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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**  3rd Meeting: Geneva, CH, 17–23 Jan. 2013 | Document: JCT3V-C0047\_proposed text |

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| *Title:* | **Proposed text for JCT3V-C0047 based on 3D-HEVC Test Model 2** | | |
| *Status:* | Input Document | | |
| *Purpose:* | Proposal | | |
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# Abstract

This document provides text for Draft 2 of 3D-HEVC Test Model Description. All the changes are highlighted in blue.

G.8.1 General decoding process

The specifications in subclause F.8.1 apply with the following modification.

* …
* When dlt\_flag is equal to 1, the decoding process for the depth lookup table in subclause G.8.3.6 is invoked at the beginning of the decoding process of first slice.
* At the beginning of the decoding process for each P or B slice, the decoding process for reference picture lists construction specified in subclause G.8.3.9 is invoked for derivation of reference picture list 0 (RefPicList0), and when decoding a B slice, reference picture list 1 (RefPicList1).

G.8.3.9 Derivation process for the additional target reference index for TMVP in merge mode

This process is invoked when the current slice is a P or B slice. Additional target reference indices refIdxL0A and refIdxL1A are derived.

Set variables refIdxL0A and refIdxL1A both to -1.

The following apply to derive refIdxL0A.

bZeroIdxLongTermFlagL0 = RefPicList0[ 0 ] is a short-term reference picture ? 0 : 1  
bFound = 0  
for( i = 1; i <= num\_ref\_idx\_l0\_active\_minus1&&! bFound; i++)  
 if ( (bZeroIdxLongTermFlagL0 && RefPicList0[ i ] is a short-term reference picture) | |  
 (!bZeroIdxLongTermFlagL0 && RefPicList0[ i ] is an inter-view reference picture) ) {  
 refIdxL0A = i  
 bFound =1  
 }

When the slice is a B slice, the following apply to derive refIdxL1A.

bZeroIdxLongTermFlagL1 = RefPicList1[ 0 ] is a short-term reference picture ? 0 : 1  
bFound = 0  
for( i = 1; i <= num\_ref\_idx\_l1\_active\_minus1&&! bFound; i++)  
 if ( (bZeroIdxLongTermFlagL1 && RefPicList1[ i ] is a short-term reference picture) | |  
 (!bZeroIdxLongTermFlagL1 && RefPicList1[ i ] is an inter-view reference picture) ) {  
 refIdxL1A = i  
 bFound =1  
 }

Low-level changes could be referred to the other related proposals, i.e., JCTVC-L0257 and JCT3V-C0064.