



This is a preview of ISO 16919:2025. [Click here to purchase the full version from the ANSI store.](#)

Space data and information transfer systems — Requirements for bodies providing audit and certification of candidate trustworthy digital repositories

Systèmes de transfert des informations et données spatiales — Exigences pour les organismes d'audit et de certification des référentiels numériques potentiellement de confiance

ISO 16919

**Second edition
2025-03**

This is a preview of ISO 16919:2025. [Click here](#) to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

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

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 (see 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. 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.

This document was prepared by the Consultative Committee for Space Data Systems (CCSDS) (as CCSDS 652.1-M-3, December 2024) and drafted in accordance with its editorial rules. It was assigned to Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 13, *Space data and information transfer systems* and adopted under the "fast-track procedure".

This second edition cancels and replaces the first edition (ISO 16919:2014), which has been technically revised.

The main changes are as follows:

- updated references to latest versions of documents, ISO 17021:2015, ISO 16363 and ISO 14721;
- updated to be consistent with the structure of the latest version of ISO 17021-1, for example, removal of section 8.3 Directory of Certified Clients;
- clarified use of remotes audits in Section 9;
- added CCSDS required subsections in Annex B.

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.

CONTENTS

| <u>Section</u> | <u>Page</u> |
|--|-------------|
| 1 INTRODUCTION | 1-1 |
| 1.1 PURPOSE | 1-1 |
| 1.2 SCOPE | 1-1 |
| 1.3 APPLICABILITY | 1-1 |
| 1.4 RATIONALE..... | 1-2 |
| 1.5 STRUCTURE OF THIS DOCUMENT..... | 1-2 |
| 1.6 DEFINITIONS..... | 1-3 |
| 1.7 CONFORMANCE | 1-4 |
| 1.8 REFERENCES..... | 1-4 |
| 2 OVERVIEW | 2-1 |
| 3 RESERVED | 3-1 |
| 4 PRINCIPLES | 4-1 |
| 5 GENERAL REQUIREMENTS | 5-1 |
| 5.1 LEGAL AND CONTRACTUAL MATTERS..... | 5-1 |
| 5.2 MANAGEMENT OF IMPARTIALITY | 5-1 |
| 5.3 LIABILITY AND FINANCING | 5-1 |
| 6 STRUCTURAL REQUIREMENTS | 6-1 |
| 7 RESOURCE REQUIREMENTS | 7-1 |
| 7.1 COMPETENCE OF PERSONNEL | 7-1 |
| 7.2 PERSONNEL INVOLVED IN THE CERTIFICATION ACTIVITIES..... | 7-1 |
| 7.3 USE OF INDIVIDUAL EXTERNAL AUDITORS AND EXTERNAL TECHNICAL EXPERTS..... | 7-1 |
| 7.4 PERSONNEL RECORDS | 7-2 |
| 7.5 OUTSOURCING | 7-2 |
| 8 INFORMATION REQUIREMENTS | 8-1 |
| 8.1 PUBLIC INFORMATION..... | 8-1 |
| 8.2 CERTIFICATION DOCUMENTS..... | 8-1 |
| 8.3 REFERENCE TO CERTIFICATION AND USE OF MARKS..... | 8-1 |
| 8.4 CONFIDENTIALITY..... | 8-1 |
| 8.5 INFORMATION EXCHANGE BETWEEN A CERTIFICATION BODY AND ITS CLIENTS | 8-1 |

CONTENTS (continued)

| <u>Section</u> | <u>Page</u> |
|--|-------------|
| 9 PROCESS REQUIREMENTS..... | 9-1 |
| 10 MANAGEMENT SYSTEM REQUIREMENTS FOR CERTIFICATION BODIES | 10-1 |
| ANNEX A REQUIRED TRUSTED DIGITAL REPOSITORY MANAGEMENT SYSTEM (TDRMS) COMPETENCIES (NORMATIVE)..... | A-1 |
| ANNEX B SECURITY, SANA, AND PATENT CONSIDERATIONS (INFORMATIVE)..... | B-1 |
| ANNEX C AUDIT BY NON-CONFORMANT BODIES (INFORMATIVE) | C-1 |