



# FINAL DRAFT International Standard

## ISO/FDIS 8000-115

### Data quality —

### Part 115: Master data: Exchange of quality identifiers: Syntactic, semantic and resolution requirements

*Qualité des données —*

*Partie 115: Données permanentes: Échange des identificateurs  
qualité: Exigences syntaxiques, sémantiques et de résolution*

[ISO/FDIS 8000-115](https://standards.iteh.ai/catalog/standards/iso/f169a8e6-6ff6-4514-b9ac-b2b21179b7c0/iso-fdis-8000-115)

<https://standards.iteh.ai/catalog/standards/iso/f169a8e6-6ff6-4514-b9ac-b2b21179b7c0/iso-fdis-8000-115>

ISO/TC 184/SC 4

Secretariat: ANSI

Voting begins on:  
2024-03-22

Voting terminates on:  
2024-05-17

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

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

[ISO/FDIS 8000-115](https://standards.iteh.ai/catalog/standards/iso/fl69a8e6-6ff6-4514-b9ac-b2b21179b7c0/iso-fdis-8000-115)

<https://standards.iteh.ai/catalog/standards/iso/fl69a8e6-6ff6-4514-b9ac-b2b21179b7c0/iso-fdis-8000-115>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

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](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Fundamental principles and assumptions</b> .....	<b>2</b>
<b>5 Quality identifier requirements</b> .....	<b>2</b>
5.1 Scope of the requirements.....	2
5.2 Syntax requirements for quality identifiers.....	2
5.3 Semantic requirements for quality identifiers.....	2
5.4 Resolution requirements for quality identifiers.....	3
<b>6 Conformance</b> .....	<b>3</b>
<b>Annex A (informative) Document identification</b> .....	<b>4</b>
<b>Bibliography</b> .....	<b>5</b>

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

[ISO/FDIS 8000-115](https://standards.iteh.ai/catalog/standards/iso/fl69a8e6-6ff6-4514-b9ac-b2b21179b7c0/iso-fdis-8000-115)

<https://standards.iteh.ai/catalog/standards/iso/fl69a8e6-6ff6-4514-b9ac-b2b21179b7c0/iso-fdis-8000-115>

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 ISO 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](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 184, *Automation systems and integration*, Subcommittee SC 4, *Industrial data*.

This second edition cancels and replaces the first edition (ISO 8000-115:2018), which has been technically revised.

The main changes are as follows:

- addition of a NOTE in [5.2](#) b) on natural identifiers.

A list of all parts in the ISO 8000 series can be found on the ISO website.

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](http://www.iso.org/members.html).

## Introduction

The ability to create, collect, store, maintain, transfer, process and present information and to support business processes in a timely and cost-effective manner requires both an understanding of the characteristics of the information and data that determine its quality, and an ability to measure, manage and report on information and data quality.

The ISO 8000 series defines characteristics of information and data that determine its quality, and provides methods to manage, measure and improve the quality of information and data.

It is useful to perform the assessment in accordance with documented methods. It is also important to document the tailoring of standardized methods with respect to the expectation and requirements pertinent to the business.

The ISO 8000 series includes parts applicable to all types of data, and parts applicable to specific types of data.

The ISO 8000 series can be used independently or in conjunction with quality management systems.

Most commonly an identifier is a reference to a data set managed by the owner of the identifier and, as such, it is an alias for a master data record. Identifiers are widely exchanged by governments and commercial companies to refer to data used to describe individuals, organizations, locations, goods, services, assets, processes, procedures, laws, rules and regulations.

Examples of identifiers include vehicle registration number (license plate), vehicle identification number (VIN), driver's permit number, social security number, national identity card number, student number, employee number, passport number, tax identification number, IP address, telephone number, email address, domain name, part number, batch number, serial number, customer number, supplier number and concept identifiers.

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

[ISO/FDIS 8000-115](https://standards.iteh.ai/catalog/standards/iso/fl69a8e6-6ff6-4514-b9ac-b2b21179b7c0/iso-fdis-8000-115)

<https://standards.iteh.ai/catalog/standards/iso/fl69a8e6-6ff6-4514-b9ac-b2b21179b7c0/iso-fdis-8000-115>

