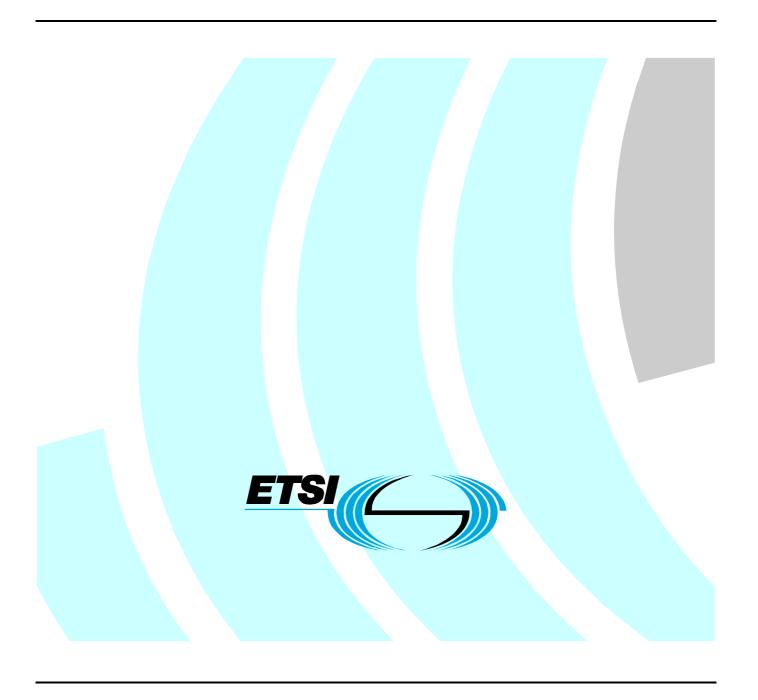
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Technical Specification

Intelligent Transport Systems (ITS);
Road Transport and Traffic Telematics (RTTT);
Test specifications for Dedicated Short
Range Communication (DSRC) transmission equipment;
Part 2: DSRC application layer;
Sub-Part 2: Test Suite Structure and Test Purposes (TSS&TP)



Reference

RTS/ITS-0040009

Keywords

ITS, DSRC, protocol, testing, TSS&TP

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Foreword

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

The present document is part 2, sub-part 2 of a multi-part deliverable covering Intelligent Transport Systems (ITS); Road Transport and Traffic Telematics (RTTT); Test specifications for Dedicated ShortRange Communication (DSRC) transmission equipment as identified below:

Part 1: "DSRC data link layer: medium access and logical link control";

Part 2: "DSRC application layer";

Sub-part 1: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Sub-part 2: "Test Suite Structure and Test Purposes (TSS&TP)";

Sub-part 3: "Abstract Test Suite (ATS) and partial PIXIT proforma".

1 Scope

The present document contains the Test Suite Structure (TSS) and Test Purposes (TP) to test the Dedicated Short Range Communication (DSRC); Application layer.

The objective of this test specification is to provide a basis for conformance tests for DSRC equipment giving a high probability of inter-operability between different manufacturer's equipment.

The ISO standard for the methodology of conformance testing (ISO/IEC 9646-1 [5] and ISO/IEC 9646-2 [6]) as well as the ETSI rules for conformance testing (ETS 300 406 [4]) are used as a basis for the test methodology.

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.
- Non-specific reference may be made only to a complete document or a part thereof and only in the following cases:
 - if it is accepted that it will be possible to use all future changes of the referenced document for the purposes of the referring document;
 - for informative references.

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For online referenced documents, information sufficient to identify and locate the source shall be provided. Preferably, the primary source of the referenced document should be cited, in order to ensure traceability. Furthermore, the reference should, as far as possible, remain valid for the expected life of the document. The reference shall include the method of access to the referenced document and the full network address, with the same punctuation and use of upper case and lower case letters.

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

2.1 Normative references

The following referenced documents are indispensable for the application of the present document. For dated references, only the edition cited applies. For non-specific references, the latest edition of the referenced document (including any amendments) applies.

- [1] CEN EN 12834 (2003): "Road transport and traffic telematics Dedicated Short Range Communication (DSRC) DSRC application layer".
- [2] CEN EN 12253 (2003): "Road transport and traffic telematics Dedicated short-range communication Physical layer using microwave at 5,8 GHz".
- [3] CEN EN 13372 (2003): "Road transport and traffic telematics (RTTT) Dedicated short-range communication Profiles for RTTT".
- [4] ETSI ETS 300 406: "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [5] ISO/IEC 9646-1 (1991): "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 1: General concepts".

- [6] ISO/IEC 9646-2 (1991): "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 2: Abstract Test Suite specification".
- [7] ISO/IEC 9646-6 (1991): "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 6: Protocol profile test specification".
- [8] ISO/IEC 9646-7 (1991): "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 7: Implementation Conformance Statement".

2.2 Informative references

The following referenced documents are not essential to the use of the present document but they assist the user with regard to a particular subject area. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Not applicable.

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ISO/IEC 9646-7 [8], EN 12253 [2], EN 12834 [1] and EN 13372 [3] apply.

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in ISO/IEC 9646-1 [5], ISO/IEC 9646-6 [7], ISO/IEC 9646-7 [8] and EN 12834 [1] and the following apply:

PrWRq MAC frame Private Window Request

4 Test Suite Structure (TSS)

4.1 Structure

Figure 1 shows the Application Test Suite Structure (TSS) including its subgroups defined for the conformance testing.

Group	Type of SUT	behaviour
Application Layer - T-Kernel	On Board Unit	Valid behaviour
		Invalid behaviour
	Road Side Unit	Valid behaviour
		Invalid behaviour
Application Layer - I-Kernel	On Board Unit	Valid behaviour
		Invalid behaviour
	Road Side Unit	Valid behaviour
		Invalid behaviour

Figure 1: TSS for DSRC Application

4.2 Test groups

The test groups are organized in three groups. The first is designed for the application T-kernel testing. The second is designed for Application I-kernel testing and the third is designed for Application B-kernel testing.

4.3 Type of SUT test groups

The type of SUT test groups are organized in two groups. The first is designed for the On Board Unit testing and the second is designed for Road Side Unit testing.

4.4 Behaviour test groups

4.4.1 Valid Behaviour (BV) tests

This test sub group shall verify that the IUT reacts in conformity with the EN, after receipt or exchange of a valid Protocol Data Units (PDUs). Valid PDUs means that the exchange of messages and the content of the exchanged messages are considered as valid.

4.4.2 Invalid Behaviour (BI) tests

This test sub group shall verify that the IUT reacts in conformity with the EN, after receipt of a syntactically invalid PDU.

5 Test Purposes (TP)

5.1 Introduction

5.1.1 TP definition conventions

The TPs are defined following particular rules as shown in table 1.

Table 1: TP definition rules

TP Id according to the TP	Title			
naming conventions	Reference			
	PICS selection			
	TC reference			
	Initial condition			
	Stimulus and Expected Behaviour			

TP Id	The TP Id is a unique identifier. It shall be specified according to the TP naming
	conventions defined in the clause below.
Title	Short description of test purpose objective.
Reference	The reference should contain the references of the subject to be validated by the actual
	TP (specification reference, clause, paragraph).
PICS selection	Reference to the PICS statement involved for selection of the TP. Contains a Boolean
	expression. Only those PICS statements are shown that are explicitly related to the test.
TC reference	Shows the reference number of the related Test Case in the ATS.
Initial condition	The condition defines in which initial state the IUT has to be to apply the actual TP.
Stimulus and Expected	Definition of the events the tester performs, and the events that are expected from the
Behaviour	IUT to conform to the base specification.

5.1.2 TP naming conventions

The identifier of the TP is built according to table 2.

Table 2: TP naming convention

Identifier:	TP/ <layer>/<sut>/<x>-<nn></nn></x></sut></layer>		
	<layer></layer>	AL-T	Application Layer - T-Kernel
		AL-I	Application Layer - I-Kernel
	<sut> = type of SUT</sut>	OBU	On Board Unit
		RSU	Road Side Unit
	x = Type of testing	BV	Valid Behaviour Tests
		BI	Invalid Behaviour Tests
	<nn> = sequential number</nn>	(01-99)	Test Purpose Number

5.1.3 Sources of TP definitions

All TPs are specified according to EN 12834 [1].

5.2 Application T-kernel test purposes for On Board Unit

5.2.1 BV test purposes

Test subgroup objective:

- to test the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system.

TP/AL-T/OBU/BV/01	Verify that the OB LID=private	U can receive GET.request and manage GET.response, with
	Reference: EN 12834 [1] clauses 6.2 and Annex A	
	PICS selection:	Table A.1/1 AND Table A.8/1 AND Table A.8/2 AND Table A.11/5
	AND Table E.2/11 AND Table E.3/9	
	TC reference:	TC_AL_T_OBU_BV_01
	Initial condition:	OBU already initialized, waiting to be served by tester.
	Stimulus and Expected Behaviour:	
	available	nds GET.request with FlowControl=7, requesting retrieval of data in the IUT without late response.
	2. Verify IUT ReturnSta	provides the data requested in step 1 in a GET-Response with proper stus.

TP/AL-T/OBU/BV/02	Verify that the OB SET.response, wi	BU can receive SET.request with mode=1 and manage th LID=private
	Reference:	EN 12834 [1] clauses 6.2 and Annex A
	PICS Selection:	Table A.1/1 AND Table A.8/3 AND Table A.8/4 AND Table A.15/4
		AND Table E.2/12 AND Table E.3/10
	TC reference:	TC_AL_T_OBU_BV_02
	Initial condition:	OBU already initialized, waiting to be served by tester.
	Stimulus and Expected Behaviour:	
 Tester sends SET.request with mode=1 and FlowControl=7, red 		nds SET.request with mode=1 and FlowControl=7, requesting storage
	of data=DATA in the IUT.	
	Verify pro	per ReturnStatus indicated in the SET-Response.

TP/AL-T/OBU/BV/03			U can receive SET.request with mode=1 and GET.request, and onse and GET.response, with LID=private
	Reference:		EN 12834 [1] clauses 6.2 and Annex A
	PICS Se	election:	Table A.1/1 AND Table A.8/1 AND Table A.8/2 AND Table A.8/3
			AND Table A.8/4 AND Table A.11/5 AND Table A.15/4 AND Table
			E.2/11 AND Table E.2/12 AND Table E.3/9 AND Table E.3/10
	TC reference:		TC_AL_T_OBU_BV_03
	Initial c	ondition:	OBU already initialized, waiting to be served by tester.
	Stimulu	is and Exp	ected Behaviour:
	of data=D in the IUT 2. Verify pro		nds SET.request with mode=1 and FlowControl=7, requesting storage ATA1 in the attribute given by EID=EID1 and attributeId=attributeID1
			·
			per ReturnStatus indicated in the SET-Response.
	3.		nds GET.request in order to retrieve the data sent in step 1.
	4.		per ReturnStatus indicated in the GET-Response.
	5.	Verify that	t the data retrieved in step 3 is identical to the data sent in step 1.
	of data=D in the IUT 7. Verify pro 8. Tester se		nds SET.request with mode=1 and FlowControl=7, requesting storage ATA2 in the attribute given by EID=EID1 and attributeId=attributeID1.
			per ReturnStatus indicated in the SET-Response.
			nds GET request in order to retrieve the data sent in step 6.
			per ReturnStatus indicated in the GET-Response.
	10.	Verify that	t the data retrieved in step 8 is identical to the data sent in step 6.

TP/AL-T/OBU/BV/04	Verify that the OBU can receive SET.request with mode=0 and GET.request and		
	GET.response, with LID=private		
	Reference:	EN 12834 [1] clauses 6.2 and Annex A	
	PICS Selection:	Table A.1/1 AND Table A.8/1 AND Table A.8/2 AND Table A.8/3	
		AND Table E.2/9 AND Table E.2/11 AND Table E.3/6 AND Table	
		E.3/10	
	TC reference:	TC_AL_T_OBU_BV_04	
	Initial condition:	OBU already initialized, waiting to be served by tester.	
	Stimulus and Exp	pected Behaviour:	
		nds SET.request with mode=0 and FlowControl=4, requesting storage	
		I in the attribute given by EID=EID1 and attributeId=attributeID1 of the	
	IUT.		
	, ,	oper operation of IUT by retrieval of EID=EID1, attributeId=attributeID1	
		T.request.	
		nds SET.request with mode=0 and FlowControl=4, requesting storage	
		2 in the attribute given by EID=EID1 and attributeId=attributeID1 in the	
	IUT.		
		oper operation of IUT by retrieval of EID=EID1, attributeId=attributeID1	
	using GE	T.request.	

TP/AL-T/OBU/BV/05	Verify that the OBU can receive SET.request with mode=0 and GET.request and GET.response, with LID=private
	Reference: EN 12834 [1] clauses 6.2 and Annex A
	PICS Selection: Table A.1/1 AND Table A.8/1 AND Table A.8/2 AND Table A.8/3
	AND Table E.3/6 AND Table E.2/11 AND Table E.3/9
	TC reference: TC_AL_T_OBU_BV_05
	Initial condition: OBU already initialized, waiting to be served by tester.
	Stimulus and Expected Behaviour:
	Tester sends SET.request with mode=0 and FlowControl=1, requesting storage
	of DATA1 in the data element given by EID=EID1 and attributeId=attributeID1 of the IUT.
	Verify proper operation of IUT by retrieval of EID=EID1, attributeId=attributeID1 using GET.request.
	 Tester sends SET.request with mode=0 and FlowControl=1, requesting storage of DATA2 in the data element given by EID=EID1 and attributeId=attributeID1 in the IUT.
	 Verify proper operation of IUT by retrieval of EID=EID1, attributeId=attributeID1 using GET.request.

