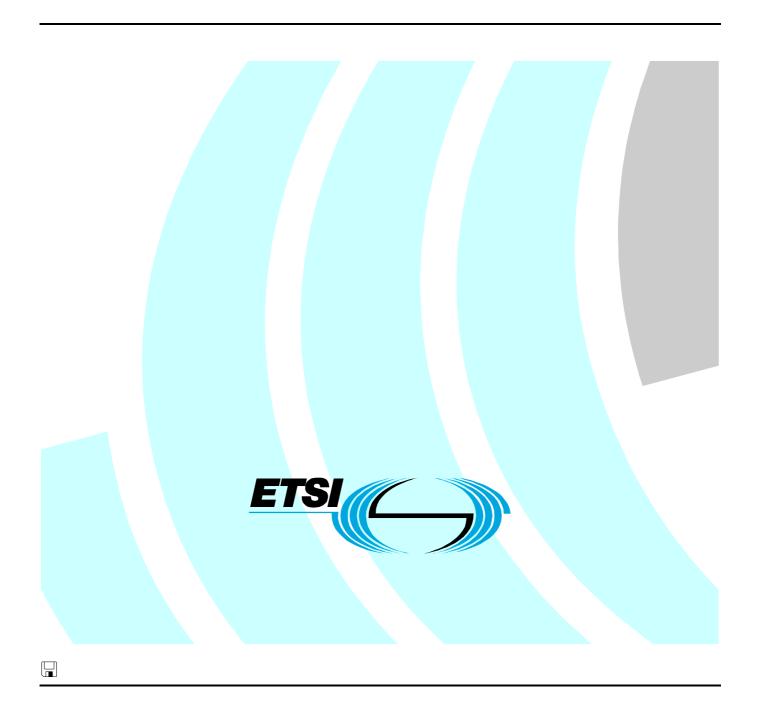
ETSITS 101 823-4-3 V1.2.1 (2003-07)

Technical Specification

Broadband Radio Access Networks (BRAN);
HIPERLAN Type 2;
Conformance testing for the Data Link Control (DLC) layer;
Part 4: Extension for Home Environment;

Sub-part 3: Abstract Test Suite (ATS) specification



Reference

RTS/BRAN-002T0A4-4-3

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Foreword

This Technical Specification (TS) has been produced by ETSI Project Broadband Radio Access Networks (BRAN).

The present document is part 4, sub-part 3 of a multi-part deliverable. Full details of the entire series can be found in part 1, sub-part 1 [14].

1 Scope

The present document contains the Abstract Test Suite (ATS) to test the BRAN HIPERLAN type 2; Data Link Control (DLC) layer; Extension for Home Environment.

The objective of the present document is to provide a basis for conformance tests for BRAN H/2 equipment giving a high probability of air interface inter-operability between different manufacturers.

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.

Annex A provides the Tree and Tabular Combined Notation (TTCN) part of the ATS.

Annex B provides the Partial Protocol Implementation Extra Information for Testing (PIXIT) proforma of the MT side ATS.

Annex C provides the Partial Protocol Implementation Extra Information for Testing (PIXIT) proforma of the AP side ATS.

Annex D provides the Protocol Conformance Test Report (PCTR) proforma of the MT side ATS.

Annex E provides the Protocol Conformance Test Report (PCTR) proforma of the AP side ATS.

2 References

[7]

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- 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.
- For a non-specific reference, the latest version applies.

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

| [1] | ETSI TS 101 761-2 (V1.3.1): "Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) layer; Part 2: Radio Link Control (RLC) Sublayer". |
|-----|---|
| [2] | ETSI TS 101 761-4 (V1.3.2): "Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) layer; Part 4: Extension for Home Environment". |
| [3] | ETSI TS 101 823-2-3 (V1.3.1): "Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 2: Radio Link Control (RLC) sublayer; Sub-part 3: Abstract Test Suite (ATS) specification". |
| [4] | ETSI ETS 300 406: "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology". |
| [5] | ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts". |
| [6] | ISO/IEC 9646-2: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification". |
| | |

methodology and framework - Part 3: The tree and tabular combined notation".

