**vps\_temporal\_id\_nesting\_flag** specifies whether inter prediction is additionally restricted for the coded video sequence.

Dependent on vps\_temporal\_id\_nesting\_flag, the following applies.

– If vps\_temporal\_id\_nesting\_flag is equal to 0, additional constraints may not be obeyed.

– Otherwise (vps\_temporal\_id\_nesting\_flag is equal to 1), the following applies.

– For each access unit auA with temporal\_id equal to tIdA, an access unit auB with temporal\_id equal to tIdB that is less than or equal to tIdA shall not be referenced by inter prediction when there exists an access unit auC with temporal\_id equal to tIdC that is less than tIdB, which follows the access unit auB and precedes the access unit auA in decoding order.

When vps\_max\_temporal\_layers\_minus1 is equal to 0, vps\_temporal\_id\_nesting\_flag shall be undefined.

NOTE 1 – The syntax element vps\_temporal\_id\_nesting\_flag is used to indicate that temporal up-switching, i.e., switching from decoding of up to a specific temporal\_id tIdN to decoding up to a temporal\_id tIdM that is greater than tIdN, is always possible.

**sps\_temporal\_id\_nesting\_flag** specifies whether inter prediction is additionally restricted for the coded video sequence. sps\_temporal\_id\_nesting\_flag shall be equal to vps\_temporal\_id\_nesting\_flag.

Dependent on sps\_temporal\_id\_nesting\_flag, the following applies.

– If sps\_temporal\_id\_nesting\_flag is equal to 0, additional constraints may not be obeyed.

– Otherwise (sps\_temporal\_id\_nesting\_flag is equal to 1), the following applies.

– For each access unit auA with temporal\_id equal to tIdA, an access unit auB with temporal\_id equal to tIdB that is less than or equal to tIdA shall not be referenced by inter prediction when there exists an access unit auC with temporal\_id equal to tIdC that is less than tIdB, which follows the access unit auB and precedes the access unit auA in decoding order. [Ed. Note (GJS/YK): It might be better to express the constraint on inter prediction to be a constraint on the final reference picture list.

When sps\_max\_temporal\_layers\_minus1 is equal to 0, sps\_temporal\_id\_nesting\_flag shall be undefined.

NOTE 6 – The syntax element sps\_temporal\_id\_nesting\_flag is used to indicate that temporal up-switching, i.e., switching from decoding of up to a specific temporal\_id tIdN to decoding up to a temporal\_id tIdM that is greater than tIdN, is always possible.