TP/AL-T/OBU/BV/06	Verify that the OBU can receive SET.request with mode=0 and with LID=broadcast after initialization,and GET.request and manage GET.response, with private LID		
	Reference:	EN 12834 [1] clauses 6.2 and Annex A	
	PICS Selection:	Table A.1/1 AND Table A.8/1 AND Table A.8/2 AND Table A.8/3	
		AND Table E.3/4 AND Table E.2/11 AND Table E.3/9	
	TC reference:	TC_AL_T_OBU_BV_06	
	Initial condition:	OBU already initialized, waiting to be served by tester.	
	Stimulus and Expected Behaviour:		
		nds SET.request with mode=0, FlowControl=1 and LID=broadcast,	
	requesting storage of data=DATA1 in the IUT.		
	Tester sends GET.request in order to retrieve the data sent in step 1.		
		t the data retrieved in step 2 is identical to the data sent in step 1.	
	4. Tester sends SET.request with mode=0 and FlowControl=1 and LID=broadcast,		
	requesting storage of data=DATA2 in the IUT.		
	5. Tester sends GET.request in order to retrieve the data sent in step 4.		
	Verify that	t the data retrieved in step 5 is identical to the data sent in step 4.	

TP/AL-T/OBU/BV/07	Verify that the OBU can receive SET.request with mode=0 and with LID=broadcast		
	without initialization, and GET.request and manage GET.response, with private LID		
	Reference:	EN 12834 [1] clauses 6.2 and Annex A	
	PICS Selection:	Table A.1/1 AND Table A.2/5 AND Table A.3/3 AND Table A.8/1	
		AND Table A.8/2 AND Table A.8/3 AND Table C.4/7 AND Table	
		E.3/4 AND Table E.2/11 AND Table E.3/9	
	TC reference:	TC_AL_T_OBU_BV_07	
	Initial condition:	OBU not in sleep mode and not yet initialized.	
	Stimulus and Ex	pected Behaviour:	
	 Tester se 	ends SET.request with mode=0, FlowControl=1 and LID=broadcast,	
	•	ng storage of data=DATA1 in the IUT.	
	Perform	initialization with the IUT.	
	3. Tester se	ends GET.request in order to retrieve the data sent in step 1.	
	4. Verify that	at the data retrieved in step 2 is identical to the data sent in step 1.	
	5. Tester se	ends RELEASE command.	
	6. Tester immediately, i.e. before beacon time-out, sends SET. request with		
	mode=0, FlowControl=1 and LID=broadcast, requesting storage of data=DATA2		
	in the IUT.		
	7. Repeat s	tep 2 after beacon time-out.	
	8. Tester sends GET.request in order to retrieve the data sent in step 6.		
	9. Verify that	at the data retrieved in step 8 is identical to the data sent in step 6.	

TP/AL-T/OBU/BV/08	Verify that the OBU can receive ACTION.request with mode=1 and manage ACTION.response, with LID=private	
	Reference: EN 12834 [1] clauses 6.2 and Annex A	
	PICS Selection:	Table A.1/1 AND Table A.8/5 AND Table A.8/6 AND Table E.2/13
		AND Table E.3/11
	TC reference: TC_AL_T_OBU_BV_08	
	Initial condition: OBU already initialized, waiting to be served by tester.	
	Stimulus and Expected Behaviour:	
	 Tester sends ACTION.request with mode=1 and FlowControl=7. 	
	Verify pro	per operation of IUT by checking the ACTION.response.

TP/AL	-T/OBU/BV/09	Verify that the OBU can receive ACTION.request with mode=0 and LID=private	
		Reference:	EN 12834 [1] clauses 6.2 and Annex A
		PICS Selection:	Table A.1/1 AND Table A.8/5 AND Table E.2/10
		TC reference:	TC_AL_T_OBU_BV_09
		Initial condition:	OBU already initialized, waiting to be served by tester.
		Stimulus and Expected Behaviour:	
		 Tester sends ACTION.request with mode=0 and FlowControl=4. 	
		Verify pro	per operation of IUT by human observation of IUT behaviour.
NOTE:	The applicant s	shall declare the SET_MMI ACTION type if possible, that allows human observation of	
	command exec	ution.	

TP/AL	-T/OBU/BV/10	Verify that the OBU can receive ACTION.request with mode=0 and LID=private		
		Reference:	EN 12834 [1] clauses 6.2 and Annex A	
		PICS Selection:	Table A.1/1 AND Table A.8/5 AND Table E.2/7	
		TC reference:	TC_AL_T_OBU_BV_10	
		Initial condition:	OBU already initialized, waiting to be served by tester.	
		Stimulus and Expected Behaviour:		
		1. Tester sends ACTION.request with mode=0 and FlowControl=1.		
		Verify pro	oper operation of IUT by human observation of IUT behaviour.	
NOTE:	The applicant s		T_MMI ACTION type if possible, that allows human observation of	

TP/AL	-T/OBU/BV/11	Verify that the OB after initialization	BU can receive ACTION.request with mode=0 with LID=broadcast
		Reference:	EN 12834 [1] clauses 6.2 and Annex A
		PICS Selection:	Table A.1/1 AND Table A.8/5 AND Table E.2/5
		TC reference:	TC_AL_T_OBU_BV_11
		Initial condition:	OBU already initialized, waiting to be served by tester.
		Stimulus and Exp	pected Behaviour:
			nds ACTION.request with mode=0, FlowControl=1 and LID=broadcast.
		Verify pro	per operation of IUT by human observation of IUT behaviour.
NOTE:	The applicant sommand exec		_MMI ACTION type if possible, that allows human observation of

TP/AI	L-T/OBU/BV/12		BU can receive and manage ACTION.request with mode=0 and st without initialization
		Reference:	EN 12834 [1] clauses 6.2 and Annex A
		PICS Selection:	Table A.8/5 ANDTable E.2/5
		TC reference:	TC_AL_T_OBU_BV_12
		Initial condition:	OBU not in sleep mode and not yet initialized.
		Stimulus and Expected Behaviour:	
	 Tester sends ACTION.request with mode=0, FlowControl=1 and Verify proper operation of IUT by human observation of IUT beha 		nds ACTION.request with mode=0, FlowControl=1 and LID=broadcast. per operation of IUT by human observation of IUT behaviour.
NOTE:	The applicant s command exec		_MMI ACTION type if possible, that allows human observation of

TP/AL-T/OBU/BV/13	Verify that the OBU can receive and manage non-fragmented APDUs with random PDU number	
	Reference:	EN 12834 [1] clauses 6.3.3
	PICS Selection:	Table A.1/1 AND
		(Table E.2/11 AND Table E.3/9) OR
		(Table E.2/12 AND Table E.3/10) OR
		(Table E.2/13 AND Table E.3/11)
)
	TC reference:	TC_AL_T_OBU_BV_13
	Initial condition:	OBU already initialized, waiting to be served by tester.
	Stimulus and Expected Behaviour:	
	 Tester ser 	nds SERVICE.request with mode=1 and FlowControl=7 with a random
	choice of	PDU number in the allowed range of 2 through 31.
	2. Verify IUT	correctly replies with SERVICE.response.
	Repeat st	eps 1 and 2 until all allowed values of the PDU number field are
	tested.	
NOTE: SERVICE shall	be out of GET, SET,	ACTION, as declared by the applicant.

TP/AL	-T/OBU/BV/14	Verify that the OF applications	BU can receive and manage multiplexed APDUs from two different
		Reference:	EN 12834 [1] clauses 6.3.5 and 6.3.9
		PICS Selection:	Table A.1/1 AND Table A.2/6 AND Table A.6/7
			(Table E.2/11 AND Table E.3/9) OR
			(Table E.2/12 AND Table E.3/10) OR
			(Table E.2/13 AND Table E.3/11)
		TC reference:	TC_AL_T_OBU_BV_14
		Initial condition:	, , , , , , , , , , , , , , , , , , , ,
			served by tester. It is allowed to be #A = #B, i.e. APDUs related only
			to a single type of application, but using different EIDs.
			pected Behaviour:
			ends SERVICE.request (#a) with mode=1 and FlowControl=7 for #A.
			Correctly responds with SERVICE.response (#a).
			ends SERVICE.request (#b) with mode=1 and FlowControl=7 for #B.
			Correctly responds SERVICE.response (#b).
			ends SERVICE.request (#c) with mode=1 and FlowControl=7 for #A.
			T correctly responds SERVICE.response (#c).
			ends SERVICE.request (#d) with mode=1 and FlowControl=7 for #B.
NOTE	050,405 1 11		Correctly responds SERVICE.response (#d).
NOTE:			, ACTION, as declared by the applicant.
		wed as basic EID o	of an application, however it might be used in addition to the two other
	EIDs!		

TP/AL-T/OBU/BV/16	Verify that the OB from a single app	BU can receive and manage concatenated and chained APDUs lication
	Reference:	EN 12834 [1] clauses 6.3.8
	PICS Selection:	Table A.1/1 AND Table A.6/9 AND
		((Table E.2/11 AND Table E.3/9) OR
		(Table E.2/12 AND Table E.3/10) OR
		(Table E.2/13 AND Table E.3/11)
	TC reference:	TC_AL_T_OBU_BV_16
	Initial condition:	OBU already initialized for test application, waiting to be served by
		tester.
	Stimulus and Exp	ected Behaviour:
	 Tester se 	nds concatenated T-APDUs with mode=1 and FlowControl=7.
	Verify IUT	correctly replies concatenated responses
NOTE: APDUs to be ch	nained shall be out o	f GET, SET, ACTION, EVENT-REPORT as declared by the applicant.

5.2.2 BI test purposes

Test subgroup objective:

to check the behaviour of the of the IUT in response to invalid messages and behaviour from the test tool.

TP/AL-T/OBU/BI/01	Verify that the OBU can receive and manage PDUs addressed to the Broadcast Kernel in case the OBU only supports the Initialization Kernel and the Transport Kernel		
	Reference:	EN 12834 [1] clause 6.3.3 and Annex A	
	PICS Selection:	Table A.1/1 AND NOT Table A.1/3	
		AND Table E.2/11 AND Table E.3/9	
		AND Table E.2/12 AND Table E.3/10	
	TC reference:	TC_AL_T_OBU_BI_01	
	Initial condition:	OBU already initialized, waiting to be served by tester.	
	Stimulus and Exp	pected Behaviour:	
		ends a GET.request to retrieve EID=EID1 and attributeId=attributeID1.	
		oper ReturnStatus indicated in the GET.response.	
		at the data retrieved in step 2 is as defined.	
	4. Tester se	ends SET.request () with mode=1 and FlowControl=7 with private LID	
		the PDU number set to the illegal value of 0 in order to set	
		TA2 in the attribute given by EID=EID1 and attributeId=attributeID1.	
		whether IUT prompts the command with any kind of error status.	
		ends a GET.request to retrieve EID=EID1 and attributeId=attributeID1.	
	7. Verify that the data retrieved in step 7 is equal to the data retrieved in step 1.		
	8. Repeat s	teps 4. through 7. with the PDU number set to the illegal value of 1.	

TP/AL-T/OBU/BI/02	Verify that the OBU can receive and manage PDUs addressed to the Broadcast Kernel in case the OBU only supports the Initialization Kernel and the Transport Kernel	
	Reference:	EN 12834 [1] clause 6.3.3 and Annex A
	PICS Selection:	Table A.1/1 AND NOT Table A.1/3 AND Table A.7/1
	TC reference:	TC_AL_T_OBU_BI_02
	Initial condition:	OBU awake but not yet.
	Stimulus and Expected Behaviour:	
		nds INITIALizaTION.request with the PDU number set to 0, allocating uplink windows.
	Verify tha	t the IUT does not send PrWRq. eps 1. and 2. with the PDU number set to 1.

TP/AL-T/OBU/BI/03	Verify that the OBU can receive and manage non-fragmented PDUs with wrong fragment counter value	
	Reference:	EN 12834 [1] clause 6.3.3
	PICS Selection:	Table A.1/1 AND Table A.7/1
		(
		(Table E.2/11 AND Table E.3/9) OR
		(Table E.2/12 AND Table E.3/10) OR
		(Table E.2/13 AND Table E.3/11)
	TC reference:	TC_AL_T_OBU_BI_03
	Initial condition:	OBU already initialized, waiting to be served by tester.
	Stimulus and Exp	ected Behaviour:
	Tester ser	nds SERVICE.request with mode=1 and FlowControl=7 with the
	fragment	counter set to any value different to 0.
	2. Verify IUT	does not respond with SERVICE.response.
	Repeat st	eps 1. and 2. for all missing possible wrong values of the fragment
	counter, e	except for the correct value 0.
	Repeat st	ep 1 with correct value of fragment counter.
	5. Verify IUT	correctly responds.
NOTE: SERVICE shall	be out of SET, GET,	, ACTION, as declared by the applicant.

TP/AL-T/OBU/BI/04	Verify that the OBU can receive and manage non-fragmented PDUs with wrong	
	fragment counter value	
	Reference:	EN 12834 [1] clause 6.3.3
	PICS Selection:	Table A.1/1 AND Table A.7/1
	TC reference:	TC_AL_T_OBU_BI_04
	Initial condition:	OBU awake but not yet initialized.
	Stimulus and Exp	pected Behaviour:
	 Tester se 	nds INITIALizaTION.request with the fragment counter set to any
	value diffe	erent to 0, allocating N5 public uplink windows.
	Verify IUT	does not respond with PrWRq.
	Repeat st	eps 1. and 2. for all missing possible wrong values of the fragment
	counter, e	except for the correct value 0.
	Repeat st	ep 1 with correct value of fragment counter.
	5. Verify IUT	correctly responds with PrWRq.

TP/AL-T/OBU/BI/06		U can receive and manage concatenated and chained APDUs lication with chaining error
	Reference:	EN 12834 [1] clauses 6.3.8
	PICS Selection:	Table A.1/1 AND Table A.6/9 AND Table A.11/5 AND Table A.15/4
		AND Table A.19/5
		(
		(Table E.2/11 AND Table E.3/9) OR
		(Table E.2/12 AND Table E.3/10) OR
		(Table E.2/13 AND Table E.3/11)
	TC reference:	TC_AL_T_OBU_BI_06
	Initial condition:	OBU already initialized for test application, waiting to be served by
		tester.
	Stimulus and Expected Behaviour:	
	 Tester ser 	nds SERVICE.request (not applicable at IUT) concatenated and
		rith SERVICE.request (applicable at IUT) with FlowControl=7.
		correctly replies with SERVICE.response (ReturnStatus with a status
		noError, accessDenied or chainingError) concatenated with
	SERVICE	.response (ReturnStatus(chainingError)).
NOTE: SERVICE shall	be out of SET, GET	, ACTION, as declared by the applicant.