ISO/IEC 9646-3: "Information technology - Open Systems Interconnection - Conformance testing

| [8] | ISO/IEC 9646-5: "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 5: Requirements on test laboratories and clients for the Conformance Assessment process". |
|------|--|
| [9] | ISO/IEC 9646-6: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol profile test specification". |
| [10] | ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation conformance statement". |
| [11] | ETSI TS 101 823-1-1 (V1.3.1): "Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 1: Basic data transport functions; Sub-part 1: Protocol Implementation Conformance Statement (PICS) proforma". |

3 Definitions and abbreviations

3.1 **Definitions**

For the purposes of the present document, the terms and definitions given in ISO/IEC 9646-7 [10], TS 101 761-2 [1] and TS 101 761-4 [2] apply.

Abbreviations 3.2

For the purposes of the present document, the abbreviations given in ISO/IEC 9646-1 [5], ISO/IEC 9646-6 [9], ISO/IEC 9646-7 [10], TS 101 761-2 [1], TS 101 761-4 [2] and the following apply:

| ACH | Access feedback CHannel |
|-----|-----------------------------|
| AP | Access Point |
| APT | Access Point Transceiver |
| ARQ | Automatic Repeat Request |
| ASP | Abstract Service Primitive |
| ATS | Abstract Test Suite |
| BCH | Broadcast CHannel |
| BI | Invalid Behaviour |
| BO | Inopportune Behaviour |
| BV | Valid Behaviour |
| CA | Capability tests |
| CC | Central Controller |
| CL | Convergence Layer |
| DFS | Dynamic Frequency Selection |
| DLC | Data Link Control |
| DM | Direct Mode |
| DUC | DLC User Connection |
| IUT | Implementation Under Test |
| LCH | Long CHannel |
| LT | Lower Tester |
| MAC | Medium Access Control |
| | |

MAC-ID **MAC IDentifier**

MT Mobile Terminal

PCO Point of Control and Observation **PCTR** Protocol Conformance Test Report

PDU Protocol Data Unit Physical layer PHY

Protocol Implementation Conformance Statement **PICS PIXIT** Protocol Implementation EXtra Information for Testing

RLC Radio Link Control RSS Received Signal Strength Service Access Point SAP **SCH** Short CHannel

TP Test Purposes
TSS Test Suite Structure

TTCN Tree and Tabular Combined Notation

UT upper tester

4 Abstract Test Method (ATM)

This clause describes the ATM used to test the HIPERLAN 2 Data Link Control (DLC) Protocol - Extension for Home Environment at the AP side and at the MT side.

4.1 Test architecture

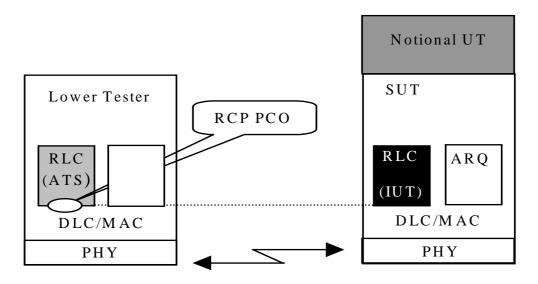


Figure 1: Test architecture for DLC Extension for Home Environment

A single-party testing concept is used, which consists of the following abstract testing functions:

Lower Tester A Lower Tester (LT) is located in the remote BRAN H/2 test system. It controls and observes the

behaviour of the IUT.

RLC ATS: A RLC Abstract Test Suite (ATS) is located in the remote BRAN H/2 test system.

RCP PCO: the Point of Control and Observation (PCO) for RLC testing is located at a SAP between the RLC

layer and the MAC layer. All test events at the PCO are specified in terms of Abstract testing Service Primitives (ATSP defined in clause 7) containing complete PDU. To avoid the complexity

of data fragmentation and recombination testing, the SAP is defined below these functions.

Notional UT: No explicit upper tester (UT) exists in the system under test. Nevertheless, some specific actions to

cover implicit send events and to obtain feedback information are necessary for the need of the test procedures. A black box covering these requirements is used in the SUT as a notional UT as

defined in ISO/IEC 9646 [5] to [10]. This notional UT is part of the test system.

4.2 Test Configurations

4.2.1 Test Configurations for MT

Four configurations are defined for MT testing.



Figure 2: Normal configuration for MT

The normal configuration is defined and used for functionality that requires only interaction between the tested MT and one AP.

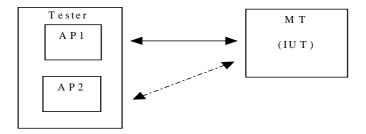


Figure 3: Handover configuration for MT

The handover configuration is used when the MT has to interact with two AP. In that case, the two simulated AP are configurable to be either a multi-sector AP or two separate AP. The concurrent TTCN facilities are used in this configuration.

