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Information technology — City service platform for public health emergencies —

Part 1: Overview and general requirements

Technologies de l'information — Plateforme de services urbains pour les urgences en matière de santé publique —

Partie 1: Aperçu et exigences générales

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Foreword

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Introduction

Public health emergencies, particularly those caused by infectious diseases such as the COVID-19 pandemic, have unprecedented impacts on the social and economic aspect of many cities. A Public Health Emergency of International Concern (PHEIC) is a formal declaration by the World Health Organization (WHO) of "an extraordinary event which is determined to constitute a public health risk to other States through the international spread of disease and to potentially require a coordinated international response".[6]

Information technology can provide significant support in expanding city capacities to respond to such public health emergencies, in particular by providing capabilities to coordinate data, services and applications across operational domains for multiple stakeholders in smart cities.

Smart city applications can be classified into two groups: domain-specific applications and cross-domain applications. In a public health emergency scenario, various information and services are provided via different channels from different sources. It would be more convenient and simpler for users to have a single hub which can provide all necessary services at the application layer.

This document introduces a city service platform as a single hub for public health emergencies.

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Information technology — City service platform for public health emergencies —

Part 1:
Overview and general requirements

1 Scope

This document specifies the general requirements for a city service platform for public health emergencies. It also specifies the requirements in terms of data, functions, security and privacy protection.

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/IEC 27701, *Security techniques — Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management — Requirements and guidelines*

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