
**Information technology — High
efficiency coding and media delivery
in heterogeneous environments —**

Part 10:
**MPEG Media Transport Forward Error
Correction (FEC) codes**

*Technologies de l'information — Codage à haute efficacité et livraison
des médias dans des environnements hétérogènes —*

*Partie 10: Codes de correction d'erreur anticipée pour le transport
des médias MPEG*



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Foreword

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The committee responsible for this document is ISO/IEC JTC 1, *Information technology, SC 29, Coding of audio, picture, multimedia and hypermedia information*.

ISO/IEC 23008 consists of the following parts, under the general title *Information technology — High efficiency coding and media delivery in heterogeneous environments*:

- *Part 1: MPEG media transport (MMT)*
- *Part 2: High efficiency video coding (HEVC)*
- *Part 3: 3D Audio*
- *Part 10: MPEG Media Transport Forward Error Correction (FEC) codes*
- *Part 11: MPEG Media Transport Composition Information*

Introduction

This part of ISO/IEC 23008 specifies application level forward error correction (FEC) codes which can be used with application level-forward error correction (AL-FEC) framework of ISO/IEC 23008-1 MPEG Media Transport (MMT) to provide reliable delivery in IP network and non IP network environments that are prone to packet losses.

Information technology — High efficiency coding and media delivery in heterogeneous environments —

Part 10: MPEG Media Transport Forward Error Correction (FEC) codes

1 Scope

This part of ISO/IEC 23008 specifies application level forward error correction (FEC) codes which can be used with AL-FEC framework of ISO/IEC 23008-1 MPEG Media Transport to provide reliable delivery in IP network and non IP network environments that are prone to packet losses.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 23008-1, *Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 1: MPEG media transport (MMT)*

IETF RFC 5170, *Low Density Parity Check (LDPC) Staircase and Triangle Forward Error Correction (FEC) Schemes, June 2008*

IETF RFC 5510, *Reed-Solomon Forward Error Correction (FEC) Schemes, April 2009*

IETF RFC 6330, *RaptorQ Forward Error Correction Scheme for Object Delivery, August 2011*

SMPTE2022-1, *Forward Error Correction for Real-Time Video/Audio Transport Over IP Networks*