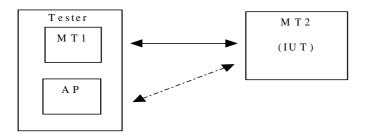


Figure 4: Direct mode configuration for MT

The direct mode configuration is used for direct mode testing. The test system simulates one AP and one MT. The AP part of the test system is used to initialize the direct mode with the tested MT. The MT part of the system is used to verify the communication of the tested MT when the direct mode is active. The concurrent TTCN facilities are used in this configuration.

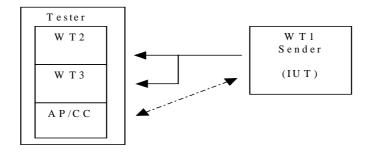


Figure 5: Direct mode Multicast with QoS configuration for MT

The direct mode Multicast with QoS configuration is used for multicast connection with required QoS testing. The test system simulates one AP/CC and two WT. The AP/CC part of the test system is used to initialize the direct mode with the tested WTs. The WTs part of the test system is used to verify the communication of the tested MT when a multicast connection with QoS is active. The concurrent TTCN facilities are used in this configuration.

4.2.2 Test Configurations for AP

Two configurations are defined for AP testing.



Figure 6: Normal configuration for AP

The normal configuration is defined and used for functionality that requires only interaction between the tested AP and one MT.

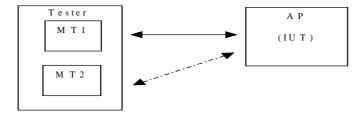


Figure 7: Direct mode configuration for AP

The direct mode configuration is used for direct mode testing. The test system simulates two MT. The two MT of the test system are necessary to test the centralized initialization procedure of the direct mode. The concurrent TTCN facilities are used in this configuration.

5 Untestable Test Purposes (TP)

This clause gives a list of TP, which are not implemented in the ATS due to the chosen ATM or other restrictions.

Table 1: Untestable TP

| Test purpose | Reason |
|--------------|--------|
| none | |

6 ATS conventions

The ATS conventions are intended to give a better understanding of the ATS but they also describe the conventions made for the development of the ATS. These conventions shall be considered during any later maintenance or further development of the ATS.

The ATS conventions contain two clauses, the naming conventions and the implementation conventions. The naming conventions describe the structure of the naming of all ATS elements. The implementation conventions describe the functional structure of the ATS.

To define the ATS, the guidelines of the document ETS 300 406 [4] was considered.

6.1 Naming conventions

6.1.1 Declarations part

This clause describes the naming conventions chosen for the elements of the ATS declarations part.

6.1.1.1 General

The following general rules apply for the name giving in the declarations part. All type definitions (simple type definitions, structured type definitions, ASP type definitions and PDU type definitions) shall be written in uppercase.

All element names (structured type definition), parameter names (ASP type definition) and field names (PDU type definition) shall be written in lowercase.

Predefined types (e.g. BITSTRING[8]) are never used in structured type definitions, ASP type definitions or PDU type definitions. Simple types are used instead.

6.1.1.2 Test suite operations definition

The test suite operation identifiers are composed of substrings in lowercase letters, except for standard prefix "TSO_". An underscore character ("_") separates each substring.

EXAMPLE: TSO_substring.

6.1.1.3 Test suite parameter declarations

The test suite parameter identifiers are composed of substrings in lowercase letters, except for the standard prefix "TSP_". An underscore character ("_") separates each substring.

EXAMPLE 1: TSP t wait.

If the test suite parameter references a Protocol Implementation Conformance Statement (PICS) item, the letter "C" is added to the standard prefix.

EXAMPLE 2: TSPC_encryption_support.

If the test suite parameter references a PIXIT item, the letter "X" is added to the standard prefix.

EXAMPLE 3: TSPX_pid.

6.1.1.4 Test case selection expression definition

The test case selection expression identifiers are composed of substrings in lowercase letters, beginning with the prefix "TCS_". An underscore character ("_") separates each substring.

6.1.1.5 Test suite constant declarations

The test suite constant identifiers are composed of substrings in lowercase letters, except for the prefix "TSC_". An underscore character ("_") separates each substring.

If the test suite constant represents a system parameter, the complete name defined in the protocol standard is used.

