
**Information technology — Plenoptic
image coding system (JPEG Pleno) —
Part 3:
Conformance testing**

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/IEC 21794-3:2021](https://standards.iteh.ai/catalog/standards/iso/8d91a9f7-fbec-4aaf-8c43-32c4e18635db/iso-iec-21794-3-2021)

<https://standards.iteh.ai/catalog/standards/iso/8d91a9f7-fbec-4aaf-8c43-32c4e18635db/iso-iec-21794-3-2021>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/IEC 21794-3:2021](https://standards.iteh.ai/catalog/standards/iso/8d91a9f7-fbec-4aaf-8c43-32c4e18635db/iso-iec-21794-3-2021)

<https://standards.iteh.ai/catalog/standards/iso/8d91a9f7-fbec-4aaf-8c43-32c4e18635db/iso-iec-21794-3-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Abbreviated terms.....	3
5 General description.....	3
5.1 Overview.....	3
5.2 Profiles and levels.....	3
5.3 Objective metrics.....	4
5.4 Test procedures to test decoders for conformance to ISO/IEC 21794-2.....	4
5.5 File format syntax testing.....	4
Annex A (normative) Decoder conformance testing procedure.....	5
Annex B (informative) Decoder conformance tests.....	9
Annex C (normative) Codestream conformance.....	13
Bibliography.....	16

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/IEC 21794-3:2021](https://standards.iteh.ai/catalog/standards/iso/8d91a9f7-fbec-4aaf-8c43-32c4e18635db/iso-iec-21794-3-2021)

<https://standards.iteh.ai/catalog/standards/iso/8d91a9f7-fbec-4aaf-8c43-32c4e18635db/iso-iec-21794-3-2021>

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents) or the IEC list of patent declarations received (see <https://patents.iec.ch>).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html. In the IEC, see www.iec.ch/understanding-standards.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

A list of all parts in the ISO/IEC 21794 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.