5.3 Application T-kernel test purposes for Road Side Unit

5.3.1 BV test purposes

Test subgroup objective:

- to test the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system.

TP/AL-T/RSU/BV/01	Verify that the RSU can receive and manage non-fragmented APDUs with random PDU number		
	Reference: EN 12834 [1] clauses 6.3.3 and Annex A		
	PICS Selection: Table B.1/1 AND Table B.7/1		
	TC reference: TC_AL_T_RSU_BV_01		
	Initial condition: RSU ready for normal operation sending BST on request.		
	Stimulus and Expected Behaviour:		
	Tester receives valid BST.		
	Tester sends valid VST with random PDU number.		
	Verify IUT acknowledges VST with privately addressed request.		
	4. Repeat steps 1. through 3. until all allowed values of the PDU number field are		
	tested.		

5.3.2 BI test purposes

Test subgroup objective:

to check the behaviour of the of the IUT in response to invalid messages and behaviour from the test tool.

TP/AL-T/RSU/BI/01	Verify that the RSU can manage PDUs addressed to the Broadcast Kernel in case the RSU only supports the Initialization Kernel and the Transport Kernel	
	Reference: EN 12834 [1] clause 6.3.3	
	PICS Selection: Table B.1/1 AND NOT Table B.1/3 AND Table B.7/1	
	TC reference: TC_AL_T_RSU_BI_01	
	Initial condition: RSU is running a single test application, sending on request BST	
	with FlowControl=2, LID=broadcast.	
	Stimulus and Expected Behaviour:	
	Tester receives INITIALizaTION.request.	
	Tester sends INITIALizaTION.response with the PDU number set to 0.	
	 Verify IUT does not accept the response by sending any further privately addressed frame to this OBU. 	
	4. Repeat steps 1 through 3 with the PDU number set to 1 in step 2.	

TP/AL-T/RSU/BI/02	Verify that the RSU can manage PDUs addressed to the Broadcast Kernel in case the RSU only supports the Initialization Kernel and the Transport Kernel		
	Reference:	EN 12834 [1] clause 6.3.3 and Annex A	
	PICS Selection:	Table B.1/1 AND NOT Table B.1/3 AND Table B.7/1 AND	
		(Table F.2/11 AND Table F.3/9) OR	
		(Table F.2/12 AND Table F.3/10) OR	
		(Table F.2/13 AND Table F.3/11)	
)	
	TC reference:	TC AL T RSU BI 02	
	Initial condition:	RSU is running a single test application, awaiting a L7	
	illitiai collultioli.		
		SERVICE.response TSPX_APDU_7a_EIDa_rsp upon requested	
		command. Proper reception of the SERVICE.response will cause	
		transmission of the next L7 SERVICE.request.	
		TSPX_APDU_7b_EIDa_req. Alternatively the original request will be	
		repeated by the RSU layer 7 after the next BST sent with	
		FlowControl=2, LID=broadcast.	
	Stimulus and Exp	ected Behaviour:	
	1. Tester red	ceives SERVICE.request.	
		nds SERVICE.response with the PDU number set to 0.	
		does not accept the response by sending the next SERVICE.request	
	to this OB	1 1 7 5	
		eps 1 through 3 with the PDU number set to 1 in step 2.	
NOTE: SERVICE shall	•	ACTION, as declared by the applicant.	

TP/AL-T/RSU/BI/03	Verify that the RS fragment counter	U can receive and manage non-fragmented PDUs with wrong
	Reference:	EN 12834 [1] clause 6.3.3 and Annex A
	PICS Selection:	Table B.1/1 AND Table B.7/1 AND
		(
		(Table F.2/11 AND Table F.3/9) OR
		(Table F.2/12 AND Table F.3/10) OR
		(Table F.2/13 AND Table F.3/11)
	TC reference:	TC_AL_T_RSU_BI_03
	Initial condition:	RSU is running a single test application. RSU is awaiting a
		non-fragmented SERVICE.response from the tester upon request.
		Upon reception of the response, RSU will send next non-fragmented
		SERVICE.request. Alternatively the original request will be repeated
		by the RSU layer 7 after the next BST with FlowControl=2,
		LID=broadcast.
	Stimulus and Exp	
		ceives SERVICE.request.
		nds SERVICE.response with the fragment counter set to 1.
	•	does not accept the response by sending the next SERVICE.request
	to this OB	
		eps 1. through 3. for all missing possible wrong values of the fragment
		except for the correct value 0.
NOTE: SERVICE shall	be out of GET, SET	, ACTION, as declared by the applicant.

5.4 Application I-kernel test purposes for On Board Unit

5.4.1 BV test purposes

Test subgroup objective:

- to test the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system.

TP/AL-I/OBU/BV/01	Verify that the OBU can receive and manage INITIALizaTION.request (BST)		
	Reference:	EN 12834 [1] clauses 6.2 and Annex A	
	PICS Selection:	Table A.1/1 AND Table A.3/1 AND Table A.3/2	
	TC reference:	TC_AL_I_OBU_BV_01	
	Initial condition:	OBU not in sleep mode and not yet initialized.	
	Stimulus and Expected Behaviour:		
		nds INITIALizaTION.request (BST) with FlowControl=2 with proper	
		all BST parameters such, that Initialization of the IUT is expected.	
		responds with INITIALizaTION.response (VST).	
	Tester im	mediately sends any further private command to this IUT.	
	Tester im	mediately sends the next BST.	
	5. Verify IUT	does not request a private uplink window.	

TP/AL-I/OBU/BV/02	Verify that the OBU can receive and manage EVENT-REPORT.request (RELEASE) with mode=0		
	Reference:	EN 12834 [1] clauses 6.2 and Annex A	
	PICS Selection:	Table A.1/1 AND Table A.2/5 AND Table A.3/3 AND Table A.8/7	
	TC reference:	TC_AL_I_OBU_BV_02	
	Initial condition:	OBU already initialized, waiting to be served by tester.	
	Stimulus and Exp	Stimulus and Expected Behaviour:	
	 Tester se 	nds EVENT-REPORT.request (RELEASE) with mode=0 and	
	FlowCont	rol=1.	
	Tester im	mediately sends empty ECHO command to this IUT.	
	3. Verify IU7	no more responds to the tester.	

TP/AL-I/OBU/BV/03	Verify that the OBU can read and manage the BeaconID contained in the BST
	Reference: EN 12834 [1] clause 7.3.2 and Annex A
	PICS Selection: Table A.1/1 AND Table A.2/3 AND Table A.4/1
	TC reference: TC_AL_I_OBU_BV_03
	Initial condition: OBU not in sleep mode and not yet initialized.
	Stimulus and Expected Behaviour:
	1. Tester sends INITIALizaTION.request (BST) with mode=1 and FlowControl=2
	and BeaconID.manufacturerid = manufacturerID1 and BeaconID.individualid =
	individualID1, and with proper setting of all other BST parameters such, that
	Initialization of the IUT is expected.
	Verify IUT initializes with INITIALizaTION.response (VST).
	Tester finalizes initialization by sending any further privately addressed frame t the IUT.
	4. Verify that IUT responds correctly.
	 Tester sends INITIALizaTION.request (BST) with mode=1 and FlowControl=2 and BeaconID.manufacturerid = manufacturerID2 and BeaconID.individualid = individualID1.
	6. Verify IUT initializes with INITIALizaTION.response (VST) and new private LID
	Tester finalizes initialization by sending any further privately addressed frame t the IUT.
	8. Tester sends INITIALizaTION.request (BST) with mode=1 and FlowControl=2 and BeaconID.manufacturerid = manufacturerID2 and BeaconID.individualid = individualID2.
	9. Verify IUT initializes with INITIALizaTION.response (VST) and new private LID.

TP/AL-I/OBU/BV/04	Verify that the OBU can read and manage time of reception of BST contained it the parameter Time of the BST		
	Reference: EN 12834 [1] clause 7.3.2 and Annex A		
	PICS Selection: Table A.1/1 AND Table A.2/4 AND Table A.4/2		
	TC reference: TC_AL_I_OBU_BV_04		
	Initial condition: OBU not in sleep mode and not yet initialized.		
	Stimulus and Expected Behaviour:		
	 Tester sends INITIALizaTION.request (BST) with mode=1 and FlowC 	ontrol=2	
	and Time = Tref such, that Initialization of the IUT is expected.		
	Verify IUT initializes with INITIALizaTION.response (VST).		
	Tester finalizes initialization by sending any further privately addresse the IUT.	ed frame to	
	4. Verify that IUT responds properly.		
	 Tester sends INITIALizaTION.request (BST) with mode=1 and FlowC and Time = Tref+256 s. 	Control=2	
	Verify IUT initializes with INITIALizaTION.response (VST).		
	 Tester finalizes initialization by sending any further privately addresse the IUT. 	ed frame to	
	8. Verify that IUT responds properly.		

TP/AL-I/OBU/BV/05	Verify that the O	BU can manage profile selection
	Reference:	EN 12834 [1] clauses 7.3.2 and Annex A
		EN 12253 [2] clause 5.3
	PICS Selection:	Table A.1/1 AND Table A.4/3 AND Table A.4/10 AND Table A.5/2
		AND NOT Table E.1/1
	TC reference:	TC_AL_I_OBU_BV_05
	Initial condition:	OBU not in sleep mode and not yet initialized.
		Profiles #A and #B shall be supported in the OBU. Profiles #C and
		#D shall not be supported in the OBU.
	Stimulus and Ex	pected Behaviour:
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D1and BST.profile=#A and BST.profileList being empty.
		IT initializes with INITIALizaTION.response (VST) using profile #A.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D2 and BST.profile=#B and BST.profileList being empty.
		JT initializes with INITIALizaTION.response (VST) using profile #B.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D1 and BST.profile=#C and BST.profileList containing the value #A.
		JT initializes with INITIALizaTION.response (VST) using profile #A.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D2 and BST.profile=#C and BST.profileList containing the value #B. IT initializes with INITIALizaTION.response (VST) using profile #B.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D1 and BST.profile=#A and BST.profileList containing the value #C.
		IT initializes with INITIALizaTION.response (VST) using profile #A.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D2 and BST.profile=#B and BST.profileList containing the value #C.
		IT initializes with INITIALizaTION.response (VST) using profile #B.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D1 and BST.profile=#C and BST.profileList containing the values #D in
		entry and #A in the second entry.
	14. Verify IL	JT initializes with INITIALizaTION.response (VST) using profile #A.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
	Beaconl	D2 and BST.profile=#C and BST.profileList containing the values #D in
	the first	entry and #B in the second entry.
	16. Verify IL	IT initializes with INITIALizaTION.response (VST) using profile #B.

TP/AL-I/OBU/BV/07	Verify that the O	BU can manage applications
	Reference:	EN 12834 [1] clauses 7.3.2 and Annex A
	PICS Selection:	Table A.1/1 AND Table A.2/2 AND Table A.2/6 AND Table A.4/4
		AND Table A.4/7 AND Table A.5/3 AND Table A.5/4 AND Table
		A.5/5 Table C.2/5 AND Table C.2/6 AND Table C.3/4 AND Table
		C.3/5
	TC reference:	TC_AL_I_OBU_BV_07
	Initial condition:	OBU not in sleep mode and not yet initialized.
		The application type aid=#A shall be supported by the OBU, and the
		application type aid=#B shall not be supported in the OBU.
	Stimulus and Ex	pected Behaviour:
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D1 and BST.mandApplications.aid=#A and BST.nonmandApplications
	being en	
		T initializes with INITIALizaTION.response (VST) offering details of the
		ed application in VST.applications.ApplicationContextMark.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D2 and BST.mandApplications.aid=#A and
		mandApplications.aid=#B.
		T initializes with INITIALizaTION.response (VST) offering details of the
		ed application in VST.applications.ApplicationContextMark.
		ends INITIALizaTION.request (BST) with FlowControl=2 and
		D1 and BST.mandApplications.aid=#B and
		mandApplications.aid=#A.
		IT initializes with INITIALizaTION.response (VST) offering details of the ad application in VST.applications.ApplicationContextMark.
	Supporte	eu application in vor.applications.ApplicationContextiviark.

TP/AL-I/OBU/BV/09	Verify that the OBU can manage profile selection	
	Reference: EN 12834 [1] clauses 7.3.2 and Annex A	
	EN 13372 [3] clause 8	
	EN 12253 [2] clause 5.3	
	PICS Selection: Table A.1/1 AND Table A.4/3 AND Table A.4/10 AND Table A.5/2	
	AND Table E.1/1	
	TC reference: TC_AL_I_OBU_BV_09	
	Initial condition: OBU not in sleep mode and not yet initialized.	
	Profiles 0 and 1 shall be supported in the OBU. Profile #C shall not	
	be supported in the OBU.	
	Stimulus and Expected Behaviour:	
	 Tester sends INITIALizaTION.request (BST) with FlowControl=2 and 	
	BeaconID1 and BST. profile=0 and BST.profileList being empty.	
	2. Verify IUT initializes with INITIALizaTION.response (VST) using profile 0.	
	3. Tester sends INITIALizaTION.request (BST) with FlowControl=2 and	
	BeaconID2 and BST. profile=0 and BST.profileList containing the values 1 and	
	#C.	
	4. Verify IUT initializes with INITIALizaTION.response (VST) using profile 0.	
	5. Tester sends INITIALizaTION.request (BST) with FlowControl=2 and	
	BeaconID1 and BST.profile=1 and BST.profileList being empty.	
	6. Verify IUT initializes with INITIALizaTION.response (VST) using profile 1.	
	7. Tester sends INITIALizaTION.request (BST) with FlowControl=2 and	
	BeaconID2 and BST. profile=1 and BST.profileList containing the values 0 and #C.	
	8. Verify IUT initializes with INITIALizaTION.response (VST) using profile 1.	
	o. Votiny for initialized with fixth telegrounds (Vot) using profile 1.	

5.4.2 BI test purposes

Test subgroup objective:

to check the behaviour of the of the IUT in response to invalid messages and behaviour from the test tool.