6.1.1.6 Test suite variable declarations

The test suite variable identifiers are composed of substrings in lowercase letters, except for the prefix "TSV_". An underscore character ("_") separates each substring.

Complete names as defined in the protocol standard are used.

6.1.1.7 Test case variable declarations

The test case variable identifiers are composed of substrings in lowercase letters, except for the prefix "TCV_". An underscore character ("_") separates each substring.

Complete names as defined in the protocol standard are used.

6.1.1.8 Timer declarations

Two types of timers can be identified:

- 1) Standardized:
 - Those defined in the protocol standard, e.g. T201. They use exactly the same name as in the standard.

As there is a tolerance margin accepted for these timers, three values are needed:

- The maximum value allowed, which will use the suffix "_max";
- The minimum value allowed, which will use the suffix "_min";
- The value actually implemented, with no suffix;

EXAMPLE 1: T201_max, T201_min, and T201.

- 2) Not standardized:
 - Those not defined in the protocol standard, i.e. for execution use, e.g. a timer waiting for a response. These timers begin with the prefix "T_", followed by a string in lowercase letters.

EXAMPLE 2: T_resp represents a timer for controlling the response time of the IUT.

6.1.1.9 ASP type definitions

The general conventions in clause 6.1.1.1 apply.

The identifier of an ASP type uses the same name as the name defined in the protocol standard.

6.1.1.10 PDU type definitions

The general conventions in clause 6.1.1.1 apply.

The PDU type identifier shall identify the related structure or type as defined in the protocol standard.

6.1.1.11 CM type definitions

The CM types are defined as the ASP types without sub-fields.

6.1.1.12 Alias definitions

Alias definitions are not used.

6.1.2 Constraints part

This clause describes the naming conventions chosen for the elements of the ATS constraints part.

6.1.2.1 General

Constraints shall be written with the first letter in uppercase, and the rest in lowercase.

The first part of the constraint declaration identifier name is equivalent to the corresponding type identifier used in the declaration part. The second part of the name describes the content of this constraint.

EXAMPLE: Declaration part: HEADER_FIELD;

Constraint part: Header_field_paging.

6.1.3 Dynamic part

This clause describes the naming conventions used for the elements of the ATS dynamic part.

6.1.3.1 General

All test cases shall be listed in the order in which they appear in the Test Suite Structure (TSS) and Test Purpose (TP) document.

6.1.3.2 Test Case (TC) identifier

The identifier of the test case is built in the same way as for the test purpose described in part 2 of the present document, with the exception that "TP" string is replaced by "TC". The identifier of a TC is built according to table 2.

Table 2: TC naming convention

| Identifier: | TC_ <st>_<pg>_<fm>_<x>_<nnn></nnn></x></fm></pg></st> | | |
|-------------|---|-----------|--|
| | <st> = side type</st> | AP | Access Point |
| | | MT | Mobile Terminal |
| | <pg> = protocol group</pg> | LCP | Association control function |
| | | ECP | U-plane Error Control procedures |
| | <fm> = functional module</fm> | TC | Terminal association for multiple convergence layers |
| | | PC | Power Control in Direct Link Phase |
| | | LQ | Link Quality Calibration for DM operation |
| | | DC | DLC User Connection Control |
| | | DS | Dynamic CC Selection procedures |
| | | CH | CC Responsibility Handover |
| | | AK | Authentication Key Management |
| | | FP | FEC error control procedures |
| | x = Type of testing | CA | Capability Tests |
| | | BV | Valid Behaviour Tests |
| | | BI | Invalid Behaviour Tests |
| | | ВО | Inopportune Behaviour Tests |
| | | TI | Timer Tests |
| | <nnn> = sequential number</nnn> | (000-999) | Test Case Number |

EXAMPLE: TP identifier: TP/MT/LCP/CH/BV-010;

TC identifier: TC_MT_LCP_CH_BV_010.

6.1.3.3 Test step identifier

The test step identifier is built of substrings in lowercase letters, preceded by a string of uppercase letters. Underscore characters join the substrings. The first substring indicates the main function of the test step; e.g. PR for preamble, PO for postamble, LTS for local tree and STP for general test step. The second substring indicates the purpose of the step.

EXAMPLE: PO_release_duc.

6.1.3.4 Default identifier

The default identifiers begin with the prefix "DF_", followed by a string in lowercase letters.

6.1.3.5 Label identifier

The identifiers in the label column is built according to table 3.

