



**Intelligent Transport Systems (ITS);
Testing;
Conformance test specifications for ITS Misbehaviour
Reporting service;
Part 1: Protocol Implementation Conformance
Statement (PICS); Release 2**

<https://standards.iteh.ai/catalog/standards/etsi/ebb1a2bd-d91f-4a7a-8fa9-6b7efe5bee11/etsi-ts-103-868-1-v2-1-1-2024-05>

Reference
DTS/ITS-00596-1
Keywords
ITS, PICS, security, testing

ETSI
 650 Route des Lucioles
 F-06921 Sophia Antipolis Cedex - FRANCE
 Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16
 Siret N° 348 623 562 00017 - APE 7112B
 Association à but non lucratif enregistrée à la
 Sous-Préfecture de Grasse (06) N° w061004871

Important notice

The present document can be downloaded from:
<https://www.etsi.org/standards-search>

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the prevailing version of an ETSI deliverable is the one made publicly available in PDF format at www.etsi.org/deliver.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at
<https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>

If you find errors in the present document, please send your comment to one of the following services:
<https://portal.etsi.org/People/CommitteeSupportStaff.aspx>

If you find a security vulnerability in the present document, please report it through our
 Coordinated Vulnerability Disclosure Program:
<https://www.etsi.org/standards/coordinated-vulnerability-disclosure>

Notice of disclaimer & limitation of liability

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.

No recommendation as to products and services or vendors is made or should be implied.

No representation or warranty is made that this deliverable is technically accurate or sufficient or conforms to any law and/or governmental rule and/or regulation and further, no representation or warranty is made of merchantability or fitness for any particular purpose or against infringement of intellectual property rights.

In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use or inability to use the software.

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.
 The copyright and the foregoing restriction extend to reproduction in all media.

Contents

Intellectual Property Rights	4
Foreword.....	4
Modal verbs terminology.....	4
1 Scope	5
2 References	5
2.1 Normative references	5
2.2 Informative references.....	5
3 Definition of terms, symbols and abbreviations.....	6
3.1 Terms.....	6
3.2 Symbols.....	6
3.3 Abbreviations	6
4 Conformance	6
Annex A (normative): Security PICS pro forma.....	7
A.1 The right to copy	7
A.2 Guidance for completing the PICS pro forma.....	7
A.2.1 Purposes and structure.....	7
A.2.2 Abbreviations and conventions	7
A.2.3 Instructions for completing the PICS pro forma.....	8
A.3 Identification of the Equipment.....	8
A.3.1 Introduction	8
A.3.2 Date of the statement	8
A.3.3 Equipment Under Test identification	8
A.3.4 Product supplier.....	9
A.3.5 Client	9
A.3.6 PICS contact person	10
A.4 Identification of the protocol.....	10
A.5 Global statement of conformance.....	10
A.6 PICS pro forma tables	11
History	12

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The declarations pertaining to these essential IPRs, if any, are publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<https://ipr.etsi.org/>).

Pursuant to the ETSI Directives including the ETSI IPR Policy, no investigation regarding the essentiality of IPRs, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

DECT™, PLUGTESTS™, UMTS™ and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™** and **LTE™** are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **oneM2M™** logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners. **GSM®** and the **GSM** logo are trademarks registered and owned by the **GSM Association**.

Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Intelligent Transport Systems (ITS).

The present document is part 1 of a multi-part deliverable covering Conformance test specifications for ITS Misbehaviour Reporting service, as identified below:

Part 1: "Protocol Implementation Conformance Statement (PICS); Release 2";
Part 2: "Test Suite Structure and Test Purposes (TSS & TP); Release 2";
Part 3: "Abstract Test Suite (ATS) and Protocol Implementation eXtra Information for Testing (PIXIT); Release 2".

Modal verbs terminology

In the present document "shall", "shall not", "should", "should not", "may", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"must" and "must not" are NOT allowed in ETSI deliverables except when used in direct citation.

1 Scope

The present document provides the Protocol Implementation Conformance Statement (PICS) pro forma for the test specifications for ITS Misbehaviour Reporting service as specified in ETSI TS 103 759 [1] and in accordance with the relevant guidance given in ISO/IEC 9646-7 [i.2] and ETSI ETS 300 406 [i.3].

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <https://docbox.etsi.org/Reference/>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

- [1] [ETSI TS 103 759 \(V2.1.1\)](#): "Intelligent Transport Systems (ITS); Security; Misbehaviour Reporting service; Release 2".
- [2] [ETSI TS 103 097 \(V2.1.1\)](#): "Intelligent Transport Systems (ITS); Security; Security header and certificate formats; Release 2".
- [3] [IEEE Std 1609.2TM-2016](#): "IEEE Standard for Wireless Access in Vehicular Environments - Security Services for Applications and Management Messages".

NOTE: As amended by IEEE Std 1609.2aTM-2017: "IEEE Standard for Wireless Access In Vehicular Environments - Security Services for Applications and Management Messages Amendment 1".

<https://standards.iteh.ai/catalog/standards/etsi/ebb1a2bd-d91f-4a7a-8fa9-6b7efe5bee11/etsi-ts-103-868-1-v2-1-1-2024-05>

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] ISO/IEC 9646-1: "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework -- Part 1: General concepts".
- [i.2] ISO/IEC 9646-7: "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework -- Part 7: Implementation Conformance Statements".
- [i.3] ETSI ETS 300 406: "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

3 Definition of terms, symbols and abbreviations

3.1 Terms

For the purposes of the present document, the terms given in ETSI TS 103 759 [1] and ISO/IEC 9646-1 [i.1] apply.

3.2 Symbols

Void.

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI TS 103 097 [2], ETSI TS 103 759 [1] and the following apply:

PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement

4 Conformance

A PICS pro forma which conforms to this PICS pro forma specification shall be technically equivalent to annex A of the present document and shall preserve the numbering and ordering of the items in annex A.

A PICS which conforms to the present document shall:

- a) describe an implementation which claims to conform to ETSI TS 103 759 [1];
- b) be a conforming PICS pro forma which has been completed in accordance with the instructions for completion given in clause A.2;
- c) include the information necessary to uniquely identify both the supplier and the implementation.

<https://standards.iteh.ai/catalog/standards/etsi/ebb1a2bd-d911-4a7a-81a9-6b7e1e5bee11/etsi-ts-103-868-1-v2-1-1-2024-05>