



**INTERNATIONAL STANDARD ISO/IEC 14496-4:2004/Amd.1:2005**  
**TECHNICAL CORRIGENDUM 1**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION  
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

**Information technology — Coding of audio-visual objects —**  
**Part 4:**  
**Conformance testing**

AMENDMENT 1: Conformance testing for MPEG-4

TECHNICAL CORRIGENDUM 1

*Technologies de l'information — Codage des objets audiovisuels —*

*Partie 4: Essai de conformité*

*AMENDEMENT 1: Essai de conformité pour MPEG-4*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO/IEC 14496-4:2004/Amd.1:2005 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

In subclause 5.8.2, replace the following table for the missing or invalid conformance bitstreams:

| Categories | Bitstream | Donated by  | Bitstream Name           | Profile Name |                 |    |    |    |    |    |     |    |    |    |    |    |
|------------|-----------|-------------|--------------------------|--------------|-----------------|----|----|----|----|----|-----|----|----|----|----|----|
|            |           |             |                          | Simple       | Advanced Simple |    |    |    |    |    | FGS |    |    |    |    |    |
|            |           |             |                          | L0           | L0              | L1 | L2 | L3 | L4 | L5 | L0  | L1 | L2 | L3 | L4 | L5 |
| General    | GE-3      | GI          | vcon-ge3.comp            |              |                 |    |    |    | S  |    |     |    |    |    |    |    |
|            | GE-13     | Siemens     | vcon-ge13-L0.bits        | S            |                 |    |    |    |    |    |     |    |    |    |    |    |
|            | GE-13     | Mitsubishi  | vcon-ge13-L0.bits        |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | GE-13     | Mitsubishi  | vcon-ge13-L1.bits        |              |                 | S  |    |    |    |    |     |    |    |    |    |    |
|            | GE-13     | Mitsubishi  | vcon-ge13-L2.bits        |              |                 |    | S  |    |    |    |     |    |    |    |    |    |
|            | GE-13     | Mitsubishi  | vcon-ge13-L3.bits        |              |                 |    |    | S  |    |    |     |    |    |    |    |    |
|            | GE-13     | Mitsubishi  | vcon-ge13-L4.bits        |              |                 |    |    |    | S  |    |     |    |    |    |    |    |
|            | GE-13     | Mitsubishi  | vcon-ge13-L5.bits        |              |                 |    |    |    |    | S  |     |    |    |    |    |    |
|            | GE-16     | Siemens     | vcon-ge16-L0.bits        | S            |                 |    |    |    |    |    |     |    |    |    |    |    |
|            | GE-16     | Mitsubishi  | vcon-ge16-L0.bits        |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | GE-16     | Mitsubishi  | vcon-ge16-L1.bits        |              |                 | S  |    |    |    |    |     |    |    |    |    |    |
|            | GE-16     | Mitsubishi  | vcon-ge16-L2.bits        |              |                 |    | S  |    |    |    |     |    |    |    |    |    |
|            | GE-16     | Mitsubishi  | vcon-ge16-L3.bits        |              |                 |    |    | S  |    |    |     |    |    |    |    |    |
|            | GE-16     | Mitsubishi  | vcon-ge16-L4.bits        |              |                 |    |    |    | S  |    |     |    |    |    |    |    |
|            | GE-16     | Mitsubishi  | vcon-ge16-L5.bits        |              |                 |    |    |    |    | S  |     |    |    |    |    |    |
|            | GE-18     | GI          | vcon-ge18.comp           |              |                 |    |    | S  |    |    |     |    |    |    |    |    |
