Claims

1. Video data stream having video content encoded therein, using predictive and entropy coding, in units of slices into which pictures of the video content are spatially sub-divided, using a coding order among the slices, with restricting predictions of the predictive coding and/or entropy coding to the inner of tiles into which the pictures of the video content are spatially sub-divided, wherein the sequence of the slices are packetized into payload packets of a sequence of packets of the video data stream in the coding order, the sequence of packets being divided into a sequence of access units so that each access unit collects the payload packets having packetized thereinto slices relating to a respective picture of the video content, wherein the sequence of packets has tile identification packets interspersed thereinto between payload packets of one access unit, identifying one or more tiles overlaid by any slice packetized into one or more payload packets immediately following the respective tile identification packet in the sequence of packets.

2. Video data stream according to claim 1 wherein the tile identification packets identify the one or more tiles overlaid by any slice packetized into exactly the immediately following payload packet.

3. Video data stream according to claim 1 wherein the tile identification packets identify the one or more tiles overlaid by any slice packetized into the one or more payload packets immediately following the respective tile identification packet in the sequence of packets until the earlier of an end of the current access unit, and the next tile identification packet, respectively, in the sequence of packets.

4. Video data stream according to claim 1 wherein the video data stream is a scalable video coding (SVC) data stream.

5. Network entity configured to receive a video data stream according to any of claims 1 to 2 and identify, based on the tile identification packets, tiles which are overlaid by slices packetized into one or more payload packets immediately following the respective tile identification packet in the sequence of packets.

6. Network entity according to claim 5 wherein the network entity is configured to use a result of the identification so as to decide on transmission tasks pertaining the video data stream.

7. Network entity according to claim 5 or 6 wherein the transmission tasks comprise re-transmission requests concerning defect packets.

8. Network entity according to claim 5 or 6 wherein the network entity is configured to handle different tiles with different priority by assigning a higher priority to tile identification packets and the payload packets immediately following the respective tile identification packet having slices packetized thereinto which overlay tiles identified by the respective tile identification packets, for which the priority is higher, then to tile identification packets and the payload packets immediately following the respective tile identification packet having slices packetized thereinto which overlay tiles identified by the respective tile identification packets, for which the priority is lower.

9. Network entity according to claim 8 wherein the network entity is configured to first request a retransmission of payload packets having the higher priority assigned thereto, before requesting any retransmission of payload packets having the lower priority assigned thereto.

10. Network entity according to claim 5 wherein the video data stream is a scalable video coding (SVC) data stream.

11. Network entity according to claim 5 or 10 wherein the network entity is a decoder.

12. Method comprising receiving a video data stream according to any of claims 1 to 2 and identifying, based on the tile identification packets, tiles which are overlaid by slices packetized into one or more payload packets immediately following the respective tile identification packet in the sequence of packets.

13. Method according to claim 12 wherein the video data stream is a scalable video coding (SVC) data stream.

14. Encoder configured to code into a video data stream video content using predictive and entropy coding in units of slices into which pictures of the video content are spatially sub-divided, and using a coding order among the slices, with restricting predictions of the predictive coding and/or entropy coding to the inner of tiles into which the pictures of the video content are spatially sub-divided, wherein the encoder is configured to packetize the sequence of the slices into payload packets of a sequence of packets of the video data stream in the coding order, the sequence of packets being divided into a sequence of access units so that each access unit

collects the payload packets having packetized thereinto slices relating to a respective picture of the video content, wherein the sequence of packets has tile identification packets interspersed thereinto between payload packets of one access unit, identifying one or more tiles overlaid by any slice packetized into one or more payload packets immediately following the respective tile identification packet in the sequence of packets.

15. Encoder according to claim 14 wherein the video data stream is a scalable video coding (SVC) data stream.