date of publication of the standard method. If an inspection body requests accreditation to a withdrawn and/or cancelled method(s), the scope shall include the date that these methods were withdrawn or cancelled and include a footnote clarifying that the method itself has been withdrawn or cancelled.

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## 6 Technical Signatories

6.1. Technical Signatories have overall responsibility for the technical outputs from specified, accredited inspections. They shall be assessed regarding their competence in ensuring that the reports and associated results accurately reflect the requirements contained in the scope of accreditation and associated methods.

## 7 Equipment reflected on the Scope of Accreditation

7.1 Where an inspection method is open to interpretation depending on the equipment used, the scope of inspection accreditation shall include the type of equipment associated with the method

## 8 Scope of Accreditation Activities

8.1. EAS may use the following descriptors when drawing up a scope of accreditation for an inspection body. They are offered as guidelines only. In many cases an inspection body may require more specific coverage. In all cases the application for accreditation shall be reviewed by EAS to ensure that any subsequent assessment is technically appropriate. Whatever descriptors are used in the Accreditation Scope, EAS shall ensure that it has access to necessary technical capability and expertise to competently assess the proposed Scope of Accreditation.

8.2. Typical fields for which EAS could offer accreditation for inspection bodies include:

- A. Agricultural products inspection
- B. Foods inspection
- C. Lifts and lifting mechanisms
- D. Cargoes in containers and packages
- E. Vehicle inspection
- F. Pharmaceuticals
- G. Building products and constructions
- H. Abattoirs inspection
- I. Radiation inspection
- J. Labour Inspection
- K. Mechanical equipment
- L. Textile, leather and clothing inspection

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### Annex A: Categorization of Scopes

Field of Inspection	Items/Discipline	Parameter/Type of Inspection	Material/Product Tested / Specification
Agricultural Products inspection	Oilseeds	Grading	Livestock Crops Grain products Cotton & wool Others
	Pulses	Moisture	
	Cereals	Sampling	
Food Items Inspection	Feed production		Animal feed, fish feed
	Catering		Hotels, restaurants
	Distribution		Retail outlets, shops, wholesalers
	Transport and Storage		Transport and storage
	Farming 1 (Animals)		Animals, fish, egg production, milk production, fishing
	Farming 2 (Plants)		Fruits, vegetables, grains, spices, Horticulture products
	Processing 1 ( perishable animal products)		Meat, egg
	Processing 2 ( Perishable fruit & vegetable products)		Fresh fruits & fruit juices, preserved fruits, fresh vegetables, preserved vegetables
Processing 3 ( products with long shelf life at ambient temperature		Canned products, biscuits, snacks, oils, drinking water, beverages, pasta, flour, sugar, salt, oils& fats and food ingredients	
Pharmaceuticals inspection	<ul style="list-style-type: none"> <li>-Security</li> <li>-Storage conditions</li> <li>-Availability of ancillary items</li> <li>-General observations</li> <li>-Product Labelling</li> <li>- Availability of reference materials</li> <li>Record keeping and documentation</li> <li>-Sample collection for further testing</li> </ul>		
Lift Inspection	Lifted Equipment /Escalators	Final inspection	Elevator Operation, Maintenance and Periodical Control Regulation The Communiqué In Respect Of Type A Inspection Bodies Which Will Authorized For Elevator Periodical Controls
	Motorized & static ladders/NAVAL/	Inspection prior to use	
	Fork lifts	Individual lift-verification	
	Goods Lift		
	Tower Cranes	Inspection in use	
Chain/Construction Hoists/			



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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Rigging</td> <td rowspan="4" style="width: 50%; text-align: center;">Regular control</td> <td rowspan="4" style="width: 50%; vertical-align: top;">Suspended Access Equipment</td> </tr> <tr> <td>Marine lifting Arms</td> <td style="text-align: center;">Extraordinary control</td> <td style="vertical-align: top;">Vehicle Lift</td> </tr> <tr> <td>Overhead Crane</td> <td style="text-align: center;">In-service inspection</td> <td style="vertical-align: top;">Electrically Driven Hydraulic Driven</td> </tr> <tr> <td>Offshore Cranes /components</td> <td style="text-align: center;">Periodic Controls</td> <td></td> </tr> </table>	Rigging	Regular control	Suspended Access Equipment	Marine lifting Arms	Extraordinary control	Vehicle Lift	Overhead Crane	In-service inspection	Electrically Driven Hydraulic Driven	Offshore Cranes /components	Periodic Controls			
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Building & construction Materials and Products inspection	<ul style="list-style-type: none"> <li>-Roofing systems</li> <li>-Heating &amp; cooling systems</li> <li>-Electrical systems</li> <li>-site development systems</li> <li>-structure systems</li> <li>-Exterior &amp; interior non structural systems</li> <li>-plumbing fixtures &amp; piping systems</li> <li>-Life&amp; fire safety systems</li> <li>-Conveyance and Elevators systems</li> <li>-Site reconnaissance</li> <li>-Water heaters</li> <li>-Built-in appliances</li> <li>-Accessible Crawlspace/Attic</li> <li>-Insulation</li> <li>-Ventilation &amp; air conditioning</li> </ul>	Verification of new constructions	<ul style="list-style-type: none"> <li>Valves &amp; fittings,</li> <li>PE pipes, waterworks</li> <li>• Underground conduits</li> <li>• Steel fabricated structures and assemblies</li> <li>• Concrete structures</li> <li>• Fire protection equipment</li> <li>• Playground equipment</li> <li>• Others</li> <li>.Adequate Design</li> <li>.Proper maintenance</li> </ul>												
Textile, leather, Footwear and clothing	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Hand-made textile floor mats</td> <td rowspan="4" style="width: 50%; text-align: center;">Inspection of packaging, Labelling and marking. Qualitative inspection</td> <td rowspan="4" style="width: 50%;"></td> </tr> <tr> <td>Machine-made textile floor mats</td> </tr> <tr> <td>Textile floor mat and machine or hand-made carpets</td> </tr> <tr> <td>Electrical Installation Control</td> </tr> <tr> <td>Grounding Measurements</td> <td></td> <td></td> </tr> </table>	Hand-made textile floor mats	Inspection of packaging, Labelling and marking. Qualitative inspection		Machine-made textile floor mats	Textile floor mat and machine or hand-made carpets	Electrical Installation Control	Grounding Measurements							
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Machine-made textile floor mats															
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Labour inspection	<ul style="list-style-type: none"> <li>-Number of employees of organization</li> <li>-turnover, size</li> <li>-Health &amp; safety conditions &amp; welfare facilities</li> </ul>	<ul style="list-style-type: none"> <li>-the complaints sent by particulars</li> <li>-the program organized by country</li> </ul>	<ul style="list-style-type: none"> <li>-consumer co-operatives</li> <li>-land improvement co-operatives</li> <li>-Agricultural productive and processing co-operatives</li> <li>- rural supply co-operatives</li> </ul>												

