



**INTERNATIONAL STANDARD ISO/IEC 9594-8:2020**  
**TECHNICAL CORRIGENDUM 1**

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**Information technology — Open systems interconnection —**  
**Part 8:**  
**The Directory: Public-key and attribute certificate frameworks**

**TECHNICAL CORRIGENDUM 1**

Technical Corrigendum 1 to ISO/IEC 9594-8:2020 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6 *Telecommunications and information exchange between systems*, in collaboration with ITU-T. The identical text is published as ITU-T X.509 (2019)/Cor.1 (10/2021).

## 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](http://www.iso.org/directives) or [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs)).

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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). In the IEC, see [www.iec.ch/understanding-standards](http://www.iec.ch/understanding-standards).

This document was prepared by ITU-T [as ITU-T REC. X.509 (2019) – Technical Corrigendum 1 (2020)] and drafted in accordance with its editorial rules, in collaboration with Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

A list of all parts in the ISO/IEC 9594 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](http://www.iso.org/members.html) and [www.iec.ch/national-committees](http://www.iec.ch/national-committees).

## Information technology – Open Systems Interconnection – The Directory: Public-key and attribute certificate frameworks

### Technical Corrigendum 1

#### Summary

Corrigendum 1 to Rec. ITU-T X.509 (2019) | ISO/IEC 9594-8:2020 has successfully been balloted within ISO/IEC and therefore finally been approved by ISO/IEC.

#### History

| Edition | Recommendation                      | Approval   | Study Group | Unique ID*                                                                |
|---------|-------------------------------------|------------|-------------|---------------------------------------------------------------------------|
| 1.0     | ITU-T X.509                         | 1988-11-25 |             | <a href="http://handle.itu.int/11.1002/1000/2999">11.1002/1000/2999</a>   |
| 2.0     | ITU-T X.509                         | 1993-11-16 | 7           | <a href="http://handle.itu.int/11.1002/1000/3000">11.1002/1000/3000</a>   |
| 3.0     | ITU-T X.509                         | 1997-08-09 | 7           | <a href="http://handle.itu.int/11.1002/1000/4123">11.1002/1000/4123</a>   |
| 3.1     | ITU-T X.509 (1997) Technical Cor. 1 | 2000-03-31 | 7           | <a href="http://handle.itu.int/11.1002/1000/5033">11.1002/1000/5033</a>   |
| 3.2     | ITU-T X.509 (1997) Technical Cor. 2 | 2001-02-02 | 7           | <a href="http://handle.itu.int/11.1002/1000/5311">11.1002/1000/5311</a>   |
| 3.3     | ITU-T X.509 (1997) Technical Cor. 3 | 2001-10-29 | 7           | <a href="http://handle.itu.int/11.1002/1000/5559">11.1002/1000/5559</a>   |
| 3.4     | ITU-T X.509 (1997) Technical Cor. 4 | 2002-04-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/6025">11.1002/1000/6025</a>   |
| 3.5     | ITU-T X.509 (1997) Technical Cor. 5 | 2003-02-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/6236">11.1002/1000/6236</a>   |
| 3.6     | ITU-T X.509 (1997) Technical Cor. 6 | 2004-04-29 | 17          | <a href="http://handle.itu.int/11.1002/1000/7285">11.1002/1000/7285</a>   |
| 4.0     | ITU-T X.509                         | 2000-03-31 | 7           | <a href="http://handle.itu.int/11.1002/1000/5034">11.1002/1000/5034</a>   |
| 4.1     | ITU-T X.509 (2000) Technical Cor. 1 | 2001-10-29 | 7           | <a href="http://handle.itu.int/11.1002/1000/5560">11.1002/1000/5560</a>   |
| 4.2     | ITU-T X.509 (2000) Technical Cor. 2 | 2002-04-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/6026">11.1002/1000/6026</a>   |
| 4.3     | ITU-T X.509 (2000) Technical Cor. 3 | 2004-04-29 | 17          | <a href="http://handle.itu.int/11.1002/1000/7284">11.1002/1000/7284</a>   |
| 4.4     | ITU-T X.509 (2000) Technical Cor. 4 | 2007-01-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/8637">11.1002/1000/8637</a>   |
| 5.0     | ITU-T X.509                         | 2005-08-29 | 17          | <a href="http://handle.itu.int/11.1002/1000/8501">11.1002/1000/8501</a>   |
| 5.1     | ITU-T X.509 (2005) Cor. 1           | 2007-01-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/9051">11.1002/1000/9051</a>   |
| 5.2     | ITU-T X.509 (2005) Cor. 2           | 2008-11-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/9591">11.1002/1000/9591</a>   |
| 5.3     | ITU-T X.509 (2005) Cor. 3           | 2011-02-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/11042">11.1002/1000/11042</a> |
| 5.4     | ITU-T X.509 (2005) Cor. 4           | 2012-04-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/11577">11.1002/1000/11577</a> |
| 6.0     | ITU-T X.509                         | 2008-11-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/9590">11.1002/1000/9590</a>   |
| 6.1     | ITU-T X.509 (2008) Cor. 1           | 2011-02-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/11043">11.1002/1000/11043</a> |
| 6.2     | ITU-T X.509 (2008) Cor. 2           | 2012-04-13 | 17          | <a href="http://handle.itu.int/11.1002/1000/11578">11.1002/1000/11578</a> |
| 6.3     | ITU-T X.509 (2008) Cor. 3           | 2012-10-14 | 17          | <a href="http://handle.itu.int/11.1002/1000/11736">11.1002/1000/11736</a> |
| 7.0     | ITU-T X.509                         | 2012-10-14 | 17          | <a href="http://handle.itu.int/11.1002/1000/11735">11.1002/1000/11735</a> |
| 7.1     | ITU-T X.509 (2012) Cor. 1           | 2015-05-29 | 17          | <a href="http://handle.itu.int/11.1002/1000/12474">11.1002/1000/12474</a> |
| 7.2     | ITU-T X.509 (2012) Cor. 2           | 2016-04-29 | 17          | <a href="http://handle.itu.int/11.1002/1000/12844">11.1002/1000/12844</a> |
| 7.3     | ITU-T X.509 (2012) Cor. 3           | 2016-10-14 | 17          | <a href="http://handle.itu.int/11.1002/1000/13032">11.1002/1000/13032</a> |
| 8.0     | ITU-T X.509                         | 2016-10-14 | 17          | <a href="http://handle.itu.int/11.1002/1000/13031">11.1002/1000/13031</a> |
| 9.0     | ITU-T X.509                         | 2019-10-14 | 17          | <a href="http://handle.itu.int/11.1002/1000/14033">11.1002/1000/14033</a> |
| 9.1     | ITU-T X.509 (2019) Cor. 1           | 2021-10-14 | 17          | <a href="http://handle.itu.int/11.1002/1000/14791">11.1002/1000/14791</a> |

#### Keywords

Cryptographic algorithm, object identifier

\* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

## FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

## NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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As of the date of approval of this Recommendation, ITU had received notice of intellectual property, protected by patents/software copyrights, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the appropriate ITU-T databases available via the ITU-T website at <http://www.itu.int/ITU-T/ipr/>.

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