TP/AL-I/OBU/BI/01	Verify that the OBU can manage profile selection		
	Reference:	EN 12834 [1] clauses 7.3.2 and Annex A	
	PICS Selection:	Table A.1/1 AND Table A.2/6 AND Table A.4/3 AND Table A.5/2	
	TC reference:	TC_AL_I_OBU_BI_01	
	Initial condition:	OBU not in sleep mode and not yet initialized.	
		The profiles #C and #D shall not be supported in the OBU.	
	Stimulus and Exp	pected Behaviour:	
		nds INITIALizaTION.request (BST) with FlowControl=2 and	
	BST.profile=#C and BST.profileList being empty.		
	Verify IUT does not initialize with INITIALizaTION.response (VST).		
	Tester sends INITIALizaTION.request (BST) with FlowControl=2 and		
		le=#D and BST.profileList being empty.	
	4. Verify IUT	does not initialize with INITIALizaTION.response (VST).	

TP/AL-I/OBU/BI/02	Verify that the OBU can manage applications		
	Reference:	EN 12834 [1] clauses 7.3.2 and Annex A	
	PICS Selection:	Table A.1/1 AND Table A.2/6 AND Table A.4/4 AND Table A.4/7	
		AND Table A.5/3 AND Table C.2/5 AND Table C.2/6 AND Table	
		C.2/8 AND Table C.2/9 AND Table C.3/4 AND Table C.3/5	
	TC reference:	TC_AL_I_OBU_BI_02	
	Initial condition:	OBU not in sleep mode and not yet initialized.	
		The applications aid=#A and aid=#B shall not be supported in the	
		OBU.	
	Stimulus and Exp	ected Behaviour:	
	 Tester se 	nds INITIALizaTION.request (BST) with FlowControl=2 and	
	BST.man	dApplications.aid=#A and BST.nonmandApplications being empty.	
	Verify IUT	does not initialize with INITIALizaTION.response (VST).	
	Tester se	nds INITIALizaTION.request (BST) with FlowControl=2 and	
	BST.man	dApplications.aid=#B and BST.nonmandApplications.aid=#A.	
	4. Verify IUT	does not initialize with INITIALizaTION.response (VST).	

5.5 Application I-kernel test purposes for Road Side Unit

5.5.1 BV test purposes

Test subgroup objective:

- to test the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system.

TP/AL-I/RSU/BV/01	Verify tha	t the RS	U can read and manage profile contained in the VST
	Reference:		EN 12834 [1] clauses 6.2, 7.3.2, 7.3.3 and Annex A
	PICS Sele	ection:	Table B.1/1 AND Table B.3/2 AND Table B.5/2
	TC refere	nce:	TC_AL_I_RSU_BV_01
	Initial cor	ndition:	RSU is running a single test application, transmitting on request
			INITIALizaTION.request (BST) with FlowControl=2, LID=broadcast,
			changing BST.profile in every next BST, offering at least the two
			profiles 0 and 1.
	Stimulus and Exp		
	 Tester red 		ceives INITIALizaTION.request with BST.profile set to the first value.
			ProfileList may exist.
			responding with INITIALizaTION.response (VST), with profile offered
			using the correct ApplicationList.
			acknowledges initialization of OBU by sending any privately
	_		d command different to RELEASE.
	4. F	Repeat st	eps 1. through 3. for the next profile with new private LID.

TP/AL-I/RSU/BV/02	Verify that the RSU can read applications contained in the VST		
	Reference:	EN 12834 [1] clauses 6.2 7,.3.3 and Annex A	
	PICS Selection:	Table B.1/1 AND Table B.3/2 AND Table B.5/3	
	TC reference:	TC_AL_I_RSU_BV_02	
	Initial condition:	RSU is running a single test application, transmitting on request	
		INITIALizaTION.request (BST) with FlowControl=2, LID=broadcast.	
	Stimulus and Expected Behaviour:		
	 Tester red 	ceives INITIALizaTION.request.	
	2. Tester is responding with INITIALizaTION.response (VST), with ApplicationList.		
	3. containing a single entry: aid = valid, eid = valid, parameter = valid.		
	4. Verify IUT acknowledges initialization of OBU by sending any privately		
	addressed command different to RELEASE.		
NOTE: The term "valid"	means, that the value is supported at the RSU.		

TP/AL-I/RSU/BV/03	Verify that the RSU can read and manage EIDs of applications contained in the VST		
	Refere	nce:	EN 12834 [1] clauses 6.2, 7.3.3 and Annex A
	PICS S	election:	Table B.1/1 AND Table B.3/2 AND Table D.3/5
	TC refe	rence:	TC_AL_I_RSU_BV_03
	Initial c	ondition:	RSU is running a single test application, transmitting on request
			INITIALizaTION.request (BST) with FlowControl=2, LID=broadcast,
			offering a single type of application and supporting a single context
			of this application.
	Stimulus and Exp		
	 Tester rec 		ceives INITIALizaTION.request.
	2.		responding with INITIALizaTION.response (VST), requiring the offered
	_		n context with EID=1.
	addressed		does acknowledge initialization of OBU by sending any privately
			d command different to RELEASE.
			eps 1. and 2. for all values of EID in the range from 2 to 127, each
		time with	new private LID.

TP/AL-I/RSU/BV/04	Verify that the RSU can read and manage multiple applications in VST		
	Reference:	EN 12834 [1] clauses 6.2, 7.3.3 and Annex A	
	PICS Selection:	Table B.1/1 AND Table B.2/4 AND Table B.3/2 and Table D.3/4 AND	
		Table D.3/5	
	TC reference:	TC_AL_I_RSU_BV_02	
	Initial condition:	RSU is running two test applications, transmitting on request	
		INITIALizaTION.request (BST) with FlowControl=2, LID=broadcast.	
	Stimulus and Exp	ected Behaviour:	
	 Tester red 	ceives INITIALizaTION.request.	
	2. Tester is	responding with INITIALizaTION.response (VST), with new private LID	
		ApplicationList containing a two entries:	
	1) entry: a	aid=valid, eid = valid, parameter: Context = valid.	
	2) entry: a	aid=valid, eid = other valid, parameter: Context = other valid.	
	Verify IUT	acknowledges initialization of OBU by accessing one of the	
	applications identified in step 2 above.		
NOTE: The term "valid"	means, that the val	ue is supported at the RSU.	

5.5.2 BI test purposes

Test subgroup objective:

- to check the behaviour of the of the IUT in response to invalid messages and behaviour from the test tool.

TP/AL-I/RSU/B	I/01 Verify that the RS	SU can read and manage the ApplicationList contained in the VST		
	Reference:	EN 12834 [1] clauses 6.2, 7.3.3 and Annex A		
	PICS Selection:	Table B.1/1 AND Table B.5/3		
	TC reference:	TC_AL_I_RSU_BI_01		
	Initial condition:	RSU is running test application, transmitting on request		
		INITIALizaTION.request (BST) with FlowControl=2, LID=broadcast.		
	Stimulus and Ex	pected Behaviour:		
	 Tester re 	ceives INITIALizaTION.request.		
		responding with INITIALizaTION.response (VST), with ApplicationList		
		g a single entry: aid = invalid, parameter Context = valid.		
	3. Verify IU	T does not acknowledge initialization of OBU by sending a privately		
	5.5.5	addressed frame to it other than the RELEASE command.		
	4. Observe,	4. Observe, whether IUT sends allowed EVENT-REPORT.request (RELEASE).		
NOTE: The term	"valid" means, that the va	means, that the value is supported at the RSU.		
The term	"invalid" means that the v	lid" means that the value is not supported at the RSU.		

TP/AL-I/RSU/BI/02	Verify that the RS contained in the	U can read and manage wrong EID=0 of non-system applications
	Reference:	EN 12834 [1] clauses 6.2, 7.3.3 and Annex A
	PICS Selection:	Table B.1/1 AND Table D.3/4
	TC reference:	TC_AL_I_RSU_BI_02
	Initial condition:	RSU is running a single test application, not a system application,
		transmitting on request INITIALizaTION.request (BST) with mode=1
		and FlowControl=2, LID=broadcast.
	Stimulus and Exp	pected Behaviour:
	 Tester red 	ceives INITIALizaTION.request.
	Tester is	responding with INITIALizaTION.response (VST), with ApplicationList
	containing	g a single entry: aid = valid and not equal to aid=0, parameter = valid,
	EID=0.	
		does not acknowledge initialization of OBU by sending a privately frame to it other than the RELEASE command.

TP/AL-I/RSU/BI/03	Verify that the RSU can read and manage wrong profile contained in the VS		
	Reference:	EN 12834 [1] clauses 6.2, 7.3.2, 7.3.3 and Annex A	
	PICS Selection:	Table B.1/1 AND Table B.5/2	
	TC reference:	TC_AL_I_RSU_BI_03	
	Initial condition:	RSU is running a single test application, transmitting on request	
		INITIALizaTION.request (BST) with mode=1 and FlowControl=2,	
		LID=broadcast.	
	Stimulus and Exp	ected Behaviour:	
	Tester receives INITIALizaTION.request.		
		responding with INITIALizaTION.response (VST), with profile not	
	supported		
		does not acknowledge initialization of OBU by sending a privately	
	addresse	d frame to it other than the RELEASE command.	

TP/AL-I/RSU/	BI/04 Verify th	Verify that the RSU can read and manage the ApplicationList contained in the VST		
	Referen	ce:	EN 12834 [1] clauses 6.2, 7.3.3 and Annex A	
	PICS Se	lection:	Table B.1/1 AND Table B.5/3	
	TC refer	rence:	TC_AL_I_RSU_BI_01	
	Initial co	ondition:	RSU is running test application, transmitting on request	
			INITIALizaTION.request (BST) with FlowControl=2, LID=broadcast.	
	Stimulu	s and Exp	ected Behaviour:	
	1.	Tester red	ceives INITIALizaTION.request.	
	2.	Tester is i	responding with INITIALizaTION.response (VST), with ApplicationList	
		containing	g a two entries:	
		1) entry: a	aid=invalid, eid = valid, parameter: Context = valid.	
		, ,	aid=valid, eid = other valid, parameter: Context = valid.	
	3.	Verify IUT	acknowledges initialization of OBU by performing the application as	
		indicated in the second entry of the previous step.		
NOTE: The term	m "valid" means th	d" means that the value is supported at the RSU.		
The ter	m "invalid" means that the value is not supported at the RSU.			

Annex A (informative): Test coverage matrix

A.1 Introduction

The following tables show the test purposes coverage with respect to:

- a) relevant clauses in the base standard; and
- b) PICS statements.

There is one table for OBU and one table for RSU.

The tables are ordered by base standard clauses. When no other indication is given, it is assumed that the referenced clause contains one testable statement. Otherwise, the referenced statement is identified by the order of sentences, list items, or rules specified in the clause.

A.2 OBU test coverage matrix

Base standard clause	PICS reference	Test purpose
Foreword	None	Nothing to be tested
1 Scope	None	Nothing to be tested
2 Normative References	None	Nothing to be tested
3 Terms and Definitions	None	Nothing to be tested
4 Abbreviations	None	Nothing to be tested
5 Initialization Kernel	Table A.1 - Item 1	Explicit tests:
mandatory, if B-Kernel is not existent	Table C.1	TP/AL-I/OBU/BV/xx
		TP/AL-I/OBU/BI/xx
		Implicit tests:
		TP/AL-T/OBU/BV/xx
		TP/AL-T/OBU/BI/xx
5 Transport Kernel	Table A.1 - Item 2	Explicit tests:
mandatory		TP/AL-T/OBU/BV/xx
		TP/AL-T/OBU/BI/xx
5 Broadcast Kernel	Table A.1 - Item 3	B-Kernel only maintained for
mandatory if I-Kernel is not existent		backwards compatibility with ENV, No
		implementation known. No TPs
		specified
6.1 T-Kernel architectural	None	Not explicitly testable.
requirements		See below for details of services and
 T-K service primitives 		service primitives
6.1 T-Kernel architectural	Table A.8 - all items	See below for details
requirements	Table C.4 - all items	
T-APDUs		
6.1 T-Kernel architectural	Table A.6 - all items	See below for details
requirements		
 T-K protocol 		
6.1 T-Kernel architectural	Table A.6 - Item 1	See below for details
requirements		
 LLC-services to be used 		

