

ETSI TS 102 797-3 V1.2.1 (2014-06)



Technical Specification

**Intelligent Transport Systems (ITS);
Communications Access for Land Mobiles (CALM);
Test specifications for ITS station management (ISO 24102);
Part 3: Abstract Test Suite (ATS) and partial PIXIT proforma**



Reference

RTS/ITS-00268

Keywords

ATS, CALM, ITS, management, testing, TTCN

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Contents

Intellectual Property Rights	5
Foreword.....	5
Modal verbs terminology.....	5
1 Scope	6
2 References	6
2.1 Normative references	6
2.2 Informative references.....	7
3 Definitions and abbreviations.....	7
3.1 Definitions.....	7
3.2 Abbreviations	7
4 Abstract protocol tester	7
5 Abstract test method for FSAP.....	8
5.1 Abstract protocol tester	8
5.2 Test configurations	9
5.2.1 Roles of an ITS-SCU	9
5.2.2 Test configuration CF01: No ITS station-internal network	9
5.2.3 Test configuration CF02: ITS station-internal network	9
5.3 Test architecture	10
5.4 Ports and abstract service primitives	11
5.4.1 Overview	11
5.4.2 ASPs of the fsapPort.....	11
5.4.3 ASPs of the utPort	12
6 Abstract Test Method for IICP.....	12
6.1 Abstract protocol tester	12
6.2 Test configurations	12
6.3 Test architecture	13
6.4 Ports and abstract service primitives	14
6.4.1 Overview	14
6.4.2 ASPs of the iicpPort.....	14
6.4.3 ASPs of the utPort	15
7 ATS conventions	15
7.1 Testing conventions.....	15
7.1.1 Testing states	15
7.1.1.1 Initial state.....	15
7.1.1.2 Final state	15
7.1.2 Message types - ASN.1 definitions.....	15
7.2 Naming conventions.....	15
7.2.1 General guidelines	15
7.2.2 Usage of Log statements.....	15
Annex A (normative): Partial PIXIT proforma for FSAP	17
A.1 Identification summary.....	17
A.2 ATS summary	17
A.3 Test laboratory.....	17
A.4 Client identification.....	18
A.5 SUT	18
A.6 Protocol layer information.....	18
A.6.1 Protocol identification	18

A.6.2	IUT information	19
Annex B (normative): Partial PIXIT proforma for IICP.....		23
B.1	Identification summary.....	23
B.2	ATS summary	23
B.3	Test laboratory.....	23
B.4	Client identification.....	24
B.5	SUT	24
B.6	Protocol layer information.....	24
B.6.1	Protocol identification	24
B.6.2	IUT information	25
Annex C (normative): TTCN-3 library modules.....		28
C.1	Electronic annex, zip file with TTCN-3 code	28
C.2	Extensions of Architecture of conformance validation framework.....	28
C.2.1	Test Adapter	28
C.2.2	Lower Tester	29
C.2.3	Dispatcher.....	30
C.2.4	Codecs source code	30
C.2.5	Test Adapter source code	30
C.2.6	Dispatcher source code.....	30
C.3	Upper Tester message format.....	31
C.3.1	FNTP Upper Tester Primitives	31
C.3.1.1	FntpInitialize	31
C.3.1.2	FntpPortCreationRequest.....	31
C.3.1.3	FntpPortCreationConfirm	31
C.3.1.4	FntpForwardTableNotification	32
C.3.2	FSAP Upper Tester Primitives - FsapInitialize	32
C.3.3	IICP Upper Tester Primitives - IicpInitialize.....	32
History		33

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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 3 of a multi-part deliverable covering Communications Access for Land Mobiles (CALM); Test specifications for ITS station management (ISO 24102), as identified below:

Part 1: "Protocol Implementation Conformance Statement (PICS) specification";

Part 2: "Test Suite Structure and Test Purposes (TSS & TP)";

Part 3: "Abstract Test Suite (ATS) and partial PIXIT proforma".

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**may not**", "**need**", "**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).

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1 Scope

The present document provides the Abstract Test Suite (ATS) and partial PIXIT proforma for the protocols specified in ISO 24102-4 [1], ISO 24102-5 [2] based on the related TSS & TP specification TS 102 797-2 [4] and the PICS proforma TS 102 797-1 [3] and in accordance with the relevant guidance given in ISO/IEC 9646-1 [5], ISO/IEC 9646-2 [6], ETS 300 406 [7] and EG 202 798 [i.4].

2 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 reference document (including any amendments) applies.

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2.1 Normative references

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

- [1] ISO 24102-4:2013: "Intelligent transport systems -- Communications access for land mobiles (CALM) -- ITS station management -- Part 4: Station-internal management communications".
- [2] ISO 24102-5:2013: "Intelligent transport systems -- Communications access for land mobiles (CALM) -- ITS station management -- Part 5: Fast service advertisement protocol (FSAP)".
- [3] ETSI TS 102 797-1 (V1.2.1): "Intelligent Transport Systems (ITS); Communications Access for Land Mobiles (CALM); Test specifications for ITS station management (ISO 24102); Part 1: Protocol Implementation Conformance Statement (PICS) specification".
- [4] ETSI TS 102 797-2 (V1.2.1): "Intelligent Transport Systems (ITS); Communications Access for Land Mobiles (CALM); Test specifications for ITS station management (ISO 24102); Part 2: Test Suite Structure and Test Purposes (TSS & TP)".
- [5] ISO/IEC 9646-1:1994: "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework -- Part 1: General concepts".
- [6] ISO/IEC 9646-2:1994: "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework -- Part 2: Abstract Test Suite specification".
- [7] ETSI ETS 300 406 (1995): "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [8] ETSI ES 201 873-1: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 1: TTCN-3 Core Language".
- [9] ETSI ES 201 873-7: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 7: Using ASN.1 with TTCN-3".
- [10] ETSI ES 202 784: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Advanced Parameterization".