

Recommendation **ITU-T F.751.25 (03/2025)**

SERIES F: Non-telephone telecommunication services

Multimedia services

Framework and requirements for distributed ledger technology-based demand response in smart grid

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Recommendation ITU-T F.751.25

Framework and requirements for distributed ledger technology-based demand response in smart grid

Summary

Recommendation ITU-T F.751.25 specifies framework and requirements for distributed ledger technology (DLT)-based demand response (DR) in smart grid, which aims at enhancing the efficiency of incentive mechanisms and automating responses while ensuring trust and accountability. It includes the stakeholders, the framework and the functional requirements of DLT-based DR. The business process of DLT-based DR is also provided in the appendix. This Recommendation can be used as guidance for the development and application of the DLT-based DR for smart grid.

History *

Edition	Recommendation	Approval	Study Group	Unique ID
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