



Smart City Reference Framework

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China National Smart City Standardization General Working Group
12 Nov., 2020, Smart City Workshop, Web3D

Content

1. Smart City ICT Standards
2. Smart City ICT Reference Framework
3. TF Implementation Programmes and Use Case



Smart City ICT standards



JTC 1/WG 11

Secretariat China

Convenor:

Qian Heng qianheng@sdis.cn

Secretary: liutl@cesi.cn

Liu Tangli

Scope

International standardization on smart cities in the area of ICT

<http://isotc.iso.org/livelink/livelink?func=ll&objId=17573020&objAction=browse&viewType=1>

SMCSTD

JTC 1/WG 11

30 P members; 153 experts; 12 registered liaison representatives

Australia (SA)	Austria (ASI)	Canada (SCC)	China (SAC)	Denmark (DS)	Finland (SFS)	France (AFNOR)
Germany (DIN)	India (BIS)	Italy (UNI)	Ireland (NSAI)	Israel (SII)	Japan (JISC)	Korea (KATS)
Luxemburg (ILNAS)	Malaysia (DSM)	Mexico (DGN)	Netherland (NEN)	New Zealand (NZSO)	Russia (GOSTR)	Saudi Arabia (SASO)
Singapore (SPRING SG)	Slovenia (SIST)	Spain (UNE)	South Africa (SABS)	Sweden (SIS)	Switzerland (SNV)	USA (ANSI)
IEC	Belgium (NBN)					

S M C S T D

ISO/IEC 3014X Series

Technology, data, process

TF Urban Operating System

TF Implementation Programmes
and Use Case

ISO/IEC 30145-1 Smart city
business process framework

ISO/IEC 30145-2 Smart city
knowledge management framework

ISO/IEC 30145-3 Smartcity
engineering framework

ISO/IEC
30146
Smart
City

**ISO/
IEC
3014X**



34 RESULTS FOUND (1 MS)

© ISO/IEC 30145-3:2020 INFORMATION TECHNOLOGY — SMART CITY ICT REFERENCE FRAMEWORK — PART 3: SMART CITY ENGINEERING FRAMEWORK

This document describes a framework, structured in layers of ICT technologies, essential for smart cities' operation. This framework also provides the mapping of the ICT techniques to various system entities in order to support the smart city's business, knowledge management, and operational systems from the ...

© ISO/IEC 30145-2:2020 INFORMATION TECHNOLOGY — SMART CITY ICT REFERENCE FRAMEWORK — PART 2: SMART CITY KNOWLEDGE MANAGEMENT FRAMEWORK

This document specifies a generic knowledge management framework for a smart city, focusing on creating, capturing, sharing, using and managing smart city knowledge. It also gives the key practices which are required to be implemented to safeguard the use of knowledge, such as interoperability of heterogeneous ...

© ISO/IEC DIS 30145-1 INFORMATION TECHNOLOGY — SMART CITY ICT REFERENCE FRAMEWORK — PART 1: SMART CITY BUSINESS PROCESS FRAMEWORK [UNDER DEVELOPMENT]



Content

1. Smart City ICT Standards
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Framework
3. TF Implementation
Programmes and Use Case