8.2.1 GET Service functional description Service used in the following TPs: TP/AL-T/OBUBW/03 TP/AL-T/OBUBW/03 TP/AL-T/OBUBW/03 TP/AL-T/OBUBW/03 TP/AL-T/OBUBW/03 TP/AL-T/OBUBW/05 TP/AL-T/OBUBW/	Base standard clause	PICS referer	nce Test purpose
description TP/AL_T/OBU/BV/01 TP/AL_T/OBU/BV/03 TP/AL_T/OBU/BV/03 TP/AL_T/OBU/BV/03 TP/AL_T/OBU/BV/06 TP/AL_T/OBU/BV/06 TP/AL_T/OBU/BV/06 TP/AL_T/OBU/BV/06 TP/AL_T/OBU/BV/07 TP/AL_T/OBU/BV/14 TP/AL_T/OBU/BV/14 TP/AL_T/OBU/BV/14 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/03 TP/AL_T/OBU/BV/04 TP/AL_T/OBU/BV/05 TP/AL_T/OBU/BV/05 TP/AL_T/OBU/BV/03 TP/AL_T/OBU/BV/05 TP/AL_T/OBU/BV/05 TP/AL_T/OBU/BV/05 TP/AL_T/OBU/BV/05 TP/AL_T/OBU/BV/05 TP/AL_T/OBU/BV/05			
TEPIAL_T/OBU/BV/03 TEPIAL_T/OBU/BV/06 TEPIAL_T/OBU/BV/06 TEPIAL_T/OBU/BV/06 TEPIAL_T/OBU/BV/06 TEPIAL_T/OBU/BV/06 TEPIAL_T/OBU/BV/07 TEPIAL_T/OBU/BV/07 TEPIAL_T/OBU/BV/07 TEPIAL_T/OBU/BV/01 TEPIAL_T/OBU/BV/01 TEPIAL_T/OBU/BV/01 TEPIAL_T/OBU/BV/01 TEPIAL_T/OBU/BV/01 TEPIAL_T/OBU/BV/02 TEPIAL_T/OBU/BV/03 TEPIAL_T/OBU/BV/04 TEPIAL_T/OBU/BV/04 TEPIAL_T/OBU/BV/04 TEPIAL_T/OBU/BV/04 TEPIAL_T/OBU/BV/04 TEPIAL_T/OBU/BV/05 TEPIAL_T/OBU/BV/05 TEPIAL_T/OBU/BV/05 TEPIAL_T/OBU/BV/05 TEPIAL_T/OBU/BV/05 TEPIAL_T/OBU/BV/06 TEPIAL_			
TEPIAL_TROBUJBNOS TEPI	'		
TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/07 TP/AL-T/OBUBW/07 TP/AL-T/OBUBW/13 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/06 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/08 TP/AL-T/OBUBW/09 TP/AL-T/OBUBW/09 TP/AL-T/OBUBW/11 TP/AL-T/OBUBW/13 TP/AL-T/OBUBW/13 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/14 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/16 TP/AL-T/OBUBW/07 TP/AL-T/OBUBW/07 TP/AL-T/OBUBW/07 TP/AL-T/OBUBW/08 TP/AL-T/OBU			TP/AL-T/OBU/BV/04
TP/AL-T/OBU/BW/07 TP/AL-T/OBU/BW/13 TP/AL-T/OBU/BW/14 TP/AL-T/OBU/BW/14 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/06 TP/AL-T/OBU/BW/08 TP/AL-T/OBU/BW/08 TP/AL-T/OBU/BW/02 TP/AL-T/OBU/BW/02 TP/AL-T/OBU/BW/04 TP/AL-T/OBU/BW/04 TP/AL-T/OBU/BW/05 TP/AL-T/OBU/BW/06 TP/A			TP/AL-T/OBU/BV/05
TP/AL-T/OBU/BW/14 TP/AL-T/OBU/BW/14 TP/AL-T/OBU/BW/16 TP/A			TP/AL-T/OBU/BV/06
TP/AL-T/OBU/BW/14 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/10 TP/A			TP/AL-T/OBU/BV/07
TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/17 TP/AL-T/OBU/BW/17 TP/AL-T/OBU/BW/17 TP/AL-T/OBU/BW/17 TP/AL-T/OBU/BW/17 TP/AL-T/OBU/BW/17 TP/AL-T/OBU/BW/17 TP/AL-T/OBU/BW/18 TP/AL-T/OBU/BW/18 TP/AL-T/OBU/BW/18 TP/AL-T/OBU/BW/18 TP/AL-T/OBU/BW/18 TP/AL-T/OBU/BW/18 TP/AL-T/OBU/BW/19 TP/A			TP/AL-T/OBU/BV/13
TP/AL-T/OBU/BI/O3 TP/AL-T/OBU/BI/O3 TP/AL-T/OBU/BI/O3 TP/AL-T/OBU/BI/O3 TP/AL-T/OBU/BI/O3 TP/AL-T/OBU/BI/O3 TP/AL-T/OBU/BI/O4 TP/AL-T/OBU/BI/O4 TP/AL-T/OBU/BI/O4 TP/AL-T/OBU/BI/O4 TP/AL-T/OBU/BI/O4 TP/AL-T/OBU/BI/O4 TP/AL-T/OBU/BI/O5 TP/AL-T/OBU/BI/O5 TP/AL-T/OBU/BI/O5 TP/AL-T/OBU/BI/O7 TP/A			
TP/AL-T/OBU/BI/OS			
TP:/AL-T/OBU/BI/06 Service used in the following TPs: TP:/AL-T/OBU/BI/07 TP:/AL-T/OBU/BI/07 TP:/AL-T/OBU/BI/07 TP:/AL-T/OBU/BI/07 TP:/AL-T/OBU/BI/07 TP:/AL-T/OBU/BI/07 TP:/AL-T/OBU/BI/06 TP:/AL-T/OBU/BI/07 TP:/AL-T/OBU/B			
Service used in the following TPs:			
TP/AL-T/OBU/BV/02 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06 TP/A			
TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06		None	
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TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/06 TP/A			
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TP/AL_T/OBU/BW/07 TP/AL_T/OBU/BW/13 TP/AL_T/OBU/BW/13 TP/AL_T/OBU/BW/14 TP/AL_T/OBU/BW/14 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/10 TP/AL_T/OBU/BW/10 TP/AL_T/OBU/BW/10 TP/AL_T/OBU/BW/10 TP/AL_T/OBU/BW/10 TP/AL_T/OBU/BW/11 TP/AL_T/OBU/BW/12 TP/AL_T/OBU/BW/13 TP/AL_T/OBU/BW/13 TP/AL_T/OBU/BW/14 TP/AL_T/OBU/BW/16 TP/A			
TP/AL_T/OBU/BV/13 TP/AL_T/OBU/BV/14 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/16 TP/AL_T/OBU/BV/18 TP/AL_T/OBU/BV/18 TP/AL_T/OBU/BV/18 TP/AL_T/OBU/BV/19 TP/AL_T/OBU/BV/11 TP/A			
TP/AL_T/OBU/BW/14 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/16 TP/AL_T/OBU/BW/18 TP/AL_T/OBU/BW/18 TP/AL_T/OBU/BW/19 TP/AL_T/OBU/BW/10 TP/AL_T/OBU/BW/11 TP/AL_T/OBU/BW/12 TP/AL_T/OBU/BW/12 TP/AL_T/OBU/BW/13 TP/AL_T/OBU/BW/14 TP/AL_T/OBU/BW/14 TP/AL_T/OBU/BW/16 TP/A			
TP:/AL-T/OBU/BV/01			
TP/AL-T/OBU/BI/01 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/09 TP/AL-T/OBU/BI/09 TP/AL-T/OBU/BI/09 TP/AL-T/OBU/BI/09 TP/AL-T/OBU/BI/01 TP/AL-T/OBU/BI/01 TP/AL-T/OBU/BI/02 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 Service used in the following TPs: TP/AL-T/OBU/BI/01 TP/AL-T/OBU/BI/02 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/07 TP/AL-T/OBU/BI/07 TP/AL-T/OBU/BI/07 TP/AL-T/OBU/BI/07 TP/AL-T/OBU/BI/07 TP/AL-T/OBU/BI/01 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/04 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/07 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/07 TP/AL-T/OBU/BI/06 TP/AL-T/OBU/BI/07 TP/AL-T/OBU/BI/06 TP/AL-T/O			
TP:/AL-T/OBU/BI/03 TP:/AL-T/OBU/BI/06			
TP/AL-T/OBU/BI/06			
6.2.1 ACTION Service functional description Service used in the following TPs: TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/09 TP/AL-T/OBU/BV/09 TP/AL-T/OBU/BV/09 TP/AL-T/OBU/BV/09 TP/AL-T/OBU/BV/11 TP/AL-T/OBU/BV/11 TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/06 Service used in the following TPs: TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/06 TP/AL			
TP/AL-T/OBU/BV/08	0.0440710110		
TP/AL-T/OBU/BV/09 TP/AL-T/OBU/BV/09 TP/AL-T/OBU/BV/10 TP/AL-T/OBU/BV/11 TP/AL-T/OBU/BV/11 TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/13 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/09 TP/A		None	
TP/AL-T/OBU/BV/10 TP/AL-T/OBU/BV/11 TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/13 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/16 Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-T/OBU/BV/10 TP	description		
TP/AL-T/OBU/BV/11 TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/13 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BV/02 TP/AL-T/OBU/BV/02 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/04 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/06 TP/AL-I/OBU/BV/06 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/06 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/06 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/06 TP/AL-I/OBU/BV/06 TP/AL-I/OBU/BV/06 TP/AL-I/OBU/BV/06			
TP/AL-T/OBU/BV/12 TP/AL-T/OBU/BV/13 TP/AL-T/OBU/BV/13 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/06 Service used in the following TPs: TP/AL-I/OBU/BV/16 TP/AL-T/OBU/BV/102 TP/AL-T/OBU/BV/16 Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/16 Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/10 TP/A			
TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/14 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06 Service used in the following TPs: functional description TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/08 TP/AL-T/OBU/BV/09 TP/A			
TP/AL-T/OBU/BW/14 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BW/16 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/06 Service used in the following TPs: TP/AL-T/OBU/BW/02 TP/AL-T/OBU/BW/02 TP/AL-T/OBU/BW/07 TP/AL-T/OBU/BW/07 TP/AL-T/OBU/BW/06 Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BW/03 TP/AL-I/OBU/BW/03 TP/AL-I/OBU/BW/04 TP/AL-I/OBU/BW/05 TP/AL-I/OBU/BW/07 TP/AL-I/OBU/BW/07 TP/AL-I/OBU/BW/07 TP/AL-I/OBU/BW/07 TP/AL-I/OBU/BW/07 TP/AL-I/OBU/BW/07 TP/AL-I/OBU/BW/06 TP/AL-T/OBU/BW/06 TP/AL-T/OBU/BW/06 TP/AL-T/OBU/BW/06 TP/AL-T/OBU/BW/06 TP/AL-T/OBU/BW/06			
6.2.1 EVENT-REPORT Service functional description None Service used in the following TPs: TP/AL-T/OBU/BV/02 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/16 6.2.1 INITIALizaTION Service functional description None Service used in the following TPs: TP/AL-I/OBU/BV/07 TP/AL-T/OBU/BV/16 Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/06 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
6.2.1 EVENT-REPORT Service functional description None Service used in the following TPs: TP/AL-T/OBU/BI/02 TP/AL-T/OBU/BV/02 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/16 6.2.1 INITIALizaTION Service functional description None Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
TP/AL-T/OBU/BI/06			
6.2.1 EVENT-REPORT Service functional description None Service used in the following TPs: TP/AL-I/OBU/BV/02 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/16 Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/08 Reception: TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06			
functional description TP/AL-I/OBU/BV/02 TP/AL-T/OBU/BV/07 TP/AL-T/OBU/BV/16 6.2.1 INITIALizaTION Service functional description None Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BI/01 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/06 TP/AL-T/OBU/BV/06	COAFVENT DEDORT Comice	Name	
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6.2.1 INITIALizaTION Service functional description None Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05	Turictional description		
6.2.1 INITIALizaTION Service functional description None Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			1P/AL-1/OBU/BV/07
6.2.1 INITIALizaTION Service functional description None Service implicitly used in all TPs not related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			TP/AL-T/OBLI/BV/16
functional description related to the B-Kernel. Explicitly used in the following TPs: TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06	6.2.1 INITIAL izaTION Service	None	
in the following TPs:		110110	
TP/AL-I/OBU/BV/01 TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BI/01 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06	Tariotici ai accomption		
TP/AL-I/OBU/BV/03 TP/AL-I/OBU/BV/04 TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BI/01 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			TP/AL-I/OBU/BV/01
TP/AL-I/OBU/BV/04 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BI/07 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
TP/AL-I/OBU/BV/05 TP/AL-I/OBU/BV/07 TP/AL-I/OBU/BI/01 TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
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TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-I/OBU/BI/02 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			TP/AL-I/OBU/BV/07
TP/AL-I/OBU/BI/02 6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			TP/AL-I/OBU/BI/01
6.2.2 GET.request service primitive / PDU Table A.8 - Item 1 Transmission: No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
PDU No TPs specified. Implementations are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06	6.2.2 GET.request service primitive /	Table A.8 - Item 1	
are according to EN 13372 [3]; see below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
below. Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
Reception: TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
TP/AL-T/OBU/BV/01 TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
TP/AL-T/OBU/BV/03 TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
TP/AL-T/OBU/BV/05 TP/AL-T/OBU/BV/06			
TP/AL-T/OBU/BV/06			

Base standard clause	PICS reference	Test purpose
6.2.2 GET.request service primitive /	Table C.4 - A.8 Item 1	Transmission N.A., RSU test
PDU		Reception:
		TP/AL-T/OBU/BV/01
		TP/AL-T/OBU/BV/03
		TP/AL-T/OBU/BV/04
		TP/AL-T/OBU/BV/05
		TP/AL-T/OBU/BV/06
		TP/AL-T/OBU/BV/07
6.2.2 GET.indication service primitive	None	Not directly testable
6.2.2 GET.response service primitive /	Table A.8 - Item 2	Transmission:
PDU	Table C.4 - Item 2	TP/AL-T/OBU/BV/01
		TP/AL-T/OBU/BV/03
		TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05
		TP/AL-T/OBU/BV/06
		TP/AL-T/OBU/BV/07
6.2.2 GET.confirm service primitive	None	Not directly testable
6.2.2 SET.request service primitive /	Table A.8 - Item 3	Transmission:
PDU	Table 71.0 Item 5	No TPs specified. Implementations
		are according to EN 13372 [3]; see
		below.
		Reception
		TP/AL-T/OBU/BV/02
		TP/AL-T/OBU/BV/03
		TP/AL-T/OBU/BV/04
		TP/AL-T/OBU/BV/05
		TP/AL-T/OBU/BV/06
		TP/AL-T/OBU/BV/07
6.2.2 SET.request service primitive /	Table C.4 - A.8 Item 3	Transmission N.A., RSU test
PDU		Reception:
		TP/AL-T/OBU/BV/02
		TP/AL-T/OBU/BV/03
		TP/AL-T/OBU/BV/04 TP/AL-T/OBU/BV/05
		TP/AL-T/OBU/BV/06
		TP/AL-T/OBU/BV/07
6.2.2 SET.indication service primitive	None	Not directly testable
6.2.2 SET.response service primitive /	Table A.8 - Item 4	Transmission:
PDU	Table C.4 - Item 4	TP/AL-T/OBU/BV/02
	Table 61. Helli	TP/AL-T/OBU/BV/03
6.2.2 SET.confirm service primitive	None	Not directly testable
6.2.2 ACTION.request service	Table A.8 - Item 5	Transmission:
primitive / PDU	Table 7 lie illeni e	No TPs specified. Implementations
		are according to EN 13372 [3]; see
		below
		Reception:
		TP/AL-T/OBU/BV/08
		TP/AL-T/OBU/BV/09
		TP/AL-T/OBU/BV/10
		TP/AL-T/OBU/BV/11
		TP/AL-T/OBU/BV/12
6.2.2 ACTION.request service	Table C.4 - A.8 Item 5	Transmission N.A., RSU test
primitive / PDU		Reception:
		TP/AL-T/OBU/BV/08
		TP/AL-T/OBU/BV/09
		TP/AL-T/OBU/BV/10 TP/AL-T/OBU/BV/11
		TP/AL-1/OBU/BV/11 TP/AL-T/OBU/BV/12
6.2.2 ACTION.indication service	None	Not directly testable
primitive	INOTIG	INOT UNECTLY TESTABLE
6.2.2 ACTION.response service	Table A.8 - Item 6	Transmission:
primitive / PDU	Table C.4 - Item 6	TP/AL-T/OBU/BV/08
6.2.2 ACTION.confirm service	None	Not directly testable
primitive	110110	Titot directly testable
Printing	ļ	1