|            | GE-24     | GI          | vcon-ge24.comp           |              |                 |    |    | S  |    |    |     |    |    |    |    |    |
|            | GE-25     | GI          | vcon-ge25.comp           |              |                 |    |    | S  |    |    |     |    |    |    |    |    |
|            | er-2-1    | Siemens     | Vcon-er2-1.comp          | S            |                 |    |    |    |    |    |     |    |    |    |    |    |
|            | er-2-1    | Toshiba     | Vcon-er2-1.comp          |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | er-3-1    | Siemens     | Vcon-er3-1.comp          | S            |                 |    |    |    |    |    |     |    |    |    |    |    |
|            | er-3-1    | Toshiba     | Vcon-er3-1.comp          |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-1    | Bosch       | vcon_a1ge_1_ace_l4.bits  |              |                 |    |    |    | X  |    |     |    |    |    |    |    |
|            | A1GE-1    | Bosch       | vcon_a1ge_1_ace_l5.bits  |              |                 |    |    |    |    | X  |     |    |    |    |    |    |
|            | A1GE-2    | Univ. Hann. | a1ge-2_ace_l4.bits       |              |                 |    |    |    | X  |    |     |    |    |    |    |    |
|            | A1GE-2    | Univ. Hann. | a1ge-2_ace_l5.bits       |              |                 |    |    |    |    | X  |     |    |    |    |    |    |
|            | A1GE-3    | Hitachi     | vcon-asp3L4.bits         |              |                 |    |    |    | X  |    |     |    |    |    |    |    |
|            | A1GE-3    | Hitachi     | vcon-asp3L5.bits         |              |                 |    |    |    |    | X  |     |    |    |    |    |    |
|            | A1GE-4    | Univ. Hann. | a1ge-4_ace.bits          |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-5    | Hitachi     | vcon-asp5L0.bits         |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-6    | Hitachi     | vcon-asp6L0.bits         |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-7    | Hitachi     | vcon-asp7L0.bits         |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-8    | Hitachi     | vcon-asp8L0.bits         |              | S               |    |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-9    | Univ. Hann. | a1ge-9_ace_l0.bits       |              | X               |    |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-9    | Univ. Hann. | a1ge-9_ace_l1.bits       |              |                 | X  |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-9    | Univ. Hann. | a1ge-9_ace_l2.bits       |              |                 |    | X  |    |    |    |     |    |    |    |    |    |
|            | A1GE-9    | Univ. Hann. | a1ge-9_ace_l3.bits       |              |                 |    |    | X  |    |    |     |    |    |    |    |    |
|            | A1GE-9    | Univ. Hann. | a1ge-9_ace_l4.bits       |              |                 |    |    |    | X  |    |     |    |    |    |    |    |
|            | A1GE-9    | Univ. Hann. | a1ge-9_ace_l5.bits       |              |                 |    |    |    |    | X  |     |    |    |    |    |    |
|            | A1GE-10   | Bosch       | vcon_a1ge_10_ace_l0.bits |              | X               |    |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-10   | Bosch       | vcon_a1ge_10_ace_l1.bits |              |                 | X  |    |    |    |    |     |    |    |    |    |    |
|            | A1GE-10   | Bosch       | vcon_a1ge_10_ace_l2.bits |              |                 |    | X  |    |    |    |     |    |    |    |    |    |
|            | A1GE-10   | Bosch       | vcon_a1ge_10_ace_l3.bits |              |                 |    |    | X  |    |    |     |    |    |    |    |    |

