CLAIMS:

1. A method for video decoding, comprising:

determining a parameter based on prediction information of a coded video bitstream, the parameter being in a range from 0 to 5-sps_sbtmvp_enabled_flag and an upper range (5-sps_sbtmvp_enabled_flag) being dependent only on sps_sbtmvp_enabled_flag, wherein the sps_sbtmvp_enabled_flag equal to 1 specifies that subblock based temporal motion vector predictors are used in decoding pictures with slices having a slice type not equal to I (intra coded) in a coded video, and wherein the sps_sbtmvp_enabled_flag equal to 0 specifies that the subblock based temporal motion vector predictors are not used in the coded video;

determining a maximum number of candidates in subblock based merge candidate lists based on the parameter; and

when a current block is coded with a subblock based prediction mode, reconstructing samples of the current block based on a candidate selection from a constructed subblock based merge candidate list of the current block, the constructed subblock based merge candidate list of the current block being constrained by the maximum number of candidates in the subblock based merge candidate lists.

2. The method of claim 1, wherein the determining the maximum number of candidates further comprises:

determining the maximum number of candidates by subtracting the parameter from a default number.

3. The method of claim 2, wherein the default number is 5.

4. The method of claim 1, further comprising:

decoding the parameter signaled in the coded video bitstream.

5. The method of claim 1, further comprising:

inferring the parameter based on a default number and the sps_sbtmvp_enabled_flag when the parameter is not signaled in the coded video bitstream.

6. The method of claim 1, wherein the sps_sbtmvp_enabled_flag is included at a sequence parameter set (SPS) level of the coded video bitstream.

7. A method for video encoding, comprising:

determine a maximum number of candidates in subblock based merge candidate lists for coding a video bitstream,

determine a parameter corresponding to the video bitstream based on the determined maximum number of candidates, the parameter being in a range from 0 to 5-sps_sbtmvp_enabled_flag and an upper range (5-sps_sbtmvp_enabled_flag) being dependent only on sps_sbtmvp_enabled_flag, wherein the sps_sbtmvp_enabled_flag equal to 1 specifies that subblock based temporal motion vector predictors are used in decoding of pictures with slices having slice type not equal to I (intra coded) in a coded video, and wherein the sps_sbtmvp_enabled_flag equal to 0 specifies that the subblock based temporal motion vector predictors are not used in the coded video; and

when a current block is to be encoded with a subblock based prediction mode, encode samples of the current block based on a candidate selection from a constructed subblock based merge candidate list of the current block, the constructed subblock based merge candidate list of the current block being constrained by the maximum number of candidates in the subblock based merge candidate lists.

8. The method of claim 7, wherein the processing circuitry is further configured to:

determine the parameter by subtracting the determined maximum number of candidates in the subblock based merge candidate lists from a default number.

9. The method of claim 8, wherein the default number is 5.

10. The method of claim 7, wherein the processing circuitry is configured to transmit the determined parameter with the coded video bitstream.

11. The method of claim 7, wherein the determined parameter is not signaled in the coded video bitstream.

12. The method of claim 7, wherein the sps_sbtmvp_enabled_flag is included at a sequence parameter set (SPS) level of the coded video bitstream.

13. An apparatus for video decoding, comprising:

a processing circuitry configured to perform the method as claimed in any one of claims 1 to 6.

14. An apparatus for video encoding, comprising:

a processing circuitry configured to perform the method as claimed in any one of claims 7 to 12.

15. A method for video coding in an encoder, comprising: generating a bitstream; and storing the encoded bitstream, wherein generating the bitstream comprises the method as claimed in any one of claims 7 to 12.

16. A non-transitory computer-readable medium storing instructions which when executed by a computer, cause the computer to perform the method according to any one of claims 1 to 12.