Claims

1. A video decoder (300) for receiving a video data stream a video stored therein,

wherein the video decoder (300) is configured to decode the video from the video data stream,

wherein the video decoder (300) is configured to decode the video depending on an access unit removal time of a current picture of a plurality of pictures of the video from a coded picture buffer,

wherein the video decoder (300) is configured to decode the video depending on an indication indicating whether or not to use coded picture buffer delay offset information for determining the access unit removal time of the current picture from the coded picture buffer.

2. The video decoder (300) according to claim 1,

wherein the video decoder (300) is configured to determine whether or not to use the coded picture buffer delay offset information for determining the access unit removal time of the current picture depending on a concatenation flag.

3. The video decoder (300) according to claim 2,

wherein if the concatenation flag is set to a first value then the video decoder (300) is configured to use the coded picture buffer delay offset information to determine one or more access unit removal times, and

wherein if the concatenation flag is set to a second value being different from the first value then the video decoder (300) is configured to not use the coded picture buffer delay offset information to determine the one or more access unit removal times.

4. The video decoder (300) according to any one of claims 1 to 3,

wherein the access unit removal time for at least one of the plurality of pictures of the video from the coded picture buffer depends on the coded picture buffer delay offset information.

5. The video decoder (300) according to any one of claims 1 to 4,

wherein the video decoder (300) is configured to decode the video depending on whether or not to use coded picture buffer delay offset information for determining the access unit removal time of the current picture, wherein the access unit removal time of the current picture depends on a location of the current picture within the video.

6. A video encoder (100),

wherein the video encoder (100) is configured to encode a video into a video data stream,

wherein the video encoder (100) is configured to generate the video data stream such that the video data stream comprises coded picture buffer delay offset information,

wherein the video encoder (100) is configured to generate the video data stream such that the video data stream comprises an indication indicating whether or not to use the coded picture buffer delay offset information for determining an access unit removal time of a current picture from a coded picture buffer used for decoding the video on a decoder side.

7. The video encoder (100) according to claim 6,

wherein the video encoder (100) is configured to generate the video data stream such that the video data stream comprises a concatenation flag.

8. The video encoder (100) according to claim 7,

wherein if the concatenation flag is set to a first value then the concatenation flag indicates that the coded picture buffer delay offset information needs to be used to determine one or more access unit removal times, and

wherein if the concatenation flag is set to a second value being different from the first value then the concatenation flag indicates that the indicated offset is not used to determine the one or more access unit removal times.

9. The video encoder (100) according to any one of claims 6 to 8,

wherein the video encoder (100) is configured to generate the video data stream such that the video data stream comprises information on the coded picture buffer delay offset usable to determine an access unit removal time for at least one of the plurality of pictures of the video from the coded picture buffer.

10. The video encoder (100) according to any one of claims 6 to 9,

wherein the video encoder (100) is configured to generate the video data stream such that the video data stream comprises information on a location of the current picture within the video usable for determining an access unit removal time of the current picture.

11. A video data stream,

wherein the video data stream has a video encoded thereinto,

wherein the video data stream comprises coded picture buffer delay offset information,

wherein the video data stream comprises an indication indicating whether or not to use the coded picture buffer delay offset information for determining an access unit removal time of a current picture from a coded picture buffer used for decoding the video on a decoder side.

12. The video data stream according to claim 11,

wherein the video data stream comprises a concatenation flag.

13. The video data stream according to claim 12,

wherein if the concatenation flag is set to a first value then the concatenation flag indicates that the coded picture buffer delay offset information needs to be used to determine one or more access unit removal times, and

wherein if the concatenation flag is set to a second value being different from the first value then the concatenation flag indicates that the indicated offset is not used to determine the one or more access unit removal times.

14. The video data stream according to any one of claims 11 to 13,

wherein the video data stream comprises information on the coded picture buffer delay offset usable to determine an access unit removal time for at least one of the plurality of pictures of the video from the coded picture buffer.

15. The video data stream according to any one of claims 11 to 14,

wherein the video data stream comprises information on a location of the current picture within the video usable for determining an access unit removal time of the current picture.

16. A method for receiving a video data stream a video stored therein,

wherein the method comprises decoding the video from the video data stream,

wherein decoding the video is conducted depending on an access unit removal time of a current picture of a plurality of pictures of the video from a coded picture buffer,

wherein decoding the video is conducted depending on an indication indicating whether or not to use coded picture buffer delay offset information for determining the access unit removal time of the current picture from the coded picture buffer.

17. A method for encoding a video into a video data stream,

wherein the method comprises generating the video data stream such that the video data stream comprises coded picture buffer delay offset information,

wherein generating the video data stream is conducted such that the video data stream comprises an indication indicating whether or not to use the coded picture buffer delay offset information for determining an access unit removal time of a current picture from a coded picture buffer used for decoding the video on a decoder side.

18. A computer program for implementing the method of claim 16 or 17 when being executed on a computer or signal processor.