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CCITT SG XV
Specialists Group on Coding
for Visual Telephony

Document #419
December 1988

Source: SWEDEN

Title: VLC FOR RELATIVE ADDRESSING

The VLC used for relative adressing in RM6 was derived for use with GOBs holding 132 8·8 blocks. As only 22 macro-blocks are adressed in RM6 it is possible to use a reduced VLC table. Simulations were done to find a good candidate for a new VLC. Three different VLCs were then compared.

1. VLC length = Relative adress+1 (1 bit/block)

2. The VLC in RM5/RM6

3. A VLC optimised for each sequence.

	MISS A	CLAIRE	SALESMAN	SWING
1 bit/MB	315	254	287	282
RM5/RM6	303	235	271	268
Optimum	295	227	267	263

Table 1. No of bits for relative adressing in RM5

	MISS A	CLAIRE	SALESMAN	SWING
1 bit/MB	325	263	278	255
RM5/RM6	307	246	257	234
Optimum	301	240	252	224

Table 2. No of bits for relative adressing in RM6 (without intra).

CONCLUSION: VLC choise for relative adressing is not critical.