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Clean cookstoves and clean cooking solutions — Guidance for evaluation

Fourneaux et foyers de cuisson propres — Guide d'évaluation

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 285, *Clean cookstoves and clean cooking solutions*.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

The significance of standardization in the cookstove sector is well established. In addition to the documents published by ISO, there are many other "evaluation instruments" in existence throughout the world, covering different aspects of clean cookstoves and clean cooking solutions. These various evaluation instruments (standards, protocols, test methods, etc.) serve a multitude of purposes by examining a range of different metrics.

Determining the pros and cons of each evaluation instrument can be challenging. To address this gap, this document provides guidelines to assist in assessing and identifying which evaluation instrument is most appropriate to address the specific needs of a particular situation. This guidance is intended to better inform stakeholders in order to ensure that the end product is fit for purpose in a holistic sense.

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Clean cookstoves and clean cooking solutions — Guidance for evaluation

1 Scope

This document provides guidance for examining evaluation instruments that assess cooking systems. The goal is to ensure that a cooking system evaluation instrument achieves its objectives and is fit for a particular purpose. Doing so means recognizing that the stove is one part of a series of complex and interacting systems, many of which are variable.

The document includes procedures to ensure that:

— an evaluation instrument captures the necessary input measures at an appropriate level of detail and quality;

— outputs from the evaluation instrument are accurate, repeatable, reproducible, and appropriate for assessing the stated outcome.

The document also provides guidance to interpret the outputs of an evaluation instrument when reporting. The document does not specify test methods nor recommend pre-determined procedures or benchmarks of performance (also known as tiers).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/TR 21276, *Clean cookstoves and clean cooking solutions — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/TR 21276 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
cooking system
combination of *cookstove* (3.2), fuel, cooking equipment, cooking environment (including *ventilation* (3.16)) and cooking practice

[SOURCE: ISO/TR 21276:2018, 3.5.4]

3.2
cookstove
appliance primarily employed for the cooking of food, but which can also be employed for space or water heating, or other purposes

[SOURCE: ISO/TR 21276:2018, 3.1.7]

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