

RECOMMENDATION ITU-R BT.1377*

**LABELLING OF VIDEO AND AUDIO APPARATUS
THROUGHPUT (PROCESSING) DELAY**

(Question ITU-R 35/11)

(1998)

The ITU Radiocommunication Assembly,

considering

- a) that the delay through digital audio and/or video equipment may be significant;
- b) that equipment processing delay may affect sound/vision timing;
- c) that throughput delay may be large especially with Video Codecs;
- d) that the processing time through a piece of equipment might not be readily apparent to the user;
- e) that for some items of equipment the processing delay times are known to manufacturers;
- f) that the marking of equipment processing delay time would assist in the identification and correction of potential system timing problems,

recommends

1 in cases where the processing delay times are known to the manufactures, it is desirable that throughput delays be clearly identified on digital audio and video equipment,

further recommends

2 that such delays be indicated for the normal operating state and expressed in milliseconds as a value or range of values where the delay is variable;

3 in case of equipment such as frame synchronizers, it is desirable to indicate the delay in real time by a signal appropriate for controlling a companion audio delay.

* This Recommendation should be brought to the attention of the International Electrotechnical Commission (IEC) and to Radiocommunication Study Group 10.