Smart City ICT Reference Framework



ISO/IEC 30145

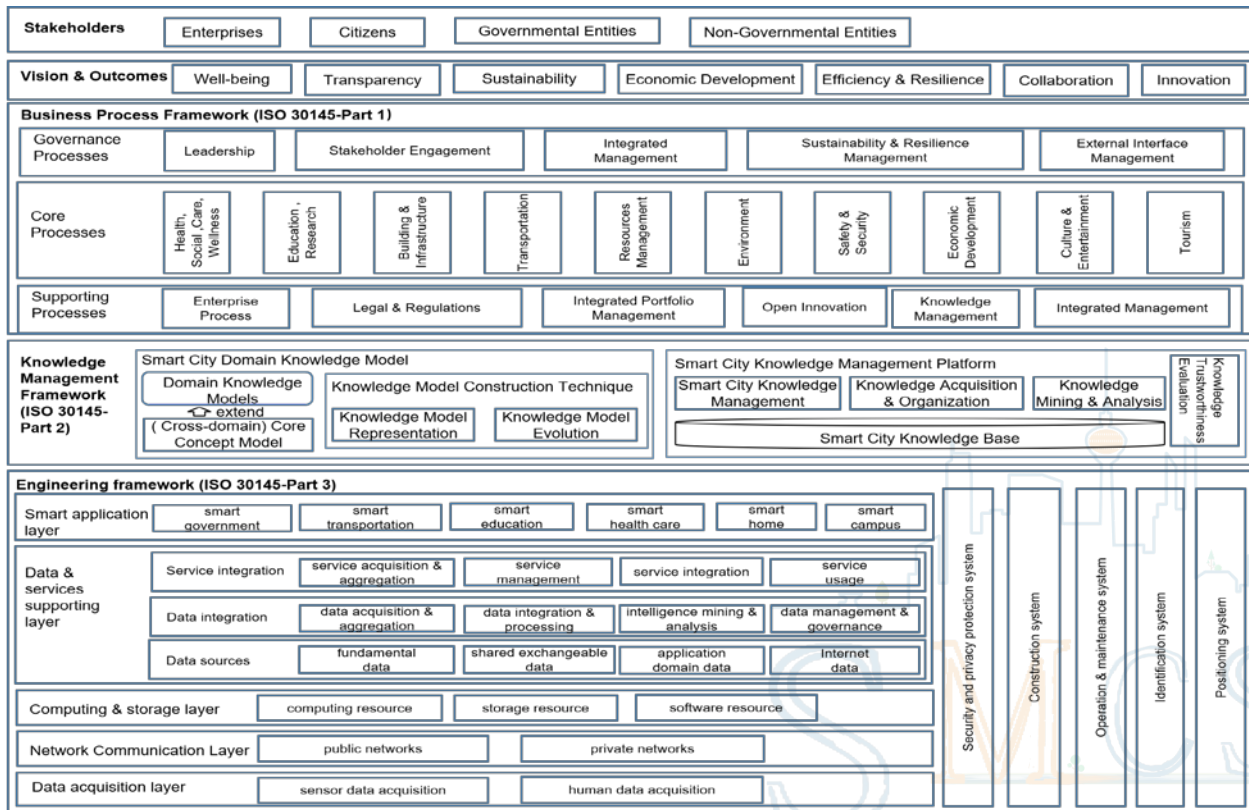
The purpose of this International Standard, *Smart city ICT reference framework*, is to assist city chief information officers (CIO) and other stakeholders in planning and implementing a smart city. It comprises the following three parts:

- *Part 1: Smart city business process framework*
- *Part 2: Smart city knowledge management framework*
- *Part 3: Smart city engineering framework*

Each of the three parts is aimed at a different role or viewpoint within the city and thus separate focus needs to be maintained. The "separation of concerns" is a principle for the development of a city as it uses ICT to deliver the vision and objectives for the city. The value of using the separation of concerns is to simplify development and maintenance of the architecture as the city both develops and delivers improved outcomes for the city stakeholders.



