

CLAIMS

1. A method of video processing, comprising:
performing a conversion between a video and a bitstream of the video,
wherein the bitstream comprises one or more output layer sets (OLSs) each comprising one or more video layers,
wherein the bitstream conforms to a format rule;
wherein the format rule specifies whether or how a first syntax element indicating whether a first syntax structure descriptive of parameters of a hypothetical reference decoder (HRD) used for the conversion is included in a video parameter set (VPS) of the bitstream.
2. The method of claim 1, wherein the first syntax structure comprises a set of general HRD parameters.
3. The method of claims 1- 2, wherein the format rule specifies that the first syntax element is omitted from the VPS and is inferred to have a zero value when not present in the VPS due to each of the one or more video layers being included in an OLS of the one or more OLSs, and wherein each of the one or more OLSs comprises a single video layer.
4. The method of claims 1- 2, wherein the format rule specifies that the first syntax element has a zero value in the VPS when present in the VPS due to each of the one or more video layers being included in an OLS of the one or more OLSs, and wherein each of the one or more OLSs comprises a single video layer.
5. The method of any of claims 1-4, wherein the format rule further specifies whether or how a second syntax element indicative of a number of syntax structures descriptive of OLS-specific HRD parameters is included in the VPS.

6. The method of claim 5, wherein the format rule further specifies that the second syntax element is included in the VPS when the first syntax element has a value 1, regardless of whether the total number of OLSs in the one or more OLSs is greater than 1.
7. A method of video processing, comprising:
performing a conversion between a video and a bitstream of the video,
wherein the bitstream comprises one or more output layer sets (OLSs) each comprising one or more video layers,
wherein the bitstream conforms to a format rule;
wherein the format rule specifies whether or how a first syntax structure descriptive of general hypothetical reference decoder (HRD) parameters and a number of second syntax structures descriptive of OLS-specific HRD parameters are included in a video parameter set (VPS) for the bitstream.
8. The method of claim 7, wherein the format rule specifies to omit the first syntax structure from the VPS in case that no second syntax structure is included in the VPS.
9. The method of claim 7, wherein the format rule excludes inclusion of first syntax structure and the second syntax structures in the VPS for an OLS comprising only one video layer, and wherein the format rule permits inclusion of the first syntax structure and the second syntax structures an OLS comprising only one video layer.
10. A method for storing bitstream of a video, comprising:
generating a bitstream from the video;
storing the bitstream in a non-transitory computer-readable recording medium;
wherein the bitstream comprises one or more output layer sets (OLSs) each comprising one or more video layers,
wherein the bitstream conforms to a format rule;
wherein the format rule specifies whether or how a first syntax element indicating whether a first syntax structure descriptive of parameters of a hypothetical reference decoder (HRD) used for the conversion is included in a video parameter set (VPS) of the bitstream.

11. The method of any of claims 1-10, wherein the performing the conversion comprising encoding the video into the bitstream.
12. The method of any of claims 1-10, wherein the performing the conversion comprises parsing and decoding the video from the bitstream.
13. The method of any of claims 1-10, wherein the performing the conversion comprises encoding the video into the bitstream; and the method further comprises storing the bitstream in a non-transitory computer-readable recording medium.
14. A video decoding apparatus comprising a processor configured to implement a method recited in one or more of claims 1 to 13.
15. A video encoding apparatus comprising a processor configured to implement a method recited in one or more of claims 1 to 13.
16. A non-transitory computer-readable storage medium storing instructions that cause a processor to implement a method recited in any of claims 1 to 13.
17. A non-transitory computer-readable recording medium storing a bitstream of a video which is generated by a method recited in any of claims 1 to 13.
18. A method, apparatus or system described in the present document.