

Recommendation

ITU-T Y.4490 (11/2023)

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

Framework of water supply system monitoring for smart fire protection

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

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Recommendation ITU-T Y.4490

Framework of water supply system monitoring for smart fire protection

Summary

Smart fire protection is important in smart cities. It ensures the safety of people's lives and property. The water supply system is the most commonly used system in firefighting systems. Smart fire protection facilities based on Internet of things (IoT) technologies have been developed to monitor the water supply status in real time. It is required to accurately obtain the key data of natural water sources, municipal water supplies and fire pools. Smart fire protection will realize the digital management of fire extinguishing water sources, providing reliable information for firefighting and rescue operations. They will also enhance the availability of fire-control information and enable the on-site fire brigade to quickly develop targeted water supply plans.

Recommendation ITU-T Y.4490 addresses water supply system monitoring (WSSM) for smart fire protection. It specifies the reference model of WSSM and its requirements and framework.

History *

Edition	Recommendation	Approval	Study Group	Unique ID
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Internet of Things (IoT), smart fire protection, water supply system monitoring (WSSM).

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