Table 3: Naming convention for verdict assignment identifier

| Identifier: | <table><nn></nn></table> | | | |
|-------------|---------------------------------|---------|-----------------------|--|
| | <table> = type of table</table> | TB | Test Body | |
| | | CS | Check State test step | |
| | | DF | DeFault · | |
| | | PO | POstamble | |
| | | PR | PReamble | |
| | | TS | TestStep | |
| | <nn> = sequential number</nn> | (00-99) | Label number | |

6.1.3.6 ATS abbreviations

These abbreviations are used to shorten identifier names:

| addr | address |
|------|-----------------|
| ack | |
| | acknowledgement |
| bear | bearer |
| cap | capability |
| cfm | confirm |
| chn | channel |
| con | connection |
| ctrl | control |
| est | establish |
| ext | extension |
| id | identification |
| ind | indication |
| info | information |
| max | maximum |
| min | minimum |
| par | parameter |
| prop | proprietary |
| rel | release |
| req | request |
| rsp | response |
| std | standard |
| sys | system |
| | |

6.2 Implementation conventions

6.2.1 Declaration part

The comment line of single element TTCN tables (e.g. test suite constants) is used to give a reference where the format and content of the element is described in the relevant protocol standards. Any particularity of the element format or content is described in the comment line.

The comment line in the header of multi element TTCN tables (e.g. ASP) is used to reference to the protocol standard.

The detailed comments are used to describe any particularity of the table.

In the ASP and PDU declarations the comment column is further used to give information about the parameter/field value, in particular if the parameter/field contains a fixed spare value.

6.2.2 Constraint part

The ASPs and PDUs are defined in a way that all relevant parameters/fields are parameterized. That improves the transparency of the constraints in the dynamic part, as all values, which are relevant for the test, are always present.

Generally no modified constraints are used. This allows an easier reuse and adaptation of constraints if they are reused in other test specifications.

The Comment line of a constraint always contains a reference to the relevant protocol standard.

The detailed comment footer is used to describe any particularity of the table.

6.2.3 Dynamic part

All events which are defined as a conformance requirement by the TP, causes a preliminary verdict PASS if the requirement is met.

All invalid events are handled in the default tree. Only FAIL or INCONC verdicts are assigned in the default tree.

The preamble, the test body and the postamble have different defaults, which allows a specific verdict handling, e.g. only INCONC verdicts are assigned in the preamble.

All verdict assignments are labelled. According to ISO/IEC 9646-3 [7], clause E.2, labels should be written to the conformance log. This allows, for example, to identify were the test failed. To allow an exact identification of the table, in which the verdict was assigned, the convention described in clause 6.1.3.5 is applied.

TP which are listed in the untestable TP list in clause 5 are not considered in the ATS, thus these TC identifiers are missing in the ATS and the numbering of the TC is not always continuous.

7 Abstract testing service primitives

7.1 Tester primitives

RLC_Configuration {parameters}

7.2 Centralized mode primitives

RLC_CM_request {MAC_ID, Length, SDU}

RLC_CM_indication {MAC_ID, Length, SDU}

7.3 Direct mode primitives

RLC_DM_request {Src_MAC_ID, Dst_MAC_ID, Length, SDU}

 $\pmb{RLC_DM_indication} \; \{Src_MAC_ID, Dst_MAC_ID, Length, SDU\}$

Annex A (normative): Abstract Test Suite (ATS)

This ATS has been produced using the Tree and Tabular Combined Notation (TTCN) according to ISO/IEC 9646-3 [7].

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the table of contents. The ATS itself contains a test suite overview part which provides additional information and references.

A.1 The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS is contained in Adobe Portable Document FormatTM file (hip2_v014.PDF contained in archive hip2_test.ZIP), which is provided together with TS 101 823-2-3 [3]. The PDF file contains also the TTCN.GR representations for all other parts of the HIPERLAN 2 Specifications testing.

A.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to the ATS is contained in ASCII file (hip2_v014.MP contained in archive hip2_test.ZIP), which is provided together with TS 101 823-2-3 [3]. The MP file contains also the TTCN.MP representations for all other parts of the HIPERLAN 2 Specifications testing.

NOTE: Where an ETSI Abstract Test Suite (in TTCN) is published in both .GR and .MP format these two forms shall be considered equivalent. In the event that there appears to be syntactical or semantic differences between the two then the problem shall be resolved and the erroneous format (whichever it is) shall be corrected.