Base standard clause	PICS reference	Test purpose
6.2.2 EVENT-REPORT.request	Table A.8 - Item 7	Transmission:
service primitive / PDU		No TPs specified. Implementations
		are according to EN 13372 [3]; see
		below
		Reception:
6.2.2 EVENT-REPORT.request	Table C.4 - A.8 Item 7	Transmission N.A., RSU test
service primitive / PDU		Reception:
•		TP/AL-T/OBU/BV/07
		TP/AL-I/OBU/BV/02
6.2.2 EVENT-REPORT.indication	None	Not directly testable
service primitive		
6.2.2 EVENT-REPORT.response	Table A.8 - Item 8	No TPs specified., as the only event
service primitive / PDU		RELEASE is using mode=0.
6.2.2 EVENT-REPORT.response	Table C.4 - A.8 Item 8	N.A.
service primitive / PDU	N	N. C. P. C. C. L.
6.2.2 EVENT-REPORT.confirm	None	Not directly testable
service primitive	Table A.8 - Item 9	Transmission N.A. DCII tost
6.2.2 INITIALizaTION.request service primitive / PDU	Table C.4 - A.8 Item 9	Transmission N.A., RSU test Reception:
primitive / PDO	Table C.4 - A.6 item 9	See INITIALizaTION service
6.2.2 INITIALizaTION.indication	None	Not directly testable
service primitive	INOTIG	INOL GITECTLY LESTABLE
6.2.2 INITIALizaTION.response	Table A.8 - Item 10	Transmission:
service primitive / PDU	Table C.4 - Item 10	See INITIALizaTION service
6.2.2 INITIALizaTION.confirm service	None	Not directly testable
primitive	140110	That directly toolable
6.2.3 Handling of Mode parameter	Table A.6 - Item 2	Implicitly tested in all TPs
6.2.3 GET.req for sending	Table A.9	N.A. for EN 13372 [3]
6.2.3 GET.req. fill	Table A.10 - Item 1	No explicit test
6.2.3 GET.req. eid	Table A.10 - Item 2	See Get service
6.2.3 GET.req. accessCredentials	Table A.10 - Item 3	No TPs specified
6.2.3 GET.req. iid	Table A.10 - Item 4	Never used. No TPs specified
6.2.3 GET.req. attrldList	Table A.10 - Item 5	See GET service
6.2.3 GET.rsp. fill	Table A.11 - Item 1	No explicit test
6.2.3 GET.rsp. eid	Table A.11 - Item 2	See GET service
6.2.3 GET.rsp. iid	Table A.11 - Item 3	Never used. No TPs specified
6.2.3 GET.rsp. attributelist	Table A.11 - Item 4	See GET service
6.2.3 GET.rsp. ret	Table A.11 - Item 5	TP/AL-T/OBU/BV/01
		TP/AL-T/OBU/BV/03
		TP/AL-T/OBU/BI/06
6.2.3 GET.rsp for receiving	Table A.12	N.A. for EN 13372 [3]
6.2.3 SET.req for sending	Table A.13	N.A. for EN 13372 [3]
6.2.3 SET.req. fill	Table A.14 - Item 1	No explicit test
6.2.3 SET.req. mode	Table A.14 - Item 2	See SET service
6.2.3 SET.req. eid	Table A.14 - Item 3	See SET service
6.2.3 SET.req. accessCredentials	Table A.14 - Item 4	No TPs specified
6.2.3 SET.req. attributelist	Table A.14 - Item 5	See SET service
6.2.3 SET.req. iid	Table A.14 - Item 6	Never used. No TPs specified
6.2.3 SET.rsp. fill	Table A.15 - Item 1	No explicit test
6.2.3 SET.rsp. eid	Table A.15 - Item 2	See SET service
6.2.3 SET.rsp. iid	Table A.15 - Item 3	Never used. No TPs specified
6.2.3 SET.rsp. ret	Table A.15 - Item 4	TP/AL-T/OBU/BV/02
		TP/AL-T/OBU/BV/03
6.2.2.CFT ron for reaching	Toble A 16	TP/AL-T/OBU/BI/06
6.2.3 SET.rsp for receiving	Table A.17	N.A. for EN 13372 [3]
6.2.3 ACTION req for sending	Table A.19 Itom 1	N.A. for EN 13372 [3]
6.2.3 ACTION req. mode	Table A.18 - Item 1	See ACTION service
6.2.3 ACTION req. edi	Table A.18 - Item 2	See ACTION service
6.2.3 ACTION.req. actionType	Table A.18 - Item 3	See ACTION service
6.2.3 ACTION.req. accessCredentials	Table A.18 - Item 4	No TPs specified
6.2.3 ACTION req. actionParameter	Table A.18 - Item 5	See ACTION service
6.2.3 ACTION req. iid	Table A.18 - Item 6	Never used. No TPs specified
6.2.3 ACTION.rsp. fill	Table A.19 - Item 1	No explicit test
6.2.3 ACTION.rsp. eid	Table A.19 - Item 2	See ACTION service

Base standard clause	PICS reference	Test purpose
6.2.3 ACTION.rsp. iid	Table A.19 - Item 3	Never used. No TPs specified
6.2.3 ACTION.rsp.	Table A.19 - Item 4	See ACTION service
responseParameter	Table 71.10 Item 1	000 / (011014 0014100
6.2.3 ACTION.rsp. ret	Table A.19 - Item 5	TP/AL-T/OBU/BI/06
6.2.3 ACTION.rsp for receiving	Table A.20	N.A. for EN 13372 [3]
6.2.3 EVENT-REPORT.reg for	Table A.21	N.A. for EN 13372 [3]
sending		
6.2.3 EVENT-REPORT.req. mode	Table A.22 - Item 1	See EVENT-REPORT service
6.2.3 EVENT-REPORT.req. eid	Table A.22 - Item 2	See EVENT-REPORT service
6.2.3 EVENT-REPORT.req.	Table A.22 - Item 3	See EVENT-REPORT service
eventType		
6.2.3 EVENT-REPORT.req.	Table A.22 - Item 4	No TPs specified
accessCredentials		
6.2.3 EVENT-REPORT.req.	Table A.22 - Item 5	See EVENT-REPORT service
eventParameter		
6.2.3 EVENT-REPORT.req. iid	Table A.22 - Item 6	Never used. No TPs specified
6.2.3 EVENT-REPORT.rsp. fill	Table A.23 - Item 1	No TPs specified
6.2.3 EVENT-REPORT.rsp. eid	Table A.23 - Item 2	No TPs specified
6.2.3 EVENT-REPORT.rsp. iid	Table A.23 - Item 3	No TPs specified
6.2.3 EVENT-REPORT.rsp.	Table A.23 - Item 4	No TPs specified
responseParameter		
6.2.3 EVENT-REPORT.rsp for	Table A.24	N.A. for EN 13372 [3]
receiving		
6.2.4 Service primitive parameter	None	See above for base standard
description		clause 6.2.3
6.3 Architecture of transfer protocol	None	Nothing testable
6.3.1 SDU to PDU - General	Table A.6 - Item 10	Implicitly tested in all TPs
Procedure	Table A.C. Have 4	
6.3.1 SDU to PDU - FlowControl	Table A.6 - Item 1	
6.3.1 SDU to PDU - Management of mode	Table A.6 - Item 2	
6.3.2 Encoding ASN.1	Table A.6 - Item 3	All TPs where PDUs must be
0.3.2 Efficiently ASIN. I	Table A.0 - Item 3	encoded/decoded (quoted as referring
		to Annex A.2)
6.3.3 Fragmentation architecture	Table A.6 - Item 4	No TPs specified with fragmentation.
ololo i raginomation aronitottaro	Table A.6 - Item 5	Correct generation of a one octet
		fragmentation header implicitly tested
		in all TPs
6.3.3 Fragmentation Maximum length	None	No TPs specified with fragmentation.
of single fragment		Maximum frame length tested in TPs
		for DLL
6.3.3 Fragmentation Length of	None	No TPs specified with fragmentation
subsequent fragments		
6.3.3 Fragmentation ordering of bits	None	No TPs specified with fragmentation
and octets		
6.3.3 Fragmentation Parallel	None	No TPs specified with fragmentation
processing of multiple PDUs	Niero	No TDe an action of the foregon and attended
6.3.3.1 Fragmentation header position	None	No TPs specified with fragmentation.
		Correct generation of a one octet fragmentation header implicitly tested
		in all TPs
6.3.3.2 Fragmentation header	None	No TPs specified with fragmentation.
structure		Correct generation of a one octet
Structuro		fragmentation header implicitly tested
		in all TPs.
6.3.3.3 Fragmentation indicator	None	No TPs specified with fragmentation.
		Correct generation of a one octet
		fragmentation header implicitly tested
		in all TPs
6.3.3.4 PDU number of T-APDU	None	TP/AL-T/OBU/BV/13
6.3.3.4 PDU number of fragments of	None	No TPs specified with fragmentation
the same T-APDU		
6.3.3.4 PDU numbers of B-Kernel	None	Case without fragmentation:
		TP/AL-T/OBU/BI/01
		TP/AL-T/OBU/BI/02

Base standard clause	PICS reference	Test purpose
6.3.3.5 One octet fragmentation	Table A.7 - Item 1	Case without fragmentation, i.e. only
header		one octet fragmentation header, implicitly tested in all TPs
6.3.3.5 Fragmentation with one octet header	Table A.6 - Item 5 Table A.7 - Item 1	
6.3.3.5 Fragmentation Fragment counter	None	No TPs specified with fragmentation
6.3.3.6 Fragmentation with two octet header	Table A.6 - Item 5 Table A.7 - Item 2	
6.3.3.7 Fragmentation with three octet	Table A.6 - Item 5	
header	Table A.7 - Item 3	
6.3.4 Octet alignment with fill bits	Table A.6 - Item 6 Table A.5 - Item 1	Implicitly tested in TPs where ASN.1 elements out of the following list are used: ACTION.response
		EVENT-REPORT.response GET.response SET.response VST
6.3.4 Octet alignment with zero padding	Table A.6 - Item 6	Never applies as octet alignment is implicitly achieved by means of fill bits and proper ASN.1 encoding
6.3.5 Multiplexing	Table A.6 - Item 7	N.A. for OBU.
6.3.6 Flow control	Table A.6 - Item 1	Implicitly tested in all TPs
6.3.7 Concatenation	Table A.6 - Item 8	
6.3.8 Chaining	Table A.6 - Item 9	Receiving: TP/AL-T/OBU/BV/16 TP/AL-T/OBU/BI/06
6.3.9 Demultiplexing	Table A.6 - Item 7	TP/AL-T/OBU/BV/14
6.3.10 Defragmentation Valid behaviour	Table A.6 - Item 5	No TPs specified with fragmentation
6.3.10 Defragmentation One octet header without fragmentation	Table A.7 - Item 1	Implicitly tested in all TPs
6.3.10 Defragmentation Invalid fragmentation header - no fragmentation	Table A.7 - Item 1	TP/AL-T/OBU/BI/02 TP/AL-T/OBU/BI/03 TP/AL-T/OBU/BI/04
6.3.10 Defragmentation in case of concatenation - header handling	Table A.6 - Item 5	Not testable
6.3.11 Decoding	Table A.6 - Item 3	Implicitly tested in all TPs
6.3.11 Decoding trailing bits	Table A.6 - Item 3	Never will apply as octet alignment is implicitly achieved by means of fill bits and proper ASN.1 encoding. Implicitly tested in all TPs
6.3.11 Decoding invalid behaviour	Table A.6 - Item 3	No TPs specified
6.3.12 SDU to PDU - General Procedure (Delivery of SDU to destination)	Table A.6 - Item 11	Implicitly tested in all TPs
6.3.12 PDU to SDU - FlowControl	Table A.6 - Items 1	Implicitly tested in all TPs
6.3.12 PDU to SDU - Management of Mode	Table A.6 - Items 2	Implicitly tested in all TPs
6.3.12 PDU to SDU invalid EID	Table A.6 - Item 11	
6.3.12PDU to SDU info on LID to	None	No TPs specified. Purpose of
management 7.1 I-Kernel architecture	None	requirement unclear Tested in terms of related procedures and PDUs
7.1 Unfragmented BST only	None	Not testable, as reception of a fragmented BST is not prohibited
7.2.1 Service Primitives architecture RegisterApplicationRSU	None	N.A., RSU test
7.2.1 Service Primitives architecture RegisterApplicationOBU	None	Not testable. Only presence of an application can be observed. Implicitly done in all TPs addressing EID different to zero
7.2.1 Service Primitives architecture DeegisterApplication	None	Not testable

