FOREWORD

This standard was developed by the Consumer Electronics Association’s R4.8 DTV Interface Subcommittee.
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HDR Static Metadata Extensions

1 Scope

This standard specifies static High Dynamic Range (HDR) metadata extensions using an additional InfoFrame and EDID CEA data block, replacing previously reserved codes in Table 5 and Table 46 of CEA-861-F [1]. Recommendations regarding the usage of static HDR metadata are also provided.

These data structures allow signaling of SMPTE ST 2084 HDR EOTF [2] and SMPTE ST 2086 Mastering Display Metadata [3], while containing provisions for future HDR EOTFs and metadata. It is anticipated that these data structures will be extended to include additional EOTF and HDR metadata capabilities in future versions of CEA-861-F [1].

The requirements of this standard are in addition to and complement CEA-861-F [1]. All devices compliant to CEA-861.3 shall also comply with CEA-861-F [1], except that this standard deprecates and replaces Table 5 and Table 46 of CEA-861-F [1].

2 References

2.1 Normative References

The following standards contain provisions that, through reference in this text, constitute normative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed here.

2.1.1 Normative Reference List

1. CEA-861-F, A DTV Profile for Uncompressed High Speed Digital Interfaces, May 2014
2. SMPTE ST 2084:2014, High Dynamic Range Electro-Optical Transfer Function of Mastering Reference Displays

2.1.2 Normative Reference Acquisition

ANSI/CEA Standards
- Techstreet, 3916 Ranchero Drive, Ann Arbor, MI, USA 48108; Phone 800-699-9277; Fax 734-780-2046; Internet http://www.techstreet.com; Email techstreet.service@thomsonreuters.com

SMPTE Standards
- Society of Motion Picture and Television Engineers, 3 Barker Ave., 5th Floor, White Plains, NY 10601; Phone 914-761-1100; Fax 914-761-3115; Internet: http://www.smpte.org

2.2 Informative References

The following references contain provisions that, through reference in this text, constitute informative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.