

**Joint Video Experts Team (JVET)
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29/WG 11**

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Title: AHG9: Fixes to subpicture signing for digitally signed content SEI messages

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Purpose: Proposal

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Source: Ericsson

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Abstract

This contribution proposes the following fixes to digitally signed content (DSC) SEI messages for subpicture/region-based signing in the VSEI TuC:

Remove `dsci_num_separate_picture_segments_minus1` from the syntax table. This syntax element appears not to be used.

Change `dsci_picture_segment_mode_flag` to `dscs_picture_segment_mode_flag` in the semantics for the digitally signed content selection (DSCS) SEI message.

Change `dscs_picture_segment_id[ i ][ j ]` to `dsci_picture_segment_id[ i ][ j ]` in the semantics for the digitally signed content initialization (DSCI) SEI message.

Infer the values of `dsci_picture_segment_mode_flag` and `dscs_picture_segment_mode_flag` to be equal to 0 when not present.

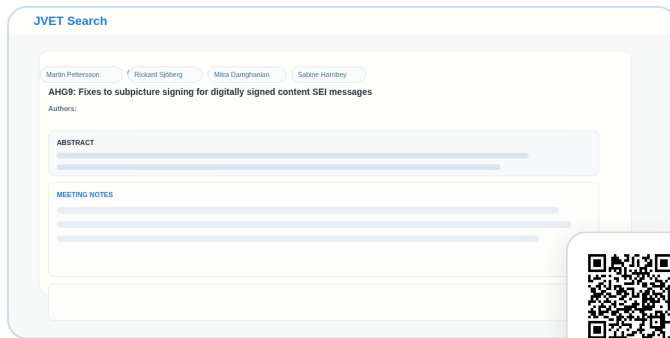
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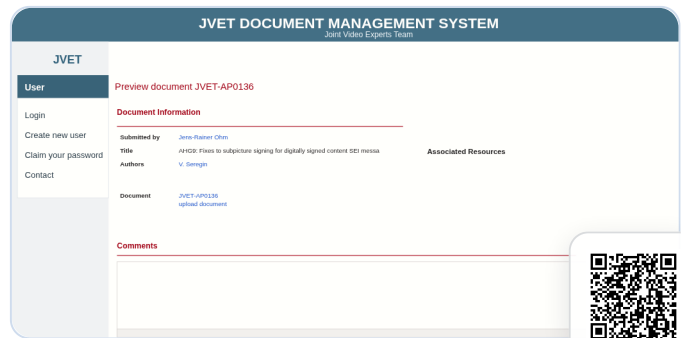
https://jvet-experts.org/doc_end_user/documents/42_SantaEularia/wg11/JVET-AP0136-v1.zip



SOURCE

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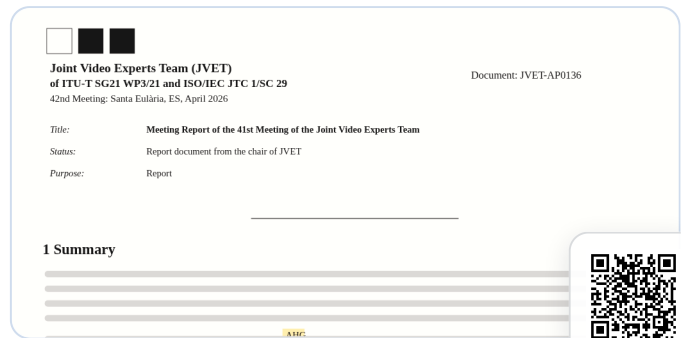
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MEETING NOTES

external meeting notes

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MEETING NOTES

[JVET-AP0136](#) AHG9: Fixes to subpicture signing for digitally signed content SEI messages [M. Pettersson, R. Sjöberg, M. Damghanian, S. Harribey (Ericsson)]

This contribution proposes the following fixes to digitally signed content (DSC) SEI messages for subpicture/region-based signing in the VSEI TuC:

1. Remove `dsci_num_separate_picture_segments_minus1` from the syntax table. This syntax element appears not to be used.
2. Change `dsci_picture_segment_mode_flag` to `dscs_picture_segment_mode_flag` in the semantics for the digitally signed content selection (DSCS) SEI message.
3. Change `dscs_picture_segment_id[ i ][ j ]` to `dsci_picture_segment_id[ i ][ j ]` in the semantics for the digitally signed content initialization (DSCI) SEI message.
4. Infer the values of `dsci_picture_segment_mode_flag` and `dscs_picture_segment_mode_flag` to be equal to 0 when not present.
5. Set the constraints for the value range of `dsci_num_picture_segments_minus1[ i ]` and `dsci_picture_segment_id[ i ][ j ]` only when they are present. Alternatively, infer these values to be equal to 0 when not present.
6. Change from past tense to present tense in the semantics of `dscs_skip_flag` by changing “indicated” to “indicates”.

The group agreed to all six items.

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CITATION

M. Pettersson, R. Sjöberg, M. Damghanian, S. Harribey, "AHG9: Fixes to subpicture signing for digitally signed content SEI messages", JVET-AP0136, 42nd Meeting: Santa Eulària, ES, April 2026.