



**INTERNATIONAL STANDARD ISO/IEC 13818-6:1998**  
**TECHNICAL CORRIGENDUM 2**

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## **Information technology — Generic coding of moving pictures and associated audio information —**

### **Part 6: Extensions for DSM-CC**

#### **TECHNICAL CORRIGENDUM 2**

*Technologies de l'information — Codage générique des images animées et des informations sonores  
associées —*

*Partie 6: Extensions pour DSM-CC*

*RECTIFICATIF TECHNIQUE 2*

Technical Corrigendum 2 to ISO/IEC 13818-6:1998 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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*In subclause 9.2.2.1, replace semantic definition of the checksum field by the following definition.*

**checksum** -- A 32 bit checksum calculated over the entire DSMCC\_section. The checksum shall be calculated by treating the DSMCC\_section as a sequence of 32-bit integers and performing one's complement addition over all the integers, most significant byte first, then taking the one's complement of the result. For the purpose of computing the checksum, the value of the checksum field shall be considered 0. If the message length is not a multiple of four bytes, the message shall be considered to be appended with zeroed bytes for the purpose of checksum calculation only. If the computed result is 0, then the result shall be set to 0xFFFFFFFF (the alternative value for a one's complement representation of 0). In cases where a checksum is not desired, the value of this field shall be set to '0' to indicate the checksum has not been calculated. This feature is useful for networks where error detection is provided at a protocol layer lower than the MPEG-2 Transport Stream. This field is only present when section\_syntax\_indicator is set to '0'.

*In subclause 9.2.2.1, replace semantic definition of the CRC\_32 field by the following definition.*

**CRC\_32** -- This field shall be set as defined in ISO/IEC 13818-1:2000 Annex A. This field is only present when section\_syntax\_indicator is set to '1'.