ISO/IEC 30145



ISO/IEC 30145-3

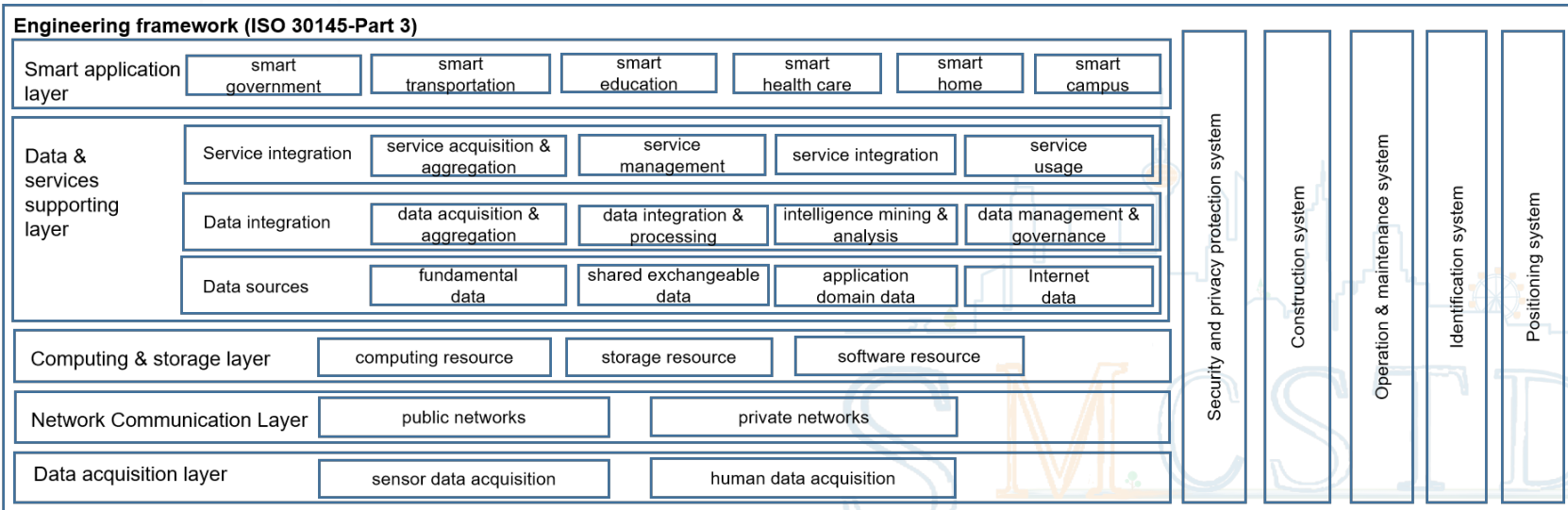
ICS 13.020 > 13.020 > 13.020.20

ISO/IEC 30145-3:2020

Information technology – Smart City ICT reference framework – Part 3: Smart city engineering framework

ABSTRACT [PREVIEW](#)

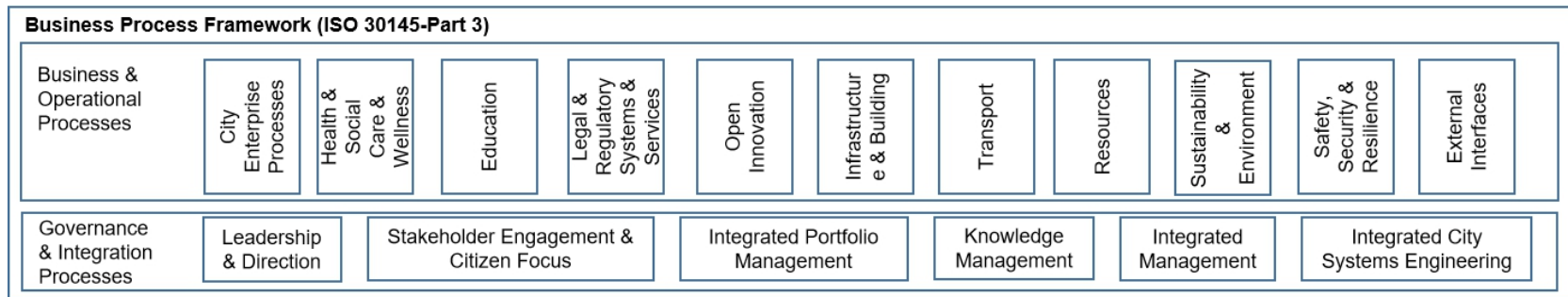
This document describes a framework, structured in layers of ICT technologies, essential for smart cities' operation. This framework also provides the mapping of the ICT techniques to various system entities in order to support the smart city's business, knowledge management, and operational systems from the engineering perspective.



