

QUESTION ITU-R 89-1/6

User requirements for electronic news gathering

(1995-2004)

The ITU Radiocommunication Assembly,

considering

- a) that electronic news gathering (ENG) crews must be able to operate in all parts of the world, and in all venues where a news event breaks;
- b) that news coverage produced by ENG crews must be delivered to the appropriate television facility, which is often remote from the area where the crews operate;
- c) that delivery of news coverage may be effected, depending on circumstances:
 - by physical delivery of recorded ENG videocassettes;
 - by transmission of the signal over portable microwave links;
 - by injection of the signal in a switched telecommunication network;
 - by satellite transmission;
- d) that the user requirements specific to ENG operation in terms of:
 - received picture quality;
 - received sound quality;
 - number of sound channels;
 - transmission channel bandwidth and reliability;
 - equipment size and weight;
 - talkback facilities, etc.;

are often different from those that apply to normal television contribution transmission, and they are peculiar to the operating environment of ENG;

- e) that such user requirements are generally independent from the delivery method used,

decides that the following Question should be studied

- 1** What are the user requirements peculiar to ENG operation, in terms of:

- received picture quality;
- received sound quality;
- latency;
- number of sound channels;
- transmission channel bandwidth,
- transmission equipment size, weight, power consumption, reliability, etc.;
- talkback facilities, etc.?

- 2** Which are the technical means to be recommended in order to meet the user requirements peculiar to ENG operation?

3 How do those user requirements translate in terms of expected performance in the delivery of ENG news coverage:

- by physical delivery of recorded ENG video cassettes;
- by transmission of the signal over portable microwave links;
- by injection of the signal in a telecommunication network;
- by satellite transmission (SNG)?

NOTE 1 – Close cooperation with Radiocommunication Study Groups 4 and 9 and Telecommunication Standardization Study Group 9 will be required in the study of this Question, which should be brought to their attention,

further decides

- 1** that the results of the above studies should be included in (a) Recommendation(s);
- 2** that the above studies should be completed by 2007.

Category: S2