| Categories | Bitstream | Donated by  | Bitstream Name           | Profile Name |                 |   |   |   |   |     |   |   |   |   |   |
|------------|-----------|-------------|--------------------------|--------------|-----------------|---|---|---|---|-----|---|---|---|---|---|
|            |           |             |                          | Simple       | Advanced Simple |   |   |   |   | FGS |   |   |   |   |   |
|            | A1GE-11   | Hitachi     | vcon-asp11L0.bits        |              | X               |   |   |   |   |     |   |   |   |   |   |
|            | A1GE-11   | Hitachi     | vcon-asp11L1.bits        |              |                 | X |   |   |   |     |   |   |   |   |   |
|            | A1GE-11   | Hitachi     | vcon-asp11L2.bits        |              |                 |   | X |   |   |     |   |   |   |   |   |
|            | A1GE-11   | Hitachi     | vcon-asp11L3.bits        |              |                 |   |   | X |   |     |   |   |   |   |   |
|            | A1GE-12   | Univ. Hann. | a1ge-12_ace_l0.bits      |              | X               |   |   |   |   |     |   |   |   |   |   |
|            | A1GE-12   | Univ. Hann. | a1ge-12_ace_l1.bits      |              |                 | X |   |   |   |     |   |   |   |   |   |
|            | A1GE-12   | Univ. Hann. | a1ge-12_ace_l2.bits      |              |                 |   | X |   |   |     |   |   |   |   |   |
|            | A1GE-12   | Univ. Hann. | a1ge-12_ace_l3.bits      |              |                 |   |   | X |   |     |   |   |   |   |   |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_ace_l0.bits |              | X               |   |   |   |   |     |   |   |   |   |   |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_ace_l1.bits |              |                 | X |   |   |   |     |   |   |   |   |   |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_ace_l2.bits |              |                 |   | X |   |   |     |   |   |   |   |   |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_ace_l3.bits |              |                 |   |   | X |   |     |   |   |   |   |   |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_ace_l4.bits |              |                 |   |   |   | X |     |   |   |   |   |   |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_ace_l5.bits |              |                 |   |   |   |   | X   |   |   |   |   |   |
|            | A1GE-14   | Hitachi     | vcon-asp14L0.bits        |              | S               |   |   |   |   |     |   |   |   |   |   |
|            | A1GE-14   | Hitachi     | vcon-asp14L1.bits        |              |                 | S |   |   |   |     |   |   |   |   |   |
|            | A1GE-14   | Hitachi     | vcon-asp14L4.bits        |              |                 |   |   |   | S |     |   |   |   |   |   |
| FGS        | A3FGS-1   | Webcast     | a3fgs-1.cmp              |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-2   | Webcast     | a3fgs-2.cmp              |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-3   | Webcast     | a3fgs-3.cmp              |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-4   | Webcast     | a3fgs-4.cmp              |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-5   | Philips     | a3fgs-5.cmp              |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-6   | Intel       | a3fgs-6.cmp              |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-7   | Microsoft   | a3fgs-7.cmp              |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-8   | Intel       | a3fgs-8.cmp              |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-9   | Webcast     | a3fgs-9.cmp              |              |                 |   |   |   |   |     |   |   |   | S |   |
|            | A3FGS-10  | Webcast     | a3fgs-10.cmp             |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-11  | Webcast     | a3fgs-11.cmp             |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-12  | Philips     | a3fgs-12.cmp             |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-13  | Intel       | a3fgs-13.cmp             |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-14  | Philips     | a3fgs-14.cmp             |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-15  | Philips     | a3fgs-15.cmp             |              |                 |   |   |   |   |     |   |   |   | S |   |
|            | A3FGS-16  | Philips     | a3fgs-16.cmp             |              |                 |   |   |   |   | S   |   |   |   |   |   |
|            | A3FGS-17  | ETRI        | a3fgs-17-L0.cmp          |              |                 |   |   |   |   | X   |   |   |   |   |   |
|            | A3FGS-17  | ETRI        | a3fgs-17-L1.cmp          |              |                 |   |   |   |   |     | X |   |   |   |   |
|            | A3FGS-17  | ETRI        | a3fgs-17-L2.cmp          |              |                 |   |   |   |   |     |   | X |   |   |   |
|            | A3FGS-17  | ETRI        | a3fgs-17-L3.cmp          |              |                 |   |   |   |   |     |   |   | X |   |   |
|            | A3FGS-17  | ETRI        | a3fgs-17-L4.cmp          |              |                 |   |   |   |   |     |   |   |   | X |   |
|            | A3FGS-17  | ETRI        | a3fgs-17-L5.cmp          |              |                 |   |   |   |   |     |   |   |   |   | X |
|            | A3FGS-18  | ETRI        | a3fgs-18-L0.cmp          |              |                 |   |   |   |   | X   |   |   |   |   |   |
|            | A3FGS-18  | ETRI        | a3fgs-18-L1.cmp          |              |                 |   |   |   |   |     | X |   |   |   |   |
|            | A3FGS-18  | ETRI        | a3fgs-18-L2.cmp          |              |                 |   |   |   |   |     |   | X |   |   |   |
|            | A3FGS-18  | ETRI        | a3fgs-18-L3.cmp          |              |                 |   |   |   |   |     |   |   | X |   |   |
|            | A3FGS-18  | ETRI        | a3fgs-18-L4.cmp          |              |                 |   |   |   |   |     |   |   |   | X |   |
|            | A3FGS-18  | ETRI        | a3fgs-18-L5.cmp          |              |                 |   |   |   |   |     |   |   |   |   | X |

