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Recommendation

ITU-T Y.3326 (09/2024)

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

Future networks

Requirements and framework of distributed software-defined network intelligence capability enhancement based on distributed ledger technology

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Recommendation ITU-T Y.3326

Requirements and framework of distributed software-defined network intelligence capability enhancement based on distributed ledger technology

Summary

The distributed S-NICE enhancements is an evolved version of software-defined network intelligence capability enhancement (S-NICE) which has already been standardized by Recommendations ITU-T Y.3321 and ITU-T Y.3322. Recommendation ITU-T Y.3326 builds on those published Recommendations, and Recommendations such as ITU-T Y.2345. By introducing distributed leger technology, the distributed S-NICE provides an efficient and reliable mechnism that prevents unauthorized parties from modifying data in the network.

History *

Edition	Recommendation	Approval	Study Group	Unique ID
1.0	ITU-T Y.3326	2024-09-13	13	11.1002/1000/16130

Keywords

Distributed ledger technology, next generation network, requirements, scenarios, software-defined networking.

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FOREWORD

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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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