

Recommendation

ITU-T J.1112 (07/2023)

SERIES J: Cable networks and transmission of television,
sound programme and other multimedia signals

Switched digital video over cable networks

Functional requirements for IP-based digital video convergence service

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Cable networks and transmission of television, sound programme and other multimedia signals

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Recommendation ITU-T J.1112

Functional requirements for an IP-based digital video convergence service

Summary

Recommendation ITU-T J.1112 specifies functional requirements of a digital video convergence service (DVCS) based on the Internet protocol (IP) including IP-based switched digital video technologies taking into consideration a convergence environment.

As digital broadcasting services have been rapidly deployed, many service operators are considering more effective transmission of digital broadcasting services. Recently, digital broadcasting services have been changed to use resources efficiently and transmit them to easily accommodate the varying needs and environments of subscribers. Therefore, it is necessary to redefine the advanced IP-based DVCS to maintain quality of service (QoS) and using bandwidth effectively for transmission on broadband network environment.

The IP-based DVCS is a service mechanism for distributing digital video via IP-based broadband networks. It is the service mechanism for providing interfaces and functionalities to enable the service operators to offer QoS-guaranteed broadcasting to subscribers via IP-based converged broadband networks.

History *

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Digital broadcasting, digital video convergence service, IP.

* To access the Recommendation, type the URL <https://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID.