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Report of pilot testing on the application of ISO smart community infrastructures standards

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National foreword

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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This document was prepared by Technical Committee ISO/TC 268, *Sustainable cities and communities*, Subcommittee SC 1, *Smart community infrastructures.*

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Introduction

ISO/TC 268/SC 1 identifies the best pilot cities on a global scale by continuously selecting cities to standardize SC 1 in subsequent smart city infrastructure. It provides guiding suggestions for the development of smart cities, provides reference and helps for the construction of international smart cities, reversely puts the results formed by standards into practice in cities and ensures that the development of smart cities reaches the level of performance they deserve.

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Report of pilot testing on the application of ISO smart community infrastructures standards

1 Scope

This document provides information on the results of pilot city testing of several ISO smart community infrastructures standards.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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

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

3.1
data exchange
accessing, transferring and archiving of data

[SOURCE: ISO 37156:2020, 3.3.5]

3.2
data sharing
providing shared, exchangeable and extensible data to enable community infrastructure

[SOURCE: ISO 37156:2020, 3.3.6]

3.3
smart community infrastructure
community infrastructure with enhanced technological performance that is designed, operated and maintained to contribute to sustainable development and resilience of the community

[SOURCE: ISO 37100:2016, 3.6.2, modified — Notes to entry removed.]

4 General

4.1 Overview

4.1.1 How to succeed in testing smart community international standards in cities

Smart community international standards, which are combined with the current situation and development goals of local smart community construction, can promote the establishment of local characteristics of a smart community performance evaluation system (EVA), and guide and supervise the local smart community construction results. The correctness, completeness and implementation of the contents of international standards can be verified through specific projects in the construction content and construction practice. At the same time, the standards can get pilot testing feedback

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