Annex B (normative): Partial PIXIT proforma for H/2 RLC MT

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the PIXIT proforma in this annex so that it can be used for its intended purposes and may further publish the completed PIXIT.

The PIXIT Proforma is based on ISO/IEC 9646-6. Any needed additional information can be found in this international standard document.

B.1 Identification summary

Table B.1

| PIXIT Number | |
|----------------------|--|
| Test Laboratory Name | |
| Date of Issue | |
| Issued to | |

B.2 ATS summary

Table B.2

| Protocol Specification | TS 101 761-4 |
|------------------------|--------------------------|
| Protocol to be tested | |
| ATS Specification | TS 101 823-4-3 |
| Abstract Test Method | TS 101 823-4-3, clause 4 |

B.3 Test laboratory

Table B.3

| Test Laboratory Identification | |
|--------------------------------|--|
| Test Laboratory Manager | |
| Means of Testing | |
| SAP Address | |

B.4 Client identification

Table B.4

| Client Identification | |
|--------------------------|--|
| Client Test manager | |
| Test Facilities required | |

B.5 SUT

Table B.5

| Name | |
|---------------------------------|--|
| Version | |
| SCS Number | |
| Machine configuration | |
| Operating System Identification | |
| IUT Identification | |
| PICS Reference for IUT | |
| Limitations of the SUT | |
| Environmental Conditions | |
| | |

B.6 Protocol layer information

B.6.1 Protocol identification

Table B.6

| | BRAN H/2 - Data Link Control (DLC) Protocol - Extension for Home Environment TS 101 761-4 |
|-----------------|---|
| Version | |
| PICS References | |

B.6.2 IUT information

Table B.7: Configuration parameters

| Name/Type | Comments | Value |
|-----------------|---|-------|
| TSPX_net_id1 | Value of the NET_ID parameter for the | |
| NET_ID | entity 1 of the tester. | |
| TSPX_ap_id1 | Value of the AP_ID parameter for the | |
| AP_ID | entity 1 of the tester. | |
| TSPX_sector1 | Value of the SECTOR_ID parameter for | |
| SECTOR_ID | the entity 1 of the tester. | |
| TSPX_number1 | Value of the number of sector parameter | |
| SECTOR_ID | for the entity 1 of the tester. | |
| TSPX_tx1 | Value of the AP_TX_LEVEL parameter | |
| AP_TX_LEVEL | for the entity 1 of the tester. | |
| TSPX_rx1 | Value of the AP_RX_UL_LEVEL | |
| AP_RX_UL_LEVEL | parameter for the entity 1 of the tester. | |
| TSPX_vers1 | Value of the VERSION parameter for the | |
| VERSION | entity 1 of the tester. | |
| TSPX_load1 | Value of the AP_TRAFFIC_LOAD | |
| AP_TRAFFIC_LOAD | parameter for the entity 1 of the tester. | |
| TSPX_max1 | Value of the MAXIMUM_POWER | |
| MAXIMUM_POWER | parameter for the entity 1 of the tester. | |
| TSPX_net_id2 | Value of the NET_ID parameter for the | |
| NET_ID | entity 2 of the tester. | |
| TSPX_ap_id2 | Value of the AP_ID parameter for the | |
| AP_ID | entity 2 of the tester. | |
| TSPX_sector2 | Value of the SECTOR_ID parameter for | |
| SECTOR_ID | the entity 2 of the tester. | |
| TSPX_number2 | Value of the number of sector parameter | |
| SECTOR_ID | for the entity 2 of the tester. | |
| TSPX_tx2 | Value of the AP_TX_LEVEL parameter | |
| AP_TX_LEVEL | for the entity 2 of the tester | |
| TSPX_rx2 | Value of the AP_RX_UL_LEVEL | |
| AP_RX_UL_LEVEL | parameter for the entity 2 of the tester. | |
| TSPX_vers2 | Value of the VERSION parameter for the | |
| VERSION | entity 2 of the tester. | |
| TSPX_load2 | Value of the AP_TRAFFIC_LOAD | |
| AP_TRAFFIC_LOAD | parameter for the entity 2 of the tester. | |
| TSPX_max2 | Value of the MAXIMUM_POWER | |
| MAXIMUM_POWER | parameter for the entity 2 of the tester. | |

