~~WHAT IS CLAIMED IS~~CLAIMS:

1. A method of video processing, comprising:

performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a first rule,

wherein the first rule specifies that a general constraint information (GCI) syntax structure in a profile-tier-level syntax structure is after a syntax element,

wherein the syntax structure comprises information related to general constraint information (GCI) for the bitstream, and

wherein the syntax element indicates a level to which one or more output layer sets conform.

2. The method of claim 1, wherein the information related to the GCI indicates whether one or more GCI flags are indicated, and/or one or more values of one or more GCI flags.

3. The method of claim 1 or 2, wherein the GCI syntax structure is a general_constraint_info( ) syntax structure and the syntax element is a general_level_idc syntax element.

4. The method of any one of claims 1-3, wherein the conversion is performed further according to a second rule;

wherein the second rule specifies that a byte alignment syntax in the GCI syntax structure is after one or more GCI reserved fields.

5. The method of claim 4, wherein the byte alignment syntax indicates whether a current position in the bitstream is an integer multiple of 8 bits from a position of a first bit in the bitstream.

6. The method of claim 4 or 5, wherein the byte alignment syntax is at an end of the GCI syntax structure.

7. The method of any one of claims 4-6, wherein the byte alignment syntax comprises a gci_alignment_zero_bit field and its syntax condition, and the GCI syntax structure is a general_constraint_info( ) syntax structure.

8. The method of any one of claims 1-7, wherein the conversion is performed further according to a third rule;

wherein the third rule specifies that a first GCI syntax element indicating a number of reserved GCI bits is included in the bitstream.

9. The method of claim 8, wherein the third rule further specifies that a value of each of the reserved GCI bits is included in the bitstream.

10. The method of claim 9, wherein the value of each of the reserved GCI bits is coded as an unsigned 1-bit integer.

11. The method of any one of claims 8-10, wherein the first GCI syntax element is gci_num_reserved_bits.

12. The method of any one of claims 1-11, wherein the conversion is performed further according to a fourth rule,

wherein the fourth rule specifies that a second GCI syntax element is included at a beginning of the GCI syntax structure,

wherein the second GCI syntax element indicates whether one or more GCI syntax elements are included in the GCI syntax structure.

13. The method of claim 12, wherein the second GCI syntax element equaling zero indicates that the one or more GCI syntax elements are not included in the GCI syntax structure.

14. The method of claim 13, wherein the one or more GCI syntax elements exclude a byte alignment field.

15. The method of claim 13 or 14, wherein the GCI syntax structure does not impose a constraint.

16. An apparatus for processing video data comprising a processor and a non-transitory memory with instructions thereon, wherein the instructions upon execution by the processor, cause the processor to:

perform a conversion between a video comprising one or more pictures and a bitstream of the video according to a first rule,

wherein the first rule specifies that a general constraint information (GCI) syntax structure in a profile-tier-level syntax structure is after a syntax element,

wherein the syntax structure comprises information related to general constraint information (GCI) for the bitstream, and

wherein the syntax element indicates a level to which one or more output layer sets conform.

17. The apparatus of claim 16, wherein wherein the information related to the GCI indicates whether one or more GCI flags are indicated, and/or one or more values of one or more GCI flags.

18. The apparatus of claim 17, wherein the conversion is performed according to a second rule, a third rule or a fourth rule, wherein

wherein the second rule specifies that a byte alignment syntax in the GCI syntax structure is after one or more GCI reserved fields;

wherein the third rule specifies that a first GCI syntax element indicating a number of reserved GCI bits is included in the bitstream, or

wherein the fourth rule specifies that a second GCI syntax element is included at a beginning of the GCI syntax structure, wherein the second GCI syntax element indicates whether one or more GCI syntax elements are included in the GCI syntax structure.

19. A non-transitory computer-readable storage medium storing instructions that cause a processor to:

perform a conversion between a video comprising one or more pictures and a bitstream of the video according to a first rule,

wherein the first rule specifies that a general constraint information (GCI) syntax structure in a profile-tier-level syntax structure is after a syntax element,

wherein the syntax structure comprises information related to general constraint information (GCI) for the bitstream, and

wherein the syntax element indicates a level to which one or more output layer sets conform.

20. A non-transitory computer-readable recording medium storing a bitstream of a video which is generated by a method performed by a video processing apparatus, wherein the method comprises:

generating a bitstream of a video comprising one or more pictures according to a first rule,

wherein the first rule specifies that a general constraint information (GCI) syntax structure in a profile-tier-level syntax structure is after a syntax element,

wherein the syntax structure comprises information related to general constraint information (GCI) for the bitstream, and

wherein the syntax element indicates a level to which one or more output layer sets conform.

~~1. A method of video processing, comprising:~~

~~performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a rule,~~

~~wherein the rule specifies that a syntax structure in a profile-tier-level syntax structure is after a syntax element,~~

~~wherein the syntax structure comprises information related to general constraint information (GCI) for the bitstream, and~~

~~wherein the syntax element indicates a level to which an output layer set associated with the profile-tier-level syntax structure conforms.~~

~~2. The method of claim 1, wherein the information related to the GCI indicates whether one or more GCI flags are indicated.~~

3. The method of claim 1 or 2, wherein the syntax structure is immediately after the syntax element.

4. The method of any of claims 1 to 3, wherein the syntax structure is a general_constraint_info( ) syntax structure and the syntax element is a general_level_idc syntax element.

