
**Information technology — Automatic
identification and data capture
techniques — Syntax for high-capacity
ADC media**

*Technologies de l'information — Techniques automatiques
d'identification et de capture des données — Syntaxe pour supports
de CAD à haute capacité*

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

ISO/IEC 15434:2019

<https://standards.iteh.ai/catalog/standards/iso/1ea157f7-3c83-4d1d-b8e3-a9a8172a5c96/iso-iec-15434-2019>



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

ISO/IEC 15434:2019

<https://standards.iteh.ai/catalog/standards/iso/1ea157f7-3c83-4d1d-b8e3-a9a8172a5c96/iso-iec-15434-2019>



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2019

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
Fax: +41 22 749 09 47
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 Documentation notation conventions	2
5 Message format	2
5.1 General	2
5.2 Message envelope	3
5.2.1 General	3
5.2.2 Message header	3
5.2.3 Message trailer	4
5.3 Format envelope	4
5.3.1 General	4
5.3.2 Format header	4
5.3.3 Format header "00" - Reserved format	6
5.3.4 Format Header "01" — Transportation	6
5.3.5 Format Header "02" — Complete EDI message / transaction	6
5.3.6 Format header "03" — Structured data using ASC X12 segments	6
5.3.7 Format header "04" — Structured data using UN/EDIFACT segments	7
5.3.8 Format header "05" — Data using GS1 application identifiers	7
5.3.9 Format header "06" — Data using ASC MH 10 data identifiers	7
5.3.10 Format header "07" — Free form text data	7
5.3.11 Format header "08" — Structured data using CII syntax rules	7
5.3.12 Format Header "09" — Binary data	7
5.3.13 Format header ("10" - "11") — Reserved formats	8
5.3.14 Format header "12" — Data using text element identifiers	8
5.3.15 Format header ("13" - "99") — Reserved formats	8
5.3.16 Format trailer	8
5.4 Data format	8
5.4.1 General	8
5.4.2 Format "00" (Reserved)	9
5.4.3 Format "01" carrier sortation and tracking (transportation)	9
5.4.4 Format "02" (Complete EDI message / transaction)	11
5.4.5 Format "03" (Structured data using ASC X12 segments)	12
5.4.6 Format "04" (Structured data using UN/EDIFACT segments)	12
5.4.7 Format "05" (Using GS1 application identifiers)	12
5.4.8 Format "06" (Using ASC MH 10 data identifiers)	12
5.4.9 Format "07" (Free form text format)	12
5.4.10 Format "08" (Structured data using CII syntax rules)	12
5.4.11 Format "09" (Binary data)	13
5.4.12 Format "10" - "11" (Reserved)	13
5.4.13 Format "12" (Using text element identifiers)	13
5.4.14 Format "13" (Blocked)	13
5.4.15 Format "14" - "99" (Reserved)	13
6 Human readable representation	14
Annex A (normative) Subset of ISO/IEC 646 (table of hexadecimal and decimal values)	15
Bibliography	17

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).

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 <http://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.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

This fourth edition cancels and replaces the third edition (ISO/IEC 15434:2006), which has been technically revised.

The main changes compared to the previous edition are as follows:

- "Document notation conventions" have been moved to a new [Clause 4](#);
- "Human readable representation" has been inserted ([Clause 6](#)).

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.