|  |  |
| --- | --- |
| **Joint Collaborative Team on Video Coding (JCT-VC)**  **of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11**  10th Meeting: Stockholm, Sweden, July 11-20, 2012 | Document: JCTVC-J0080  M25402 |

|  |  |  |  |
| --- | --- | --- | --- |
| *Title:* | **AHG9: On number of slices per picture limit** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Proposal | | |
| *Author(s) or Contact(s):* | Minhua Zhou Texas Instruments Inc., USA | Tel: Email:  : | +1-214-480-3816 [zhou@ti.com](mailto:zhou@ti.com) |
| *Source:* | Texas Instruments Inc; | | |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Abstract

In HM7.0 it is a CABAC reset mandated at the end of each LCU row when WPP is in use and the end of each tile when tiles are enabled. Due to CABAC reset, a WPP or a tile has approximately same high-level decoder overhead as an entropy slice. However, in the current specification of number of slices per picture limit, only regular slices, dependent slices and entropy slices are counted. Therefore, it is recommended to include both number of WPPs and number of tiles into the number of slices per picture limit. Note that this contribution does not request to increase the current limit of maximum number of slices allowed for a picture at different levels.

# References

[1] [B. Bross](mailto:benjamin.bross@hhi.fraunhofer.de), [W.-J. Han](mailto:wjhan.han@samsung.com), [J.-R. Ohm](mailto:ohm@ient.rwth-aachen.de), [G. J. Sullivan](mailto:garysull@microsoft.com), [T. Wiegand](mailto:thomas.wiegand@hhi.fraunhofer.de) “High Efficiency Video Coding (HEVC) text specification draft 7,” JCT-VC Document, JCTVC-I1003, 9th Meeting: Geneva, Switzerland, 27 April – 07 May, 2012.

# Patent rights declaration(s)

**Texas Instruments, Inc. does not have IPR relating to the technology described in this contribution and, conditioned on reciprocity.**

# CD text

N/A because the relevant subcluase is not updated in the CD draft yet. Will be added later.