CLAIMS

1. A video encoding method comprising a residual encoding process (145) using a limited number of regular bins to code syntax elements representative of a picture area comprising coding groups representative of sub-blocks of quantized coefficients of a transform block, wherein the coding is a CABAC encoding, wherein the number of regular bins is determined based on a budget allocated amongst a plurality of coding groups and wherein the plurality of coding groups is a transform block.

2. A video decoding method comprising a residual decoding process (230) using regular bins to parse a bitstream representative of a picture area comprising coding groups representative of sub-blocks of quantized coefficients of a transform block, wherein the decoding is done using CABAC decoding, wherein the number of regular bins is determined based on a budget allocated amongst a plurality of coding groups and wherein the plurality of coding groups is a transform block.

3. A video encoding apparatus comprising a residual encoding process (145) using a limited number of regular bins to code syntax elements representative of a picture area comprising coding groups representative of sub-blocks of quantized coefficients of a transform block, wherein the coding is a CABAC encoding, wherein the number of regular bins is determined based on a budget allocated amongst a plurality of coding groups and wherein the plurality of coding groups is a transform block.

4. A video decoding apparatus comprising a residual decoding process (230) using regular bins to parse a bitstream representative of a picture area comprising coding groups representative of sub-blocks of quantized coefficients of a transform block, wherein the decoding is done using CABAC decoding, wherein the number of regular bins is determined based on a budget allocated amongst a plurality of coding groups and wherein the plurality of coding groups is a transform block.

5. The method according to claim 1 or the apparatus according to claim 3 wherein, for a coding group that is being coded, the budget allocated amongst a plurality of coding groups is decremented (194) each time a binary element is coded using regular CABAC coding mode.

6. The method according to claim 2 or the apparatus according to claim 4 wherein, for a coding group that is being decoded, the budget allocated amongst a plurality of coding groups is decremented (194) each time a binary element is decoded using regular CABAC decoding mode.

7. The method or the apparatus according to claim 5 wherein, the number of regular bins is determined based on the position of the last significant coefficient of the transform block.

8. The method or the apparatus according to claim 7 wherein, the budget is allocated between transform blocks based on the number of samples of a transform block.

9. The method or the apparatus according to claim 6 wherein, the number of regular bins is determined based on the position of the last significant coefficient of the transform block..

10. The method or the apparatus according to claim 9 wherein, the budget is allocated between transform blocks based on the number of samples of a transform block.

11. Computer program comprising program code instructions for implementing the steps of a method according to at least one of claims 1 2 or 5 to 10 when executed by a processor.

12. Computer program product which is stored on a non-transitory computer readable medium and comprises program code instructions for implementing the steps of a method according to at least one of claims 1 2 or 5 to 10 when executed by a processor.