RECOMMENDATION ITU-R BT.1434*

Network independent protocols for interactive systems

(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.111 − Network independent protocols for interactive systems,

recommends

1   that for relevant applications in sound and television broadcasting the protocols included in ITU-T Recommendation J.111 (03/98) should be used. A summary of ITU-T Recommendation J.111 is provided in Annex 1 to this Recommendation. (The future of Recommendation ITU-R BT.1434 will take into account the evolution of ITU-T Recommendation J.111.)

ANNEX 1

Summary of ITU-T Recommendation J.111 − Network independent protocols for interactive systems

This Recommendation describes protocols independent of the underlying physical and transport protocol for the support of interaction services based on digital TV broadcast systems.

It is one of the series of Recommendations describing interactive digital TV services. Other relevant Recommendations are ITU-R BT.1369 which describes the basic principles for a worldwide common family of systems for the provision of interactive television services and ITU-T J.113 which describes the provision of a return channel based on the public switched telephone and integrated services digital networks, PSTN/ISDN.

This Recommendation describes the network independent protocols (to layer 4 of the open systems interconnector (OSI) reference model typically). These are derived from the logical channel terminology specified by the Digital audio visual council (DAVIC), S1 to S5 flows, which are explained in DAVIC 1.3 − DAVIC reference model.

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