

INTERNATIONAL
STANDARD

ISO/IEC
24039

First edition
2022-06

**Information technology — Smart city
digital platform reference architecture
— Data and service**



Reference number
ISO/IEC 24039:2022(E)

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Published in Switzerland

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Foreword

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Introduction

Smart city digital platforms (SCDPs) aim to form a pragmatic development of information technology foundations that enable the integration of urban services. SCDPs are part of the digital transformation in urban infrastructure and services that is being driven by the deployment of the internet of things (IoT), artificial intelligence (AI), cloud computing, big data and digital twin solutions, and other digital technologies.

An SCDP is a space where different applications can share fundamental common resources and functions. It provides an interface to integrate a city's digital and physical infrastructure. It also provides integrated capability to coordinate data, services and applications across operational domains for multiple stakeholders in smart cities.

An SCDP is intended to help to break down the traditional system silos of a city by bringing connections between them. It looks beyond sectoral silos to reimagine existing systems, enable new processes and interactions, and migrate towards new forms of service delivery. The digital capabilities provided by SCDPs aim at connecting things, connecting data and connecting innovation. These capabilities are key criteria for enabling cities to build partnerships to ensure their economies, environment and services are fit for the future.

Information technology — Smart city digital platform reference architecture — Data and service

1 Scope

This document specifies the reference architecture of smart city digital platforms (SCDPs), with a focus on supporting access to data and services for applications in smart cities.

2 Normative references

There are no normative references in this document.