

Recommendation

ITU-T Y.4505 (08/2024)

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 –
Frameworks, architectures and protocols

Minimal interoperability mechanisms for smart and sustainable cities and communities

ITU-T Y-SERIES RECOMMENDATIONS

Global information infrastructure, Internet protocol aspects, next-generation networks, Internet of Things and smart cities

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Recommendation ITU-T Y.4505

Minimal interoperability mechanisms for smart and sustainable cities and communities

Summary

Recommendation ITU-T Y.4505 defines the concept, purpose, and structure of minimal interoperability mechanisms (MIMs) that provide the requirements for implementing minimal but sufficient capabilities needed to achieve interoperability based on a minimal common ground.

The value of this approach is becoming widely recognised and several organisations and national and regional agencies are showing interest in the development of MIMs covering a range of different topics.

History *

Edition	Recommendation	Approval	Study Group	Unique ID
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Keywords

Connectors, interoperability, MIM structure, minimal interoperability mechanisms (MIM), pivotal points of interoperability.

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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