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	<ul style="list-style-type: none"> <li>-Fundamental labour rights &amp; discrimination</li> <li>-Accident investigation</li> <li>-Social Dialogue &amp; industrial relations issues, as monitoring of collective agreements</li> <li>-Employment of children &amp; young person &amp; other workers with special needs</li> <li>-control of payment of social security contributions</li> <li>Employment matters</li> </ul>		<ul style="list-style-type: none"> <li>-agricultural marketing co-operatives</li> <li>-fishery co-operatives</li> <li>-service co-operatives</li> <li>-handcrafts co-operatives</li> <li>-workers' productive co-operatives</li> <li>-labour contracting co-operatives</li> <li>-housing co-operatives</li> <li>-transport co-operatives</li> <li>-Thrift &amp; credit societies &amp; banks</li> <li>-Insurance and health co-operatives</li> </ul>
Radiation Inspection	<ul style="list-style-type: none"> <li>Diagnostic/ industrial</li> <li>Radiotherapy</li> <li>Nuclear Medicine</li> <li>Diagnostic X-ray</li> <li>transport of radioactive</li> <li>Dental &amp; distributer</li> <li>Veterinary</li> <li>The Licensees</li> </ul>		<ul style="list-style-type: none"> <li>Protection of persons arising from ionizing radiation</li> <li>Medical Distributor</li> <li>Manufacturer</li> <li>Industrial /State Sector</li> <li>Material Security and Control</li> <li>Area Surveys</li> </ul>
Cargoes inspection	<ul style="list-style-type: none"> <li>-intermodal</li> <li>-Hazardous materials</li> <li>-spotted equipment</li> <li>-Import &amp; Export freight</li> <li>-storage and Demurrage</li> <li>- packaging and loading</li> <li>- insurance Surcharge</li> <li>- Reconsignment</li> <li>-Tracking and tracking</li> <li>-loading and Unloading</li> <li>-weight</li> <li>-Permits</li> <li>-storage charge Advances</li> </ul>		
Mechanical Equipment inspection	<ul style="list-style-type: none"> <li>-Design review</li> <li>-Material Verification</li> <li>-welding Operations</li> <li>-Dimensional accuracy</li> <li>-Visual Inspection</li> </ul>		
Abattoirs inspection	<ul style="list-style-type: none"> <li>-Ante-mortem inspections</li> <li>-post-mortem inspection</li> <li>-examination of carcasses</li> <li>-examination of incoming and outgoing carcasses</li> <li>- provision of secondary meat inspection by a veterinarian</li> <li>-poultry abattoirs</li> </ul>	<ul style="list-style-type: none"> <li>- verification of abattoir hygiene management system</li> </ul>	<ul style="list-style-type: none"> <li>- processing plants and cold stores</li> <li>- export approved cutting plant</li> <li>- import approved cold stores</li> <li>-Monitoring of the slaughter Processes</li> </ul>

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1	2018-10-16	This document was revised because of the new standard ISO/IEC 17011:2017
1.1	2021/05/17	<p>Separate purpose and Scope</p> <p>Removed reference IAF MD1:2018 IAF Mandatory Document for the Audit and Certification of a Management System Operated by a Multi-Site Organization and IAF MD IAF mandatory document from abbreviation which is not applicable for inspection</p>
1.2	2022-05-10	The document is revised due to the name Ethiopian National Accreditation Office (ENAO) change to Ethiopian Accreditation Service (EAS) and new logo developed.
1.3	2023-02-07	<ul style="list-style-type: none"> <li>• Correction done on page 1 that, this document was prepared by Meseret Tessema replaced by Zewdu Ayele (new quality manager).</li> <li>• Former director general was resigned and replaced by Mrs. Meseret Tessema.</li> </ul>

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