|  |  |
| --- | --- |
| **Joint Collaborative Team on Video Coding (JCT-VC)**  **of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11**  10th Meeting: Stockholm, SE, 11–20 July 2012 | Document: JCTVC-J0538 |

|  |  |  |  |
| --- | --- | --- | --- |
| *Title:* | **Mental Cross-check of JCTVC-J0118** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Information | | |
| *Author(s) or Contact(s):* | Sachin Deshpande  5750 NW Pacific Rim Blvd Camas, WA 98607 | Tel: Email: | +1-360-817-8486  [sdeshpande@sharplabs.com](mailto:ikai.tomohiro@sharp.co.jp) |
| *Source:* | SHARP | | |

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

# Abstract

This document provides a mental cross-check for JCTVC-J0118 - On signalling of MSB cycle for long-term reference pictures” [1].

# Cross-check

The proposal in JCTVC-J0118 is claimed to have been understood by the author of this document.

A summary of the author’s understanding of the proposal in JCTVC-J0118 is as follows:

* Changes to the semantics of the syntax elements poc\_lsb\_lt[ i ], delta\_poc\_msb\_present\_flag[ i ], and delta\_poc\_msb\_cycle\_lt[ i ] are proposed to improve the efficiency of signalling the MSB cycle for long-term reference pictures in the slice header.
* Also related to the semantics change, changes to the RPS derivation process are also proposed, including swapping of the order of STRP and LTRP subset derivations, such that the STRP subset is derived first.

# References

1. A. K. Ramasubromonian, R. Joshi, Y. K. Wang, “On signalling of MSB cycle for long-term reference pictures,”11- 20 July, 2012, JCTVC-J0118