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

Conditional access and protection – Downloadable
conditional access system for unidirectional networks

Downloadable conditional access system for unidirectional networks – System architecture

Recommendation ITU-T J.1027

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Downloadable conditional access system for unidirectional networks – System architecture

Summary

Recommendation ITU-T J.1027 specifies a system architecture for a one-way downloadable conditional access system (DCAS) for unidirectional networks. A one-way DCAS protects broadcast content or services and controls consumer entitlements like traditional conditional access (CA) systems, and enables a terminal, such as a set top box , to adapt to a new CA system by downloading and installing the new client of a CA system without changing the hardware. In particular, a one-way DCAS can fully work in unidirectional cable television (TV) networks and other unidirectional networks such as satellite TV networks.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
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Keywords

DCAS, downloadable conditional access system, system architecture.

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Introduction

This Recommendation is the second in a series specifying requirements, system architecture and the terminal system, respectively, for a one-way downloadable conditional access system:

Part 1: "Requirements" [ITU-T J.1026];

Part 2: "System architecture" [ITU-T J.1027];

Part 3: "The terminal" [ITU-T J.1028].