Claims:

1. A method for performing maximum transform size control for decoding of a video sequence, the method comprising:

identifying, by a decoder, a high-level syntax element associated with the video sequence;

determining, by the decoder, a maximum transform size associated with the video sequence based on identifying the high-level syntax element associated with the video sequence, wherein the high-level syntax element indicates whether the maximum transform size is 32 or 64;

decoding, by the decoder, the video sequence using the maximum transform size based on determining the maximum transform size associated with the video sequence; and

transmitting, by the decoder, the video sequence based on decoding the video sequence using the maximum transform size,

wherein when a sub-block transform (SBT) mode is enabled, a maximum block size that allows the SBT mode is constrained by the maximum transform size, and

wherein the maximum block size that allows the SBT mode is 32 when the high-level syntax indicates that the maximum transform size is 32 or the maximum block size that allows the SBT mode is 64 when the high-level syntax indicates that the maximum transform size is 64.

2. The method of claim 1, wherein the high-level syntax element is a video parameter set (VPS).

3. The method of claim 1, wherein the high-level syntax element is a sequence parameter set (SPS).

4. The method of claim 1, wherein the high-level syntax element is a picture parameter set (PPS).

5. The method of claim 1, wherein the high-level syntax element is a slice header.

6. The method of claim 1, wherein the high-level syntax element is a tile header.

7. The method of claim 1, wherein the high-level syntax element is a tile group header.

8. The method of claim 1, wherein the high-level syntax element is a coding tree unit (CTU) header.

9. The method of claim 1, wherein the maximum transform size corresponds to a maximum transform width and height.

10. The method of claim 1, wherein the maximum transform size corresponds to a maximum transform unit area.

11. The method of claim 1, wherein when intra sub-partitioning (ISP) mode is enabled, a maximum coding unit size is constrained by the maximum transform size.

12. The method of claim 11, wherein the ISP mode is only applied for coding units without implicit transform split.

13. The method of claim 1, wherein the maximum transform size is 32 when a value of the high-level syntax element is 0, and the maximum transform size is 64 when the value of the high-level syntax element is 1.

14. A device for performing maximum transform size control for decoding of a video sequence, comprising:

at least one memory configured to store program code;

at least one processor configured to read the program code and operate as instructed by the program code to perform the method according to any one of claims 1 to 13.

15. A non-transitory computer-readable medium storing instructions, the instructions comprising: one or more instructions that, when executed by one or more processors of a device for performing maximum transform size control for decoding of a video sequence, cause the one or more processors to perform the method according to any one of claims 1 to 13.