Table B.8: General parameters

| Name/Type | Comments | Value |
|---------------------------|--|-------|
| TSPX_duc_descr | Content of the DUC_DESCR defining | |
| DUC_DESCR | full duplex DUC. | |
| TSPX_mtu_value | Value of the maximum transmission unit | |
| INTEGER | used by the Convergence Layer to be | |
| | tested. | |
| TSPX_lch_phy_mode | Content of the LCH phy mode for ARQ | |
| REPORTED_PHY_MODE | | |
| TSPX_sch_phy_mode | Content of the SCH phy mode for ARQ. | |
| REPORTED_PHY_MODE | | |
| TSPX_magic | Content of the MAGIC field. | |
| MAGIC | | |
| TSPX_opId | Content of the BOOLEAN field. | |
| BOOLEAN | | |
| TSPX_macID | Content of the MAC_ID field. | |
| MAC_ID | | |
| TSPX_unique_length | Content of the UNIQUE_LENGTH field. | |
| UNIQUE_LENGTH | | |
| TSPX_cug | Content of the C_U_G field. | |
| C_U_G | | |
| TSPX_op_id_local | Content of the NETW_OP_ID_LOCAL | |
| NETW_OP_ID_LOCAL | field. | |
| TSPX_op_id_global | Content of the NETW_OP_ID_GLOBAL | |
| NETW_OP_ID_GLOBAL | field. | |
| TSPX_profile_vid_list | Content of the PROFILE_VID_LIST | |
| PROFILE_VID_LIST | field. | |
| TSPX_opid_lo_no_match | Value of the Local Op_Id field that does | |
| NETW_OP_ID_LOCAL | not match with the allowed MT list. | |
| TSPX_opid_gl_no_match | Value of the Global Op_ld field that | |
| NETW_OP_ID_GLOBAL | does not match with the allowed MT list. | |
| TSPX_profile_vid_no_match | Value of the Profile_Vid_list field in | |
| PROFILE_VID_LIST | which every Profile_Vid does not match | |
| | with any of the allowed MT list. | |

Table B.9: Specific parameters for testing

| Name/Type | Comments | Value |
|--------------------------------|---|-------|
| TSPX_apt_address_length1 | Content of the APT_ADDRESS_LENGTH | |
| APT_ADDRESS_LENGTH | field. | |
| TSPX_profile_vid_list1 | Content of the PROFILE_VID_LIST field. | |
| PROFILE_VID_LIST | | |
| TSPX_rss_value1 | Content of the RSS_VALUE field. | |
| RSS_VALUE | | |
| TSPX_supported64QAM1 | Content of the SUPPORTED64QAM field. | |
| SUPPORTED64QAM | | |
| TSPX_direct_mode_cap1 | Content of the DIRECT_MODE_CAP field. | |
| DIRECT_MODE_CAP | | |
| TSPX_cyclic_prefix1 | Content of the CYCLIC_PREFIX field. | |
| CYCLIC_PREFIX | Contont of the CTCEIC_T RELIANTICIA. | |
| TSPX_support_fca1 | Content of the SUPPORTED FCA field. | |
| SUPPORTED_FCA | Content of the SOLT ONTED_I OA lield. | |
| TSPX_support_fsa1 | Content of the SUPPORTED_FSA field. | |
| SUPPORTED_FSA | Content of the SOLT ONTED_1 SA field. | |
| TSPX_ho_cap1 | Content of the HO_CAP field. | |
| HO_CAP | Content of the HO_CAF field. | |
| TSPX_cc_ho_cap1 | Content of the CC_HO_CAP field. | |
| CC_HO_CAP | Content of the CC_HO_CAP field. | |
| | Contant of the TIME CAR ACIL LIRI INK | |
| TSPX_time_gap1 | Content of the TIME_GAP_ACH_UPLINK field. | |
| TIME_GAP_ACH_UPLINK | | |
| TSPX_duty_cycle1 | Content of the DUTY_CYCLE field. | |
| DUTY_CYCLE | 0 (# 5)/ 450 551 4/ (# 11 | |
| TSPX_arq_delay_rx1 | Content of the RX ARQ_DELAY field. | |
| ARQ_DELAY | | |
| TSPX_arq_delay_tx1 | Content of the TX ARQ_DELAY field. | |
| ARQ_DELAY | | |
| TSPX_auth_encr_list1 | Content of the | |
| AUTHENTICATION_ENCRYPTION_LIST | AUTHENTICATION_ENCRYPTION_LIST | |
| | field. | |
| TSPX_dm_attributes1 | Content of the DM_ATTIBUTES field. | |
| DM_ATTIBUTES | | |
| TSPX_auth_key_id_list1 | Content of the AUTH_KEY_ID_LIST field. | |
| AUTH_KEY_ID_LIST | | |
| TSPX_test_mode_cap1 | Content of the TEST_MODE_CAP field. | |
| TEST_MODE_CAP | | |
| TSPX_dm_use_common_key1 | Content of the DM_USE_COMMON_KEY | |
| DM_USE_COMMON_KEY | field. | |
| TSPX_freq_band1 | Content of the FREQUENCY_BAND field. | |
| FREQUENCY_BAND | | |
| TSPX_frequency_index1 | Content of the FREQUENCY_INDEX field. | |
| FREQUENCY_INDEX | | |
| TSPX_last_mac_frame | Content of the LAST_MAC_FRAME field. | |
| LAST_MAC_FRAME | | |
| | | |

