

**Joint Video Experts Team (JVET)
of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**

25th Meeting, by teleconference, 12-21 January 2022

Document: JVET-Y0242-v1

MPEG: m59105

Title: AHG8: On SPS extension syntax

Status: Input document to JVET

Purpose: Proposal

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Source: ByteDance

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Abstract

JVET-Y0237 provides three text options on GCI extension for the JVET to choose, for fixing some asserted bugs reported in JVET-Y0049 and JVET-Y0190.

This contribution presents a conditional proposal of a change to the SPS extension syntax, depending on JVET's decision on JVET-Y0237 text options. If JVET chooses option A or B in JVET-Y0237, the SPS extension change is proposed, for an asserted alignment of the two extensions following the same design principle, in terms of handling different forward and backward compatibilities in similar manners. If JVET chooses option C in Y0237, the SPS extension change is not proposed, for the same purpose.

The SPS extension change is as follows (only syntax change, no semantics change):

The SPS extension in JVET-X2005

The draft VVC amendment in JVET-X2005 includes an extension to the SPS, as follows:

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CARD

<http://vexpertise.stbit.ru/documents/JVET-Y0242>



https://jvet-experts.org/doc_end_user/documents/25_Teleconference/wg11/JVET-Y0242-v1.zip



https://jvet-experts.org/doc_end_user/current_document.php?id=11451



http://vexpertise.stbit.ru/meeting-notes/source/meeting_25_y



MEETING NOTES

[JVET-Y0242](#) AHG8: On SPS extension syntax [Y.-K. Wang (Bytedance)] [late]

JVET-Y0237 provides three text options on GCI extension for the JVET to choose, for fixing some asserted bugs reported in JVET-Y0049 and JVET-Y0190.

This contribution presents a conditional proposal of a change to the SPS extension syntax, depending on JVET's decision on JVET-Y0237 text options. If JVET were to choose option A or B in JVET-Y0237, the SPS extension change would be proposed, for an asserted alignment of the two extensions following the same design principle, in terms of handling different forward and backward compatibilities in similar manners. If JVET were to choose option C in JVET-Y0237, the SPS extension change would not be proposed, for the same purpose.

There was no need for consideration of this, as “option C” was selected for JVET-Y0237.

Test conditions (6)

Contributions in this area were discussed in session 15 at 2100–2240 UTC on Monday 17 Jan. 2022 (chaired by JRO).

CITATION

Y.-K. Wang, "AHG8: On SPS extension syntax", JVET-Y0242, 25th Meeting: by teleconference, January 2022.

REFERENCES

1. [F. Bossen, B. Bross, T. Ikai, D. Rusanovskyy, G. J. Sullivan, Y.-K. Wang, "VVC operation range extensions \(Draft 5\)", JVET-X2005, 25th Meeting: by teleconference, October 2021.](#)
2. [Y.-K. Wang, "AHG2/AHG8: On the range extensions GCI flags", JVET-Y0049, 25th Meeting: by teleconference, January 2022.](#)
3. [J. Gan, Y. Yu, H. Yu, "AHG2/AHG8: Suggestions for the operation range extensions GCI", JVET-Y0190, 25th Meeting: by teleconference, January 2022.](#)
4. [J. Gan, Y.-K. Wang, "Integrated specification text for JVET-Y0049 and JVET-Y0190", JVET-Y0237, 25th Meeting: by teleconference, January 2022.](#)