Base standard clause	PICS reference	Test purpose
7.2.1 Service Primitives architecture	None	Not testable
NotifyApplicationOBU		
7.2.1 Service Primitives architecture NotifyApplicationRSU	None	N.A., RSU test
7.2.1 Service Primitives architecture EndApplication	None	Not testable
7.2.2 Service Primitives format RegisterApplicationRSU	None	N.A., RSU test
7.2.2 Service Primitives format	None	Not testable
RegisterApplicationOBU 7.2.2 Service Primitives format	None	Not testable
DeregisterApplication 7.2.2 Service Primitives format	None	N.A., RSU test
NotifyApplicationRSU 7.2.2 Service Primitives format	None	Not testable
NotifyApplicationOBU 7.2.2 Service Primitives format	None	Not testable
EndApplication		
7.2.3 Service Primitives parameters AID	None	Not explicitly testable
7.2.3 Service Primitives parameters MandatoryApplication	None	Not explicitly testable
7.2.3 Service Primitives parameters Priority	None	Not explicitly testable
7.2.3 Service Primitives parameters	None	Not explicitly testable
7.2.3 Service Primitives parameters Profiles	None	Not explicitly testable
7.2.3 Service Primitives parameters Parameter	None	Not explicitly testable
7.2.3 Service Primitives parameters	None	Not explicitly testable
ObeConfiguration 7.2.3 Service Primitives parameters	None	Not explicitly testable
7.2.3 Service Primitives parameters	None	Not explicitly testable
RSU 7.2.4 Location of services	None	Not testable
7.3.1 Transmission of BST	None	N.A., RSU test
7.3.2 OBU BST PDU	Table A.3 - Item 1	TP/AL-I/OBU/BV/01
7.3.2 OBU VST PDU 7.3.2 OBU handling of BST/VST.	Table A.3 - Item 2 Table A.2 - Item 1	TP/AL-I/OBU/BV/01
Generation of random private LID	Table A.2 - Item 1	
7.3.2 OBU generation of VST	Table A.2 - Item 2	TP/AL-I/OBU/BV/01
7.3.2 OBU handling of BST/VST.	Table A.2 - Item 3	TP/AL-I/OBU/BV/03
BeaconID	Table A.4 - Item 1	
7.3.2 OBU handling of BST/VST. Time	Table A.2 - Item 4	TP/AL-I/OBU/BV/04
or BST reception	Table A.4 - Item 2	
7.3.2 OBU handling of BST/VST.	Table A.4 - Item 5	No TPs specified as N.A. for profile
Mandatory applications	Table A.4 - Item 6	standard [3]
7.3.2 OBU handling of BST/VST.	Table A.2 - Item 6	TP/AL-I/OBU/BV/07
Mandatory applications	Table A.4 - Item 4	TP/AL-I/OBU/BI/02
	Table C.2 - A.4 Item 5	
	Table C.2 - A.4 Item 6	
	Table A.5 - Item 3	
	Table C.3 - A.5 Item 4	
	Table C.3 - A.5 Item 5	
7.3.2 OBU handling of BST/VST.	Table A.2 - Item 6	TP/AL-I/OBU/BV/07
Non-mandatory applications	Table A.4 - Item 7	TP/AL-I/OBU/BI/01
	Table A.4 - Item 8	
	Table A.4 - Item 9	
	Table A.5 - Item 3	
	Table A.5 - Item 4	
	Table A.5 - Item 5	

Base standard clause	PICS reference	Test purpose
7.3.2 OBU handling of BST/VST.	Table A.2 - Item 6	TP/AL-I/OBU/BI/02
Non-mandatory applications	Table A.4 - Item 7	
,	Table C.2 - A.4 Item 8	
	Table C.2 - A.4 Item 9	
	Table A.5 - Item 3	
	Table C.3 - A.5 Item 4	
	Table C.3 - A.5 Item 5	
7.3.2 OBU handling of BST/VST	Table A.4 - Item 3	TP/AL-I/OBU/BV/05
profile	Table A.5 - Item 2	
		TP/AL-I/OBU/BI/01
7.3.2 OBU handling of BST/VST	Table A.4 - Item 10	TP/AL-I/OBU/BV/05
profileList	Table A.5 - Item 2	
7.3.2 OBU handling of BST/VST.	Table A.5 - Item 6	Observation of proper
obeConfiguration		obeConfiguration would be possible
7.3.3 RSU handling of VST	None	N.A., RSU test
7.3.4 Register application at RSU	None	N.A., RSU test
7.3.5 Register application at OBU	None	Not testable
7.3.6 Deregister application at OBU	None	Not testable4
7.3.7 Deregister application at RSU	None	N.A., RSU test
7.3.8 Release application at RSU	None	N.A., RSU test
7.3.9 OBU handling of Release	Table A.2 - Item 5	TP/AL-T/OBU/BV/07
7.5.9 Obo Hariding of Release	Table A.3 - Item 3	TP/AL-1/OBU/BV/02
8.1 B-Kernel architecture	None	No tests for B-Kernel available
8.2.1 Service primitives architecture	Table A.26 - Item 1	No tests for B-Kernel available
	Table A.26 - Item 1	No tests for B-Kernel available
8.2.2 Service primitives format		
8.2.3 Service primitives parameters	None	No tests for B-Kernel available
8.2.4 Service primitives location	None	No tests for B-Kernel available
8.3.1 RSU transmission of broadcast pool	None	N.A., RSU test
8.3.2 OBU reception of broadcast pool	Table A.25 - Item 1	No tests for B-Kernel available
8.3.3 Provision of Broadcast data at RSU	N.A.	N.A., RSU test
8.3.4 Retrieval of broadcast file at OBU	Table A.25 - Item 2	No tests for B-Kernel available
A.1 ASN.1 module usage	None	Advice on usage of modules can not be used, as module definition in A.2 is erroneous
A.2 ASN.1 module specification	Table A.3, A.4, A.5, A.8 to A.24, A.26, A.27, A.28	Implicitly tested in all TPs: TP/AL-T/OBU/BV/xx
	Table C.5, C.6	TP/AL-T/OBU/BI/xx
	Table 0.5, 0.0	TP/AL-I/OBU/BV/xx
		TP/AL-I/OBU/BI/xx
P. 2 Naming and registration	None	
B.2 Naming and registration	None	To be tested in a specific installation
C Informative annex	None	not testable
D Informative annex	None	not testable

A.3 RSE test coverage matrix

Base starndard clause	PICS reference	Test purpose
1 Scope	None	Nothing to be tested
2 Normative References	None	Nothing to be tested
3 Terms and Definitions	None	Nothing to be tested
4 Abbreviations	None	Nothing to be tested
5 Initialization Kernel mandatory, if	Table B.1 - Item 1	Implicitly tested in all TPs for
B-Kernel is not existent.		T-Kernel.
		Explicit tests:
		TP/AL-I/RSU/BV/xx
		TP/AL-I/RSU/BI/xx
5 Transport Kernel mandatory	Table B.1 - Item 2	TP/AL-T/RSU/BV/01
		TP/AL-T/RSU/BI/01
		TP/AL-T/RSU/BI/02
		TP/AL-T/RSU/BI/03

Base starndard clause	PICS reference	Test purpose
5 Broadcast Kernel mandatory if	Table B.1 - Item 3	So far no TPs are available to test the
I-Kernel is not existent		B-Kernel
6.1 T-Kernel architectural	None	Not explicitly testable.
requirements • T-K service primitives		See below for details of services and service primitives
6.1 T-Kernel architectural	Table B.8 - all items	See below for details
requirements	Table D.4 - all items	eee solow for detaile
T-APDUs		
6.1 T-Kernel architectural	Table B.6 - all items	See below for details
requirements		
T-K protocol 6.1 T-Kernel architectural	Table B.6 - Item 1	See below for details
requirements	Table B.0 - Item 1	See below for details
LLC-services to be used		
6.2.1 GET Service functional	None	Service used in:
description		TP/AL-T/RSU/BI/02
0.04.057.0	N	TP/AL-T/RSU/BI/03
6.2.1 SET Service functional description	None	Service used in: TP/AL-T/RSU/BI/02
description		TP/AL-T/RSU/BI/03
6.2.1 ACTION Service functional	None	Service used in:
description		TP/AL-T/RSU/BI/02
		TP/AL-T/RSU/BI/03
6.2.1 EVENT-REPORT Service	None	Service used in:
functional description		TP/AL-T/RSU/BI/01 TP/AL-T/RSU/BI/02
		TP/AL-T/RSU/BI/03
6.2.1 INITIALizaTION Service	None	Service implicitly used in all TPs not
functional description		related to the B-Kernel. Explicitly used
		in the following TPs:
		TP/AL-I/RSU/BV/xx
6.2.2 GET.request service primitive	Table B.8 - Item 1	TP/AL-I/RSU/BI/xx No TPs specified. so far
0.2.2 GET. request service primitive	Table D.4 - B.8 Item 1	No 175 specified. So fai
6.2.2 GET.indication service primitive	None	Not directly testable
6.2.2 GET.response service primitive	Table B.8 - Item 2	Transmission:
		No TPs specified.
		Reception:
6.2.2 GET.response service primitive	Table D.4 - B.8 Item 2	No TPs specified. so far Transmission N.A., OBU test
6.2.2 GET.:esponse service primitive	None	Not directly testable
6.2.2 SET.request service primitive	Table B.8 - Item 3	No TPs specified, so far
' '	Table D.4 - B.8 Item 3	·
6.2.2 SET.indication service primitive	None	Not directly testable
6.2.2 SET.response service primitive	Table B.8 - Item 4	Transmission:
		No TPs specified. Reception:
		No TPs specified. so far
6.2.2 SET.response service primitive	Table D.4 - B.8 Item 4	Transmission N.A., OBU test
6.2.2 SET.confirm service primitive	None	Not directly testable
6.2.2 ACTION.request service	Table B.8 - Item 5	No TPs specified. so far
primitive	Table D.4 - B.8 Item 5	
6.2.2 ACTION.indication service	None	Not directly testable
primitive 6.2.2 ACTION.response service	Table B.8 - Item 6	Transmission:
primitive	Table B.0 - Itelli 0	No TPs specified.
F		Reception:
		No TPs specified. so far
6.2.2 ACTION.response service	Table D.4 - B.8 Item 6	Transmission N.A., OBU test
primitive		
6.2.2 ACTION.confirm service primitive	None	Not directly testable
6.2.2 EVENT-REPORT.request	Table B.8 - Item 7	No TPs specified
service primitive	Table D.4 - B.8 Item 7	

Base starndard clause	PICS reference	Test purpose
6.2.2 EVENT-REPORT.indication	None	Not directly testable
service primitive	The first of the f	The directly toolable
6.2.2 EVENT-REPORT.response	Table B.8 - Item 8	No TPs specified
service primitive		·
6.2.2 EVENT-REPORT.response	Table D.4 - B.8 Item 8	N.A.
service primitive		
6.2.2 EVENT-REPORT.confirm	None	Not directly testable
service primitive		
6.2.2 INITIALizaTION.request service	Table B.8 - Item 9	See INITIALizaTION service
primitive 6.2.2 INITIALizaTION.indication	Table D.4 - B.8 Item 9	Not divestly to stale le
service primitive	None	Not directly testable
6.2.2 INITIALizaTION.response	Table B.8 - Item 10	Transmission N.A., OBU test
service primitive	Table D.4 - B.8 Item 10	Reception:
Control primitive	Table 211 210 Helli 10	See INITIALizaTION service
6.2.2 INITIALizaTION.confirm service	None	Not directly testable
primitive		•
6.2.3 GET.req. fill	Table B.9 - Item 1	No explicit test
6.2.3 GET.req. eid	Table B.9 - Item 2	See GET service
6.2.3 GET.req. accessCredentials	Table B.9 - Item 3	No TPs specified
6.2.3 GET.req. iid	Table B.9 - Item 4	Never used. No TPs specified
6.2.3 GET.req. attrldList	Table B.9 - Item 5	See GET service
6.2.3 GET.req. receiving	Table B.10	N.A. for EN 13372 [3]
6.2.3 GET.rsp. transmitting	Table B.11	N.A. for EN 13372 [3]
6.2.3 GET.rsp. fill	Table B.12 - Item 1	No explicit test
6.2.3 GET.rsp. eid	Table B.12 - Item 2	See GET service
6.2.3 GET.rsp. iid	Table B.12 - Item 3	Never used. No TPs specified
6.2.3 GET.rsp. attributelist	Table B.12 - Item 4	See GET service
6.2.3 GET.rsp. ret	Table B.12 - Item 5	Handling of return value not defined,
6.2.3 SET.req. fill	Table B.13 - Item 1	thus not testable No explicit test
6.2.3 SET.req. mil	Table B.13 - Item 2	See SET service
6.2.3 SET.req. mode	Table B.13 - Item 3	See SET service
6.2.3 SET.req. accessCredentials	Table B.13 - Item 4	No TPs specified
6.2.3 SET.req. attributelist	Table B.13 - Item 5	See SET service
6.2.3 SET.req. iid	Table B.13 - Item 6	Never used. No TPs specified
6.2.3 SET.req. receiving	Table B.14	N.A. for EN 13372 [3]
6.2.3 SET.rsp. transmitting	Table B.15	N.A. for EN 13372 [3]
6.2.3 SET.rsp. fill	Table B.16 - Item 1	No explicit test
6.2.3 SET.rsp. eid	Table B.16 - Item 2	See SET service
6.2.3 SET.rsp. iid	Table B.16 - Item 3	Never used. No TPs specified
6.2.3 SET.rsp. ret	Table B.16 - Item 4	Handling of return value not defined,
		thus not testable
6.2.3 ACTION.req. mode	Table B.17 - Item 1	See ACTION service
6.2.3 ACTION.req. eid	Table B.17 - Item 2	See ACTION service
6.2.3 ACTION.req. actionType	Table B.17 - Item 3	See ACTION service
6.2.3 ACTION.req. accessCredentials	Table B.17 - Item 4	No TPs specified
6.2.3 ACTION.req. actionParameter	Table B.17 - Item 5	See ACTION service
6.2.3 ACTION req. iid	Table B.17 - Item 6	Never used. No TPs specified
6.2.3 ACTION.req. receiving 6.2.3 ACTION.rsp. transmitting	Table B.18	N.A. for EN 13372 [3]
6.2.3 ACTION.rsp. transmitting	Table B.19 Table B.20 - Item 1	N.A. for EN 13372 [3] No explicit test
6.2.3 ACTION.rsp. iiii	Table B.20 - Item 2	See ACTION service
6.2.3 ACTION.rsp. eid	Table B.20 - Item 3	Never used. No TPs specified
6.2.3 ACTION.rsp.	Table B.20 - Item 4	See ACTION service
responseParameter		237,6110113011100
6.2.3 ACTION.rsp. ret	Table B.20 - Item 5	Handling of return value not defined,
1		thus not testable
6.2.3 EVENT-REPORT.req. mode	Table B.21 - Item 1	See EVENT-REPORT service
6.2.3 EVENT-REPORT.req. eid	Table B.21 - Item 2	See EVENT-REPORT service
6.2.3 EVENT-REPORT.req.	Table B.21 - Item 3	See EVENT-REPORT service
eventType		
6.2.3 EVENT-REPORT.req.	Table B.21 - Item 4	No TPs specified
accessCredentials		

