

QUESTION ITU-R 113/6

Delivery of interactive information to and from large screen digital imagery venues through broadcasting systems

(2004)

The ITU Radiocommunication Assembly,

considering

- a) the progress in information processing and communications technologies;
- b) the rapid progress towards digital high-definition television (HDTV) delivery systems;
- c) the establishment of a worldwide HDTV production standard (see Recommendation ITU-R BT.709) and international programme exchange standards;
- d) the rapid adoption of electronic means, in particular HDTV technology, for the broadcast distribution of alternative digital content;
- e) the economic advantages of distributing programmes by digital broadcasting systems to a large number of geographically dispersed large screen digital imagery (LSDI) venues;
- f) the desire of users to actively interact with video and sound systems, as evidenced by the popularity of video games, audience participation at live events, and other emerging forms of alternate digital content;
- g) the progress in the establishment of Recommendations for return channels for interaction with broadcasting systems;
- h) the rapid development and deployment of many new communication systems that will facilitate the implementation of return paths for interactive broadcasting systems,

decides that the following Question should be studied

- 1** What new techniques and technologies would be required for meaningful interaction of many participants with a single programme delivered by a broadcasting system to one LSDI venue?
- 2** What new techniques and technologies would be required for meaningful interaction between many participants at multiple LSDI venues connected by a broadcasting network?
- 3** What new techniques and technologies would be required for meaningful interaction of many participants at multiple LSDI venues with content delivered by a broadcasting system?

4 What implications, if any, would interactive LSDI delivered by broadcasting systems have on frequency bandwidth requirements for both the forward and return channels?

further decides

- 1 that the results of the above studies should be included in (a) Recommendation(s);
- 2 that this work should be coordinated with Study Groups in the Radiocommunication and Telecommunication Standardization Sectors;
- 3 that the above studies should be completed by 2007.

Category: S2