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30145-1 Implementation



领导力

项目集成管理

利益相关方参与度

城市集约管理

城市综合系统工程

知识管理

智慧城市企业流程

智慧城市法律法规服务

开放创新平台

智慧城市资源管理

环境可持续发展

安全保障和恢复力外部智慧接口

30145-1 Implementation

Leadership Governance

The Smart City Leadership and Governance process takes a high-level overall view of a city. Taking advantage of novel ICT technologies, the city leaders should have a clearer overall longer term view of the city management and governance by the use of novel technologies.

城市领导力是指，综合不同部门的职能来实现城市的总体规划、通过跨部门合作提高效率

Project

Technology

Solution

Leadership Governance

Law & Regulation

System

Internal Policy



30145-1 Implementation

感谢您能抽出几分钟时间来参加本次答题，现在我们就马上开始吧！

1. 你部认为当前企业智慧城市愿景是什么： *

2. 城市领导力是指，综合不同部门的职能来实现城市的总体规划、通过跨部门合作提高效率，请问贵部针对城市领导力采取过下列哪些信息最新的技术手段： *

- 云计算
- 物联网
- 大数据
- 人工智能
- 区块链
- 边缘技术



30145-1 Implementation

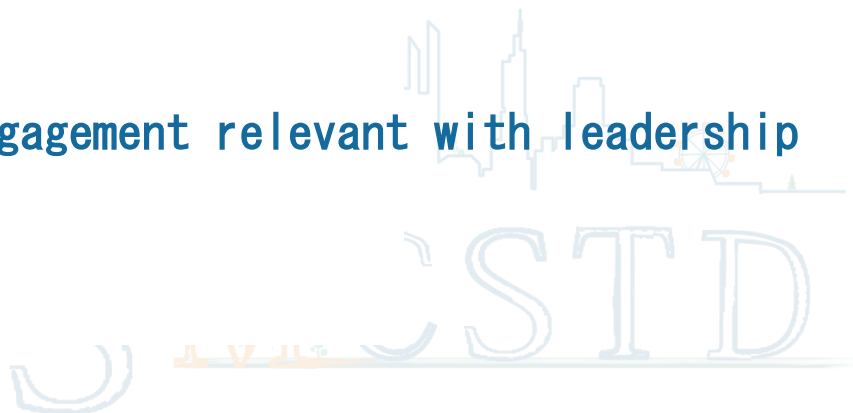
感谢您能抽出几分钟时间来参加本次答题，现在我们就马上开始吧！

1. 你认为当前企业智慧城市愿景是什么： * **What is the smart city vision from your perspective**

