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| **Joint Collaborative Team on 3D Video Coding Extension Development**  **of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11**  2nd Meeting: Shanghai, CN, 13–19 Oct. 2012 | Document: JCT3V-B0057 |

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| *Title:* | **Proposed working draft modifications of JCT3V-B0057** | | |
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| *Purpose:* | Proposal | | |
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# Abstract

This document provides text for Working Draft of 3D-AVC. All the changes are tracked.

# Syntax table

*In 7.3.5,Macroblock layer syntax, replace the syntax table with:*

|  |  |  |
| --- | --- | --- |
| macroblock\_layer( ) { | **C** | **Descriptor** |
| if ( IvmpEnabledFlag ) |  |  |
| **mb\_ivmp\_flag** |  | u(1) | ae(v) |
| if (!mb\_ivmp\_flag) { |  |  |
| if( DepthFlag && disp\_flag ) |  |  |
| **mb\_disp\_flag** |  | u(1) | ae(v) |
| if(!mb\_disp\_flag){ |  |  |
| **mb\_type** | 2 | ue(v) | ae(v) |
| … |  |  |

# Semantics

**mb\_ivmp\_flag** equal to 1 indicates that the mb\_type and motion information of the current macroblock are not present and are derived from the one or four co-located macroblocks of the texture view component (depending on reduced\_resolution\_flag is 0 or 1, respectively) in the same view component pair. mb\_ivmp\_flag equal to 0 indicates that the mb\_type and motion information are present. The motion information includes reference indices and motion vectors. When not present, this flag is inferred to be equal to 0.

mb\_ivmp\_flag should be equal to 0 if one of the following conditions is satisfied:

– if reduced\_resolution\_flag is equal to 0, the co-located macroblock in the texture view component is intra coded, or view synthesis prediction is included for any partition in current macroblock. The co-located macroblock in the texture view component is specified in subclause J.8.3.3.1.

– if reduced\_resolution\_flag is equal to 1 and if any of the four co-located macroblocks in the texture view component is intra coded, or its mb\_type equal to equal to P\_8x8, P\_8x8ref0, or B\_8x8, or view synthesis prediction is included. The relationsip between current macroblock in the depth view component and its four co-located macroblocks in the texture view component is specified in subclause J.8.3.3.1.