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Australian STANDARD®

STANDARDS Australia

Smart city standards inventory and mapping

Part 2: Standards inventory



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Essential Energy
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Preface

This Standard was prepared by the Standards Australia Committee IT-269, Smart Cities Systems.

The objective of this document is to provide the catalogue and list of smart city related standards, either existing or under development in IEC and other standards development organizations.

This document is identical to, and has been reproduced from, IEC SRD 63233-2:2023, *Smart city standards inventory and mapping — Part 2: Standards inventory.*

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This document contains an attached file that is cited in Clause 4. This file can be downloaded from https://www.iec.ch/sycsmc/supportingdocuments.

The text of this Systems Reference Deliverable is based on the following documents:

Draft	Report on voting
SyCSmartCities/264/DTS	SyCSmartCities/274/RVDTS

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Full information on the voting for the approval of this systems reference document can be found in the report on voting indicated in the above table.

The language used for the development of this Systems Reference Deliverable is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC SRD 63233 series, published under the general title *Smart city standards inventory and mapping*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

At present, several standards organizations around the world are developing standards for smart cities, but they focus on different aspects of cities. Because a smart city needs a long-term investment, it should provide stakeholders with many standard views with different perspectives as the basis for future investments.

This document is Part 2 of the IEC SRD 63233 series on smart city standards inventory and mapping. Part 1 provides the methodology for inventory and mapping of standards. Part 4 providing guidance on standards for public health emergencies, and Part 3 designed as a standards map are under development.

This document provides a catalogue of the identified standards related to the smart city system according to the criteria specified in IEC SRD 63233-1. This catalogue, as a database or inventory, can provide users with a function to search the smart city-related standard information with the hyperlinks to the searched standards. The inventory of Smart City standards includes not only the existing standards but also those under development officially registered in standards development organizations (SDOs). The inventory is comprehensive, and it provides an overview of each standard catalogued. The users (e.g. designers and implementers of smart cities) can use this inventory to select an appropriate set of standards for their design and implementations.

The standards inventory (the file for the standards inventory linked in 4.3) is available online. It will be maintained and updated regularly.

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Smart city standards inventory and mapping

Part 2: Standards inventory

1 Scope

This part of IEC SRD 63233, which is a Systems Reference Deliverable, provides the catalogue and list of smart city related standards, either existing or under development in IEC and other standards development organizations.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

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

- IEC Electropedia: available at https://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp

4 Access to the smart city standards inventory

4.1 General

The smart city standards inventory table is a Microsoft Excel®[1] file. The table is stored in a specific IEC repository accessible online.

The following worksheets are in the inventory Excel file.

– How to search standards: this worksheet illustrates the methods for searching standards of interest.

– Smart city standards inventory: this worksheet has the list of standards with standard number as identifier. Each row is assigned to a standard and each column is assigned with "x" to an aspect of smart city standards.

4.2 Standards catalogue for smart cities in this inventory

Smart city standards are identified and listed following the criteria in IEC SRD 63233-1:2022, 5.1.2. When categorizing the smart city standards, the basic principles in IEC SRD 63233-1:2022, 5.2.1 are considered, as well as other related references in the Bibliography.

Table 1 shows the standardization aspects that are identified by the needs of stakeholders in smart cities. Figure 1 is established based on Table 1 and used as a conceptual model to derive the standards catalogues for smart cities.

[1] Excel is the trademark of a product supplied by Microsoft Corporation. This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of the product named.

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