

Recommendation

ITU-T Y.4507 (01/2025)

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

A functional architecture of Internet of things-based warning system for power supply facilities

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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.4507

A functional architecture of Internet of things-based warning system for power supply facilities

Summary

There is a need to propose a warning system for power supply facilities (PSF). The early warning system of power supply facilities based on Internet of things (IoT) technology can obtain the real-time status parameters of power equipment and realize equipment status prediction and fault early warning through the status assessment and early warning model. It can improve the operational economy of assets and ensure the reliability of power supply.

Recommendation ITU-T Y.4507 provides the functional architecture of a power supply facility warning system (PSFWS), use cases and data flows.

History *

Edition	Recommendation	Approval	Study Group	Unique ID
1.0	ITU-T Y.4507	2025-01-15	20	11.1002/1000/16031

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Power supply facilities, state prediction, warning system.

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