RECOMMENDATION ITU-R BT.1436*

Transmission systems for interactive cable television services

(Question ITU-R 16/6)

(2000)

The ITU Radiocommunication Assembly,

considering

a)   that there is a need to avoid proliferation of protocols for interactive services;

b)   that work on return channels is being carried out in ITU-R and ITU-T;

c)   that ITU-T has approved ITU-T Recommendation J.112 – Transmission systems for interactive cable television services,

recommends

1   that for relevant applications in sound and television broadcasting the protocols included in ITU-T Recommendation J.112 (03/98) should be used. A summary of ITU-T Recommendation J.112 is provided in Annex 1 to this Recommendation (The future of Recommendation ITU-R BT.1436 will take into account the evolution of ITU-T Recommendation J.112.)

ANNEX 1

**Summary of ITU-T Recommendation J.112 – Transmission systems
for interactive cable television services**

This Recommendation extends the scope of ITU-T Recommendation J.83 – Digital multiprogramme systems for television, and data services for cable distribution, to make provision for bidirectional data over coaxial cable and hybrid fibre-coaxial cable systems for interactive services. It contains several annexes in recognition of existing media environments, e.g. interaction channel for digital video broadcasting cable TV distribution systems, data over cable radio frequency interface and multimedia data-transmission equipment over cable television networks.

Whilst the Annexes reflect the different environments there is substantial commonality. The services may include fast Internet access and/or interactive cable television. The transmission Protocols supported include, but are not limited to, IP and ATM. The reference architectures are all based on Recommendation ITU-R BT.1369 which describes the basic principles for a worldwide common family of systems for the provision of interactive television services.

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*   Radiocommunication Study Group 6 made editorial amendments to this Recommendation in 2002 in accordance with Resolution ITU-R 44.