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Title : Buffer regulation

Source : CNET (France)

Simulations of a new GOB structure allowing inter communications between Full CIF and Quarter CIF codecs have been performed in CNET.

. The GOB structure is similar to the one proposed by PKI in doc CCITT/ 385

. The coding scheme is RM6 (bit rate : 64 Kbit/s).

The simulation results show that the new GOB structure gives similar performances on most of the test sequences except SWING for which a bad buffer regulation is performed and overflow occurs (see quantizer stepsize plot).

Conclusion: this new picture partition which allows mixing of four QCIF pictures to one FCIF picture has highlighted problems in the buffer regulation that already occurred with the previous GOB structure at 2 Mbit/s.



