INTERNATIONAL STANDARD

ISO 15784-2

First edition
2015-11

AMENDMENT 1
2020-02

Intelligent transport systems (ITS) — Data exchange involving roadside modules communication —

Part 2: Centre to field device communications using SNMP

AMENDMENT 1: Support for SHA2 encryption

Systèmes intelligents de transport (SIT) — Échange de données impliquant la communication de modules en bordure de route —

Partie 2: Communications par dispositif du centre au terrain en utilisant le protocole simple de gestion de réseau (SNMP)

AMENDEMENT 1

Reference number
ISO 15784-2:2015/Amd.1:2020(E)

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

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 documents 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 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).

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 Technical Committee ISO/TC 204, *Intelligent transport systems*.

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.

Intelligent transport systems (ITS) — Data exchange involving roadside modules communication —

Part 2: Centre to field device communications using SNMP

AMENDMENT 1: Support for SHA2 encryption

Page 2, Clause 3 Normative references

Add the following reference:

IETF RFC 7860, *HMAC-SHA-2 Authentication Protocols in User-Based Security Model (USM) for SNMPv3*

Page 5, Clause 5 Symbols and abbreviated terms

Add the following abbreviated term:

SHA-2 Hash-based Message Authentication Code — Secure Hash Algorithm 2

Page 11

Add the following subclause:

7.5.2.5 SHA2 Authentication

An implementation of this document that supports SNMPv3 shall support HMAC-SHA-2 authentication (SHA-2) as defined in IETF RFC 7860.

Page 26, Table A.4 — Protocol requirements list

Insert row as follows:

Index	Feature	Clause of profile	Profile status	Support
sha2	Does the implementation support the SHA-2 Authentication algorithm?	4.5.2.5	snmpv3:m	Yes/NA

ICS 35.240.60; 03.220.20

Price based on 1 page