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SERIES F: NON-TELEPHONE TELECOMMUNICATION
SERVICES

Multimedia services

Requirements for deployment of information- centric networks

Recommendation ITU-T F.746.4

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Recommendation ITU-T F.746.4

Requirements for deployment of information-centric networks

Summary

Recommendation ITU-T F.746.4 describes the scenarios and requirements for deployment of information-centric networks (ICNs). The deployment supports flexible methods for deploying various ICN instances on a single network service provider (NSP) network, deploying an ICN instance over multiple NSP networks, and interoperating between different ICN instances. The framework requires decoupling of the data plane and the control plane; in addition, one or more switches and controllers supporting such deployment are required. The software and hardware resources in the switches and controllers are required to be virtualized and to be used to create ICN instances. There exist appropriate inter-ICN service provider interfaces to facilitate interoperations of two ICN instances.

History

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Deployment, information-centric networks, interoperation, software-defined networking.

* 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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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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