

SYSTEMS REFERENCE DELIVERABLE



Smart city standards inventory and mapping –
Part 4: Guidance on standards for public health emergencies



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**Smart city standards inventory and mapping –
Part 4: Guidance on standards for public health emergencies**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SMART CITY STANDARDS INVENTORY AND MAPPING –**Part 4: Guidance on standards for public health emergencies**

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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/syccsmartcities/supportingdocuments>.

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

Draft	Report on voting
SyCSmartCities/318/DTS	SyCSmartCities/330/RVDTS

Full information on the voting for its approval 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/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- withdrawn, or
- revised.

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INTRODUCTION

Public health emergencies (PHE) refer to major infectious disease outbreaks, mass diseases of unknown causes, major food and occupational poisonings, and other events that seriously affect public health that occur suddenly and cause or can cause serious damage to public health. The International Health Regulations came into force in 2007 to manage global health emergency measures. The purpose and scope of the "Regulations" is to prevent, resist and control the international spread of diseases, and to provide public health response measures in an appropriate way to address public health risks while avoiding unnecessary interference with international traffic and trade. At 20:30 local time on 30 January 2020, World Health Organization (WHO) Director-General Tan Desai announced in Geneva that a new coronavirus pneumonia epidemic constituted a "PHEIC" (Public Health Emergency of International Concern). This PHEIC impacted each aspect of cities and each person's life all over the world. Cities including managers and citizens took necessary actions to protect life and health and tried to carry on normal life and work. In this process, standards played an important role.

This document gives guidance on identifying and mapping standards for public health emergencies following the methodology of IEC SRD 63233-1:2022.

A database with structured PHE relevant standards (see 4.2) is given for easy view by users for epidemic prevention and control of public health emergencies, deployment of medical facilities and equipment and maintaining city service continuity. The PHE standard catalogue structure is aligned with that in IEC SRD 63233-2:2023.

SMART CITY STANDARDS INVENTORY AND MAPPING –

Part 4: Guidance on standards for public health emergencies

1 Scope

This part of IEC SRD 63233 provides guidance on public health emergencies (PHE) standards inventory and mapping following the methodology in IEC SRD 63233-1. It guides the identification and categorization of relevant standards for epidemic prevention and control and a database with catalogued standards is also given for easy use by cities.

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.

IEC SRD 63233-1:2022, *Smart city standards inventory and mapping – Part 1: Methodology*

3 Terms and definitions

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

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>

3.1 event

occurrence or change of a particular set of circumstances

Note 1 to entry: An event can be one or more occurrences, and can have several causes and several consequences.

Note 2 to entry: An event can also be something that is expected which does not happen, or something that is not expected which does happen.

Note 3 to entry: An event can be a risk source.

[SOURCE: ISO 31000:2018, 3.5]

3.2 emergency

sudden, urgent, usually unexpected occurrence or event requiring immediate action

Note 1 to entry: An emergency is usually a disruption or condition that can often be anticipated or prepared for, but seldom exactly foreseen.

[SOURCE: ISO 22300:2021, 3.1.87]