Base starndard clause	PICS reference	Test purpose
6.2.3 EVENT-REPORT.reg.	Table B.21 - Item 5	See EVENT-REPORT service
eventParameter		
6.2.3 EVENT-REPORT.req. iid	Table B.21 - Item 6	Never used. No TPs specified
6.2.3 EVENT-REPORT.req. receiving	Table B.22	N.A. for EN 13372 [3]
6.2.3 EVENT-REPORT.rsp.	Table B.23	N.A. for EN 13372 [3]
transmitting		
6.2.3 EVENT-REPORT.rsp. fill	Table B.24 - Item 1	No TPs specified
6.2.3 EVENT-REPORT.rsp. eid	Table B.24 - Item 2	No TPs specified
6.2.3 EVENT REPORT rep	Table B.24 - Item 3 Table B.24 - Item 4	No TPs specified
6.2.3 EVENT-REPORT.rsp. responseParameter	Table B.24 - Item 4	No TPs specified
6.2.4 Service primitive parameter	None	See above for base standard
description	None	clause 6.2.3
6.3 Architecture of transfer protocol	None	Nothing testable
6.3.12 SDU to PDU - General	Table B.6 - Item 10	Implicitly tested in all TPs
Procedure		
6.3.1 SDU to PDU - FlowControl	Table B.6 - Item 1	Implicitly tested in all TPs
6.3.1 SDU to PDU - Management of	Table B.6 - Item 2	Implicitly tested in all TPs
mode		
6.3.2 Encoding ASN.1	Table B.6 - Item 3	All TPs where PDUs must be
		encoded/decoded (quoted as referring
		to clause A.2)
6.3.3 Fragmentation architecture	Table B.6 - Item 4	No TPs specified with fragmentation.
	Table B.6 - Item 5	Correct generation of a one octet
		fragmentation header implicitly tested in all TPs
6.3.3 Fragmentation Maximum length	None	No TPs specified with fragmentation.
of single fragment	Notic	Maximum frame length tested in TPs
or oringio maginioni		for DLL
6.3.3 Fragmentation Length of	None	No TPs specified with fragmentation
subsequent fragments		i i
6.3.3 Fragmentation ordering of bits	None	No TPs specified with fragmentation
and octets		
6.3.3 Fragmentation Parallel	None	No TPs specified with fragmentation
processing of multiple PDUs 6.3.3.1 Fragmentation header position	None	No TDe an action with the appearant of the
6.3.3.1 Fragmentation header position	None	No TPs specified with fragmentation with fragmentation. Correct generation
		of a one octet fragmentation header
		implicitly tested in all TPs
6.3.3.2 Fragmentation header	None	No TPs specified with fragmentation.
structure		Correct generation of a one octet
		fragmentation header implicitly tested
		in all TPs
6.3.3.3 Fragmentation indicator	None	No TPs specified with fragmentation.
		Correct generation of a one octet
		fragmentation header implicitly tested in all TPs
6.3.3.4 PDU number of T-APDU	None	TP/AL-T/RSU/BV/01
6.3.3.4 PDU number of fragments of	None	No TPs specified with fragmentation
the same T-APDU	HOHE	110 11 3 Specified with fragmentation
6.3.3.4 PDU numbers of B-Kernel	None	TP/AL-T/RSU/BI/01
		TP/AL-T/RSU/BI/02
6.3.3.5 One octet fragmentation	Table B.7 - Item 1	Case without fragmentation, i.e. only
header		one octet fragmentation header,
		implicitly tested in all TPs
6.3.3.5 Fragmentation with one octet	Table B.6 - Item 5	
header	Table B.7 - Item 1	
6.3.3.5 Fragmentation Fragment	None	No TPs specified. Correct generation
counter		of a one octet fragmentation header
6.3.3.6 Fragmentation with two octet	Table B.6 - Item 5	implicitly tested in all TPs
header	Table B.7 - Item 2	
6.3.3.7 Fragmentation with three octet	Table B.6 - Item 5	
header	Table B.7 - Item 3	
H		-

Base starndard clause	PICS reference	Test purpose
6.3.4 Octet alignment with fill bits	Table B.6 - Item 6	Implicitly tested in TPs where ASN.1
The state and the state of the	Table B.5 - Item 1	elements out of the following list are
	144.6 2.6 1.6	used:
		GET.request
		SET.request
6.3.4 Octet alignment with zero	Table B.6 - Item 6	Never applies as octet alignment is
padding	144.6 2.6 1.6.11 6	implicitly achieved by means of fill bits
padanig		and proper ASN.1 encoding
6.3.5 Multiplexing	Table B.6 - Item 7	No TPs specified
6.3.6 Flow control	Table B.6 - Item 1	Implicitly tested in all TPs
6.3.7 Concatenation	Table B.6 - Item 8	No TPs specified
	Table B.6 - Item 9	No TPs specified
6.3.8 Chaining		
6.3.9 Demultiplexing	Table B.6 - Item 7	No TPs specified
6.3.10 Defragmentation Valid behaviour	Table B.6 - Item 5	No TPs specified with fragmentation
6.3.10 Defragmentation One octet header without fragmentation	Table B.7 - Item 1	Implicitly tested in all TPs
6.3.10 Defragmentation Invalid	Table B.7 - Item 1	No TPs specified
fragmentation header - no	. asio sir itom i	o opeomod
fragmentation		
6.3.10 Defragmentation in case of	Table B.6 - Item 5	Not testable
concatenation - header handling	Table B.0 Rolli 0	Tot tostable
6.3.11 Decoding	Table B.6 - Item 3	Implicitly tested in all TPs
6.3.11 Decoding frailing bits	Table B.6 - Item 3	Never will apply as octet alignment is
0.5.11 Decounty training bits	Table D.0 - Itelli 3	implicitly achieved by means of fill bits
		and proper ASN.1 encoding. Implicitly
0.0.44 De se disentire reliable de se de con	T-bl- D O H O	tested in all TPs
6.3.11 Decoding invalid behaviour	Table B.6 - Item 3	No TPs specified
6.3.12 PDU to SDU - General	Table B.6 - Item 11	Implicitly tested in all TPs
Procedure (Delivery of SDU to		
destination)		
6.3.12 PDU to SDU - Flowcontrol	Table B.6 - Item 1	Implicitly tested in all TPs
6.3.12 PDU to SDU - Management of Mode	Table B.6 - Item 2	Implicitly tested in all TPs
6.3.12 PDU to SDU - General	Table B.6 - Item 11	Implicitly tested in all TPs
Procedure		
6.3.12 PDU to SDU invalid EID	Table B.6 - Item 12	
6.3.12PDU to SDU info on LID to	None	No TPs specified. Purpose of
management		requirement unclear
7.1 I-Kernel architecture	None	Tested in terms of related procedures and PDUs
7.1 Unfragmented BST only	None	Not testable
7.2.1 Service Primitives architecture	None	Not testable. Only presence of an
RegisterApplicationRSU		application can be observed in the
7.0.4 Comples Dubertitions 1.11	Nege	BST N.A. OBULtost
7.2.1 Service Primitives architecture RegisterApplicationOBU	None	N.A., OBU test
7.2.1 Service Primitives architecture	None	Not testable
DeegisterApplication		
7.2.1 Service Primitives architecture	None	N.A., OBU test
NotifyApplicationOBU		
7.2.1 Service Primitives architecture	None	Not directly testable. Implicitly tested
NotifyApplicationRSU		in every TP with application request to
, · · ·		private LID
7.2.1 Service Primitives architecture EndApplication	None	Not testable
7.2.2 Service Primitives format	None	Not testable
	INOTIC	INOT TESTABLE
RegisterApplicationRSU	None	N.A. ODII toot
7.2.2 Service Primitives format	None	N.A., OBU test
RegisterApplicationOBU	Niero	No. 4 and a late
7.2.2 Service Primitives format	None	Not testable
DeregisterApplication		1
7.2.2 Service Primitives format	None	Not testable
NotifyApplicationRSU	140110	Not toolable

Base starndard clause	PICS reference	Test purpose
7.2.2 Service Primitives format	None	N.A., OBU test
NotifyApplicationOBU		
7.2.2 Service Primitives format	None	Not testable
EndApplication	None	Not explicitly testable
7.2.3 Service Primitives parameters AID	None	Not explicitly testable
7.2.3 Service Primitives parameters	None	Not explicitly testable
MandatoryApplication		
7.2.3 Service Primitives parameters	None	Not explicitly testable
Priority 7.2.3 Service Primitives parameters	None	Not explicitly testable
EID	Notice	Not explicitly testable
7.2.3 Service Primitives parameters	None	Not explicitly testable
Profiles		
7.2.3 Service Primitives parameters	None	Not explicitly testable
Parameter	None	Not evelicitly to stable
7.2.3 Service Primitives parameters ObeConfiguration	None	Not explicitly testable
7.2.3 Service Primitives parameters	None	Not explicitly testable
LID		
7.2.3 Service Primitives parameters	None	Not explicitly testable
RSU	N.	N. cc. cll
7.2.4 Location of services 7.3.1 Transmission of BST	None Table B.2 - Item 1	Not testable
Mandatory applications	Table B.3 - Item 1	No TPs specified
wandatory applications	Table B.4 - Item 1	
	Table B.4 - Item 2	
	Table B.4 - Item 3	
	Table B.4 - Item 4	
	Table B.4 - Item 5	
	Table B.4 - Item 6	
	Table B.4 - Item 7	
	Table B.4 - Item 10	
7.3.1 Transmission of BST	Table B.2 - Item 1	No TPs specified for transmission.
Mandatory applications	Table B.3 - Item 1	See tests below for RSU handling of
	Table B.4 - Item 1	VST after reception of BST
	Table B.4 - Item 2	
	Table B.4 - Item 3	
	Table B.4 - Item 4	
	Table D.2 - B.4 Item 5	
	Table D.2 - B.4 Item 6	
	Table B.4 - Item 7	
7.3.1 Transmission of BST	Table B.4 - Item 10	No TDo appoiling
	Table B.2 - Item 1	No TPs specified
Non-mandatory applications	Table B.3 - Item 1 Table B.4 - Item 1	
	Table B.4 - Item 1	
	Table B.4 - Item 3	
	Table B.4 - Item 4	
	Table B.4 - Item 7	
	Table B.4 - Item 8	
	Table D.2 - B.4 Item 8	
	Table B.4 - Item 9	
	Table D.2 - B.4 Item 9	
	Table B.4 - Item 10	
7.3.2 BST/VST handling	None	N.A., OBU test
7.3.3 RSU handling of VST	Table B.2 - Item 2	TP/AL-I/RSU/BV/01
Profile	Table B.3 - Item 2	TP/AL-I/RSU/BI/03
	Table B.5 - Item 2	
7.3.3 RSU handling of VST	Table B.2 - Item 2	TP/AL-I/RSU/BV/02
applications.aid	Table B.3 - Item 2	TP/AL-I/RSU/BI/01
7.0.0 POLIT. III. (1):0-	Table B.5 - Item 3	TP/AL-I/RSU/BI/04
7.3.3 RSU handling of VST	Table B.2 - Item 2	TP/AL-I/RSU/BV/03
applications.eid	Table B.3 - Item 2	TP/AL-I/RSU/BV/04
	Table B.5 - Item 4	TP/AL-I/RSU/BI/02
	Table D.3 - B.5 Item 4	

Base starndard clause	PICS reference	Test purpose
7.3.3 RSU handling of VST	Table B.2 - Item 2	TP/AL-I/RSU/BV/04
applications.parameter	Table B.3 - Item 2	
	Table B.5 - Item 5	
	Table D.3 - B.5 Item 5	
7.3.3 RSU handling of multiple	Table B.2 - Item 2	TP/AL-I/RSU/BV/04
applications in received VST	Table B.2 - Item 4	
7.3.3 RSU handling of VST	Table B.3 - Item 2	No TPs specified
obeConfiguration	Table B.5 - Item 6	Could be tested in a specific
		application context
7.3.4 Register application at RSU	None	Not testable
7.3.5 Register application at OBU	None	N.A., OBU test
7.3.6 Deregister application at OBU	None	N.A., OBU test
7.3.7 Deregister application at RSU	None	Not testable
7.3.8 Release application at RSU	Table B.2 - Item 3	Only observable
	Table B.3 - Item 3	
7.3.9 OBU handling of Release		N.A., OBU test
8.1 B-Kernel architecture	None	No tests for B-Kernel available
8.2.1 Service primitives architecture	Table B.26 - Item 1	No tests for B-Kernel available
8.2.2 Service primitives format	Table B.26 - Item 1	No tests for B-Kernel available
8.2.3 Service primitives parameters	None	No tests for B-Kernel available
8.2.4 Service primitives location	None	No tests for B-Kernel available
8.3.1 RSU transmission of broadcast	Table B.25 - Item 1	No tests for B-Kernel available
pool		
8.3.2 OBU reception of broadcast pool	None	N.A., OBU test
8.3.3 Provision of Broadcast data at RSU	Table B.25 - Item 2	No tests for B-Kernel available
8.3.4 Retrieval of broadcast file at OBU	None	N.A., OBU test
A.1 ASN.1 module usage	None	Advice on usage of modules can not
		be used, as module definition in A.2 is
		erroneous.
A.2 ASN.1 module specification	Table B.3, B.4, B.5, B.8 to B.24, B.26,	Implicitly tested in all TPs:
	B.27, B.28	TP/AL-I/RSU/BV/xx
	Table D.5, D.6	TP/AL-I/RSU/BI/xx
		TP/AL-T/RSU/BV/xx
		TP/AL-T/RSU/BI/xx
B.2 Naming and registration	None	To be tested in a specific installation
C Informative annex	None	not testable
D Informative annex	None	not testable
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History

Document history		
V1.1.1	August 2006	Publication
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