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SERIES J: CABLE NETWORKS AND TRANSMISSION
OF TELEVISION, SOUND PROGRAMME AND OTHER
MULTIMEDIA SIGNALS

Switched digital video over cable networks

**Requirements for the advanced IP-based digital
video convergence service**

Recommendation ITU-T J.1111

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Requirements for the advanced IP-based digital video convergence service

Summary

As digital broadcasting services have been rapidly deployed, many service operators are considering more effective transmission means for these services. Recently, digital broadcasting services have changed in order to use resources more efficiently and to accommodate the varying needs and environments of subscribers. Therefore, it is necessary to redefine the advanced IP-based digital video convergence service with the objective of maintaining quality of service (QoS) and using transmission bandwidth effectively in the broadband network environment.

The switched digital video (SDV) service is a service mechanism for distributing digital video over radio frequency (RF)-based broadband networks, and the IP-based SDV service is a service mechanism for distributing digital video over IP-based broadband networks. The advanced IP-based digital video convergence service is the service mechanism for providing interfaces and functionalities to enable the service operators to offer quality of service (QoS)-guaranteed broadcasting to subscribers via IP-based converged broadband networks.

Recommendation ITU-T J.1111 aims to define the service requirements of the IP-based digital video convergence service including IP-based SDV technologies and considering the convergence environment.

Recommendation ITU-T J.1111 references normatively Recommendation ITU-T J.1101, which describes the functional requirements for the IP-based switched digital video service.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T J.1111	2022-01-13	9	11.1002/1000/14840

Keywords

Digital broadcasting, digital video convergence service, IP, J.AIP-DVCS.

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