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SERIES Y: GLOBAL INFORMATION
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS,
NEXT-GENERATION NETWORKS, INTERNET OF
THINGS AND SMART CITIES

Internet of things and smart cities and communities –
Requirements and use cases

Requirements of sensing and data collection system for city infrastructures

Recommendation ITU-T Y.4216

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Recommendation ITU-T Y.4216

Requirements of sensing and data collection system for city infrastructures

Summary

Recommendation ITU-T Y.4216 provides the concept and classification of basic city infrastructures. The sensing and data collection system of a city infrastructure is also described.

City infrastructures are taken into consideration in building smart cities such as energy, transportation, healthcare, cultural, sports and educational infrastructures. This Recommendation identifies these infrastructures and provides the functions and requirements of sensing and data collection system for those city infrastructures. The sensing and data collection system provides a unified management of the sensing devices attached to various city infrastructures.

This Recommendation is also helpful for cities to build smart cities by improving upon the efficiency and resilience of a city infrastructure through the information and communication technology (ICT).

History

Edition	Recommendation	Approval	Study Group	Unique ID*
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* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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