ETSITS 103 525-1 V1.2.1 (2022-01)



Intelligent Transport Systems (ITS);
Testing;

Conformance test specifications for ITS PKI management; Part 1: Protocol Implementation Conformance Statement (PICS)

ETSLTS 103 525-1 V1.2.1 (2022-01)

https://standards.iteh.ai/catalog/standards/sist/cc938071-341c-45c4-9962-a49a9df0e7df/etsi-ts-103-525-1-v1-2-1-2022-01

Reference	
RTS/ITS-005207	
Keywords	
ITS, PICS, security	

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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 PKI management, as identified below: \(\)

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

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 <u>ETSI Drafting Rules</u> (Verbal forms for the expression of provisions).

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1 Scope

The present document provides the Protocol Implementation Conformance Statement (PICS) pro forma for the test specifications for security algorithms as specified in ETSI TS 102 941 [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.

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

[1]	ETSI TS 102 941 (V1.4.1): "Intelligent Transport Systems (ITS); Security; Trust and Privacy	/
	Management".	

- [2] ETSI TS 103 097 (V1.4.1): "Intelligent Transport Systems (ITS); Security; Security header and certificate formats".
- [3] IEEE Std 1609.2TM-2016: "IEEE Standard for Wireless Access in Vehicular Environments Security Services for Applications and Management Messages", as amended by IEEE Std 1609.2aTM-2017: "Standard for Wireless Access In Vehicular Environments Security Services for Applications and Management Messages Amendment 1".
- https://standa[4], iteh.ai/cata| ETSLTS 103 601 (V1.1.1): "Intelligent Transport Systems (ITS); Security; Security management | _2022_0 | messages communication requirements and distribution protocols".

2.2 Informative references

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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.

[1.1]	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 102 941 [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] and the following apply:

CRL Certificate Revocation List

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 102 941 [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.