with:

| Categories | Bitstream | Donated by  | Bitstream Name           | Profile Name |                 |    |    |    |    |     |    |    |    |    |    |    |  |  |
|------------|-----------|-------------|--------------------------|--------------|-----------------|----|----|----|----|-----|----|----|----|----|----|----|--|--|
|            |           |             |                          | Simple       | Advanced Simple |    |    |    |    | FGS |    |    |    |    |    |    |  |  |
|            |           |             |                          | L0           | L0              | L1 | L2 | L3 | L4 | L5  | L0 | L1 | L2 | L3 | L4 | L5 |  |  |
| General    | GE-13     | Siemens     | vcon-ge13-L0.bits        | S            |                 |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | GE-13     | Siemens     | vcon-ge13-L0.bits        |              | S               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | GE-13     | Mitsubishi  | vcon-ge13-L1.bits        |              |                 | S  |    |    |    |     |    |    |    |    |    |    |  |  |
|            | GE-13     | Mitsubishi  | vcon-ge13-L2.bits        |              |                 |    | S  |    |    |     |    |    |    |    |    |    |  |  |
|            | GE-13     | Mitsubishi  | vcon-ge13-L3.bits        |              |                 |    |    | S  |    |     |    |    |    |    |    |    |  |  |
|            | GE-16     | Siemens     | vcon-ge16-L0.bits        | S            |                 |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | GE-16     | Siemens     | vcon-ge16-L0.bits        |              | S               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | GE-16     | Mitsubishi  | vcon-ge16-L1.bits        |              |                 | S  |    |    |    |     |    |    |    |    |    |    |  |  |
|            | GE-16     | Mitsubishi  | vcon-ge16-L2.bits        |              |                 |    | S  |    |    |     |    |    |    |    |    |    |  |  |
|            | GE-16     | Mitsubishi  | vcon-ge16-L3.bits        |              |                 |    |    | S  |    |     |    |    |    |    |    |    |  |  |
|            | GE-25     | GI          | vcon-ge25.cmp            |              |                 |    |    | S  |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-1    | Bosch       | vcon_a1ge_1_asp_l4.bits  |              |                 |    |    |    | X  |     |    |    |    |    |    |    |  |  |
|            | A1GE-2    | Univ. Hann. | a1ge2_asp_l4.bits        |              |                 |    |    |    | X  |     |    |    |    |    |    |    |  |  |
|            | A1GE-3    | Hitachi     | vcon-asp3L4.bits         |              |                 |    |    |    | X  |     |    |    |    |    |    |    |  |  |
|            | A1GE-3    | Hitachi     | vcon-asp3L5.bits         |              |                 |    |    |    |    | X   |    |    |    |    |    |    |  |  |
|            | A1GE-4    | Univ. Hann. | a1ge4_asp.bits           |              | S               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-5    | Hitachi     | vcon-asp5L0.bits         |              | S               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-6    | Hitachi     | vcon-asp6L0.bits         |              | S               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-7    | Hitachi     | vcon-asp7L0.bits         |              | S               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-8    | Hitachi     | vcon-asp8L0.bits         |              | S               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-9    | Univ. Hann. | a1ge9_asp_l1.bits        |              |                 | X  |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-9    | Univ. Hann. | a1ge9_asp_l2.bits        |              |                 |    | X  |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-9    | Univ. Hann. | a1ge9_asp_l3.bits        |              |                 |    |    | X  |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-9    | Univ. Hann. | a1ge9_asp_l4.bits        |              |                 |    |    |    | X  |     |    |    |    |    |    |    |  |  |
|            | A1GE-10   | Bosch       | vcon_a1ge_10_asp_l1.bits |              |                 | X  |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-10   | Bosch       | vcon_a1ge_10_asp_l2.bits |              |                 |    | X  |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-10   | Bosch       | vcon_a1ge_10_asp_l3.bits |              |                 |    |    | X  |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-11   | Hitachi     | vcon-asp11L0.bits        |              | X               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-11   | Hitachi     | vcon-asp11L1.bits        |              |                 | X  |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-11   | Hitachi     | vcon-asp11L2.bits        |              |                 |    | X  |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-11   | Hitachi     | vcon-asp11L3.bits        |              |                 |    |    | X  |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-12   | Univ. Hann. | a1ge12_asp_l1.bits       |              |                 | X  |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-12   | Univ. Hann. | a1ge12_asp_l2.bits       |              |                 |    | X  |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-12   | Univ. Hann. | a1ge12_asp_l3.bits       |              |                 |    |    | X  |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_asp_l1.bits |              |                 | X  |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_asp_l2.bits |              |                 |    | X  |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_asp_l3.bits |              |                 |    |    | X  |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-13   | Bosch       | vcon_a1ge_13_asp_l4.bits |              |                 |    |    |    | X  |     |    |    |    |    |    |    |  |  |
|            | A1GE-14   | Hitachi     | vcon-asp14L0.bits        |              | S               |    |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-14   | Hitachi     | vcon-asp14L1.bits        |              |                 | S  |    |    |    |     |    |    |    |    |    |    |  |  |
|            | A1GE-14   | Hitachi     | vcon-asp14L4.bits        |              |                 |    |    |    | S  |     |    |    |    |    |    |    |  |  |