2. 城市领导力是指，综合不同部门的职能来实现城市的总体规划、通过跨部门合作提高效率，请问贵部针对城市领导力采取过下列哪些信息最新的技术手段： *

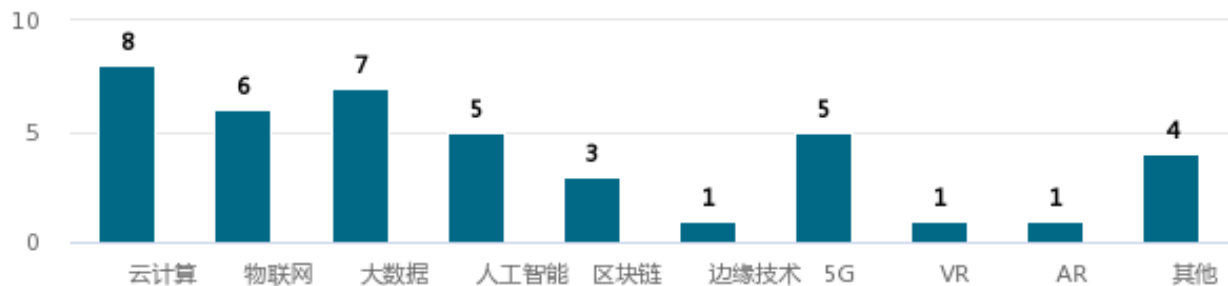
- 云计算
- 物联网
- 大数据
- 人工智能
- 区块链
- 边缘技术

Novel technology engagement relevant with leadership



30145-1 Implementation

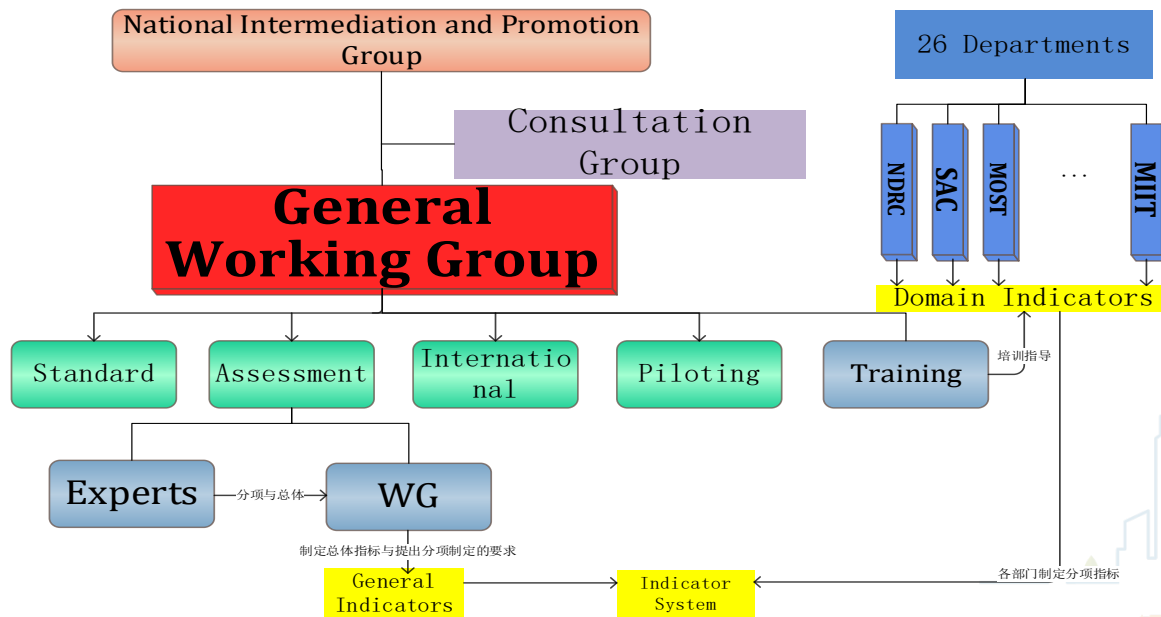
城市领导力是指，综合不同部门的职能来实现城市的总体规划、通过跨部门合作提高效率，请问贵部针对城市领导力采取过下列哪些信息最新的技术手段
答题人数 14



S M C S T D

General working group of smart cities in China

Mechanism



国家标准化管理委员会办公室文件

标委办工二〔2014〕33号

国家标准委办公室关于成立国家智慧城市 标准化协调推进组、总体组 和专家咨询组的通知

国家发展和改革委员会、科技部、工业和信息化部、公安部、国土资源部、住房和城乡建设部、交通运输部、农业部办公厅，各有关单位：

为加强我国智慧城市标准化工作的统筹规划和协调管理，经国家发展改革委、科技部、工业和信息化部、住房和城乡建设部等有关部门，现决定成立国家智慧城市标准化协调推进组、国家智慧城市标准化总体组和国家智慧城市标准化专家咨询组，共同推动有关工作，其职责如下：

国家智慧城市标准化协调推进组：统筹规划和协调指导智慧

180+members

National Standardization General Working Group on Smart City

Established in 2014, National Level: Strategy, Standard System, Evaluation, Intermediation



Thanks!



Wechat

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com