5. A method of video processing, comprising:

performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a rule,

wherein the rule specifies that a byte alignment syntax in a general constraint information (GCI) syntax structure is after one or more GCI reserved fields,

wherein the byte alignment syntax indicates whether a current position in the bitstream is an integer multiple of 8 bits from a position of a first bit in the bitstream, and

wherein the GCI syntax structure comprises GCI related syntax elements.

6. The method of claim 5, wherein the byte alignment syntax is at an end of the GCI syntax structure.

7. The method of claim 5 or 6, wherein the byte alignment syntax comprises a gci_alignment_zero_bit field and its syntax condition, and the GCI syntax structure is a general_constraint_info( ) syntax structure.

8. A method of video processing, comprising:

performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a rule,

wherein the rule specifies that a syntax structure in a profile-tier-level syntax structure is after an indication of level information,

wherein the syntax structure comprises information related to general constraint information (GCI), and

wherein the indication of level information specifies an interoperability indicator.

9. The method of claim 8, wherein the syntax structure is a general_constraint_info( ) syntax structure and the indication is a general_sub_profile_idc[i] syntax element.

10. A method of video processing, comprising:

performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a rule,

wherein rule specifies that a syntax element in a profile-tier-level syntax structure indicates whether a general constraint information (GCI) syntax structure is included in the profile-tier-level syntax structure.

11. The method of claim 10, wherein the syntax element is a first flag.

12. The method of claim 11, wherein the first flag equaling one and a second flag equaling one indicates that the GCI syntax structure is present in the profile-tier-level syntax structure.

13. The method of claim 12, wherein the second flag is profileTierPresentFlag.

14. The method of claim 11, wherein the first flag equaling zero indicates that the GCI syntax structure is not present in the profile-tier-level syntax structure.

15. The method of claim 11, wherein the GCI syntax structure comprises one or more GCI fields, and wherein semantics of the one or more GCI fields only apply when the first flag is equal to one.

16. The method of claim 11, wherein an inclusion of the first flag in the profile-tier-level syntax structure is based on a value of a second flag.

17. The method of claim 16, wherein the second flag is profileTierPresentFlag.

18. The method of any of claims 11 to 17, wherein the first flag is gci_present_flag.

19. A method of video processing, comprising:

performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a rule,

wherein the rule specifies that a byte alignment syntax is excluded from a general constraint information (GCI) syntax structure that is present in the profile-tier-level syntax structure,

wherein the byte alignment syntax indicates whether a current position in the bitstream is an integer multiple of 8 bits from a position of a first bit in the bitstream, and

wherein the GCI syntax structure comprises a GCI related syntax element.

20. The method of claim 19, wherein the byte alignment syntax comprises a gci_alignment_zero_bit field and its syntax condition, and the GCI syntax structure is a general_constraint_info( ) syntax structure.

21. The method of claim 19, wherein the rule further specifies that a number of a plurality of reserved constraint bits associated with the GCI related syntax element is included in the bitstream.

22. The method of claim 21, wherein the rule further specifies that a value of each of the plurality of reserved constraint bits is included in the bitstream.

23. The method of claim 22, wherein the GCI syntax element is gci_num_reserved_bits.

24. The method of claim 22, wherein the syntax element is coded as an unsigned 11-bit integer.

25. The method of claim 22, wherein the value of each of the plurality of reserved constraint bits is coded as an unsigned 1-bit integer.

26. A method of video processing, comprising:

performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a rule,

wherein the rule specifies that a general constraint information (GCI) syntax structure is immediately before a byte alignment checking condition in a profile-tier-level syntax structure,

wherein the GCI syntax structure comprises GCI related syntax elements, and

wherein the byte alignment checking condition checks whether a current position in the bitstream is an integer multiple of 8 bits from a position of a first bit in the bitstream.

27. The method of claim 26, wherein the GCI syntax structure is a general_constraint_info( ) syntax structure, and wherein the byte alignment checking condition is based on a byte_aligned( ) syntax element.

28. The method of any of claims 1 to 27, wherein the conversion comprises decoding the video from the bitstream.

29. The method of any of claims 1 to 27, wherein the conversion comprises encoding the video into the bitstream.

30. A method of storing a bitstream representing a video to a computer-readable recording medium, comprising:

generating the bitstream from the video according to a method described in any one or more of claims 1 to 27; and

storing the bitstream in the computer-readable recording medium.

31. A video processing apparatus comprising a processor configured to implement a method recited in any one or more of claims 1 to 30.

32. A computer-readable medium having instructions stored thereon, the instructions, when executed, causing a processor to implement a method recited in one or more of claims 1 to 30.

33. A computer readable medium that stores the bitstream generated according to any one or more of claims 1 to 30.

34. A video processing apparatus for storing a bitstream, wherein the video processing apparatus is configured to implement a method recited in any one or more of claims 1 to 30.