CCITT SG XV   Document #101
Working Party XV/1   26 March 1986
Specialists Group on Coding for Visual Telephony

SOURCE: U.K., France, F.R.G., Netherlands, Sweden

TITLE: MOTION VECTOR CODING

    The above countries have considered the proposals of the
Chairman to reach agreement on whether motion vectors are
transmitted as interblock motion vector differences (relative)
or as independant values (absolute). It was generally felt that
an important decision of this type, which may have a
significant impact on codec performance should first be
formatted as an action for the working group. Formal proposals
could them be made at the next meeting and a decision sought.
This would result in a decision being made on hard evidence
rather than a general opinion of the Working Party.

    However, if it is felt absolutely necessary to make a
decision at this meeting the European position can be stated as
follows:-

"Motion vectors should be transmitted on a per block basis in
absolute terms. A motion vector may be contained in both the
Field Start Code and the Line of Blocks Start Codes to cope
with the code of correlated motion in a large part of the
picture (e.g. panning). The relationship between the block
motion vectors and the vectors in the Field and Line of Block
Start Codes is for further study."