International Telegraph and Telephone
Consultative Committee
(CCITT)

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QUESTION: 4/XV and 4/XV Experts Group

STUDY GROUP XV - CONTRIBUTION

SOURCE: United States of America

TITLE: Multipoint conferencing with n x 384 Kb/s Codecs

Interactive multipoint and broadcast teleconferencing are an important segment
of the teleconferencing market. In order to facilitate both of these modes
the following provisions should be considered for inclusion in the n x 384
Kb/s codec specification.

1. The codec must operate in a simplex mode. To achieve this there must not
    be any two way control transmissions for operations such as error control
    and graphics.

2. The codec should be capable of operating in a fast update mode when the
    communications channel is switched.

3. The method used for encryption must be self synchronizing, i.e. it should
    not require a return feed-back path.

4. An option may be provided which removes audio from the encryption and FEC
    data fields so that it may be separated at a bridge point and mixed for
    retransmission.