Table B.10: Home extension authentication parameters

| Name/Type | Comments | Value |
|------------------------|--|-------|
| TSPX_valid_key | Content of the valid_key field for | |
| VALID_KEY | authentication. | |
| TSPX_auth_key_length | Content of the auth_key_length field for | |
| AUTH_KEY_LENGTH | authentication. | |
| TSPX_pin_code_length | Content of the pin_code_length field for | |
| PIN_CODE_LENGTH | authentication. | |
| TSPX_auth_key | Content of the auth_key field for | |
| AUTH_KEY | authentication. | |
| TSPX_pin_code | Content of the pin_code field for | |
| PIN_CODE | authentication. | |
| TSPX_mt_id_number_lgth | Content of the Length of mt_id_number | |
| MT_ID_NUMBER_LENGTH | field for authentication. | |
| TSPX_mt_id_number | Content of the mt_id_number field for | |
| MT_ID_NUMBER | authentication. | |

Table B.11: Authentication parameters

| Name/Type | Comments | Value |
|----------------------------|---|-------|
| TSPX_auth_content_ieee | Authentication content for ieee. | |
| MT_AUTH_CONTENT | | |
| TSPX_auth_ct_ext_ieee | Authentication content for ext. ieee. | |
| MT_AUTH_CONTENT | | |
| TSPX_auth_ct_net_acc_id | Authentication content for net_acc_id. | |
| MT_AUTH_CONTENT | Short length (≤ 46 octets) first part. | |
| TSPX_auth_ct_net_acc_id_l1 | Authentication content for net_acc_id. | |
| MT_AUTH_CONTENT | Long length (> 46 octets) first part. | |
| TSPX_auth_ct_net_acc_id_l2 | Authentication content for net_acc_id. | |
| MT_AUTH_CONTENT | Long length (> 46 octets) second part. | |
| TSPX_auth_ct_compressed | Authentication content for compressed. | |
| MT_AUTH_CONTENT | | |
| TSPX_auth_ct_generic | Authentication content for generic. Short | |
| MT_AUTH_CONTENT | length (≤ 46 octets) first part. | |
| TSPX_auth_ct_generic_l1 | Authentication content for generic. Long | |
| MT_AUTH_CONTENT | length (> 46 octets) first part. | |
| TSPX_auth_ct_generic_l2 | Authentication content for generic. Long | |
| MT_AUTH_CONTENT | length (> 46 octets) second part. | |
| TSPX_auth_ct_x509_cert | Authentication content for x509_cert | |
| MT_AUTH_CONTENT | Short length (≤ 46 octets) first part. | |
| TSPX_auth_ct_x509_cert_l1 | Authentication content for x509_cert | |
| MT_AUTH_CONTENT | Long length (> 46 octets) first part. | |
| TSPX_auth_ct_x509_cert_l2 | Authentication content for x509_cert | |
| MT_AUTH_CONTENT | Long length (> 46 octets) second part. | |

Table B.12: Encryption parameters

| Name/Type | Comments | Value |
|-------------------|-----------------------------------|-------|
| TSPX_PresharedKey | Value of the Pre Shared Key. | |
| B_128 | | |
| TSPX_Rsa512Key | Value of the RSA 512 public Key. | |
| B_512 | | |
| TSPX_Rsa768Key | Value of the RSA 768 public Key. | |
| B_768 | | |
| TSPX_Rsa1024Key | Value of the RSA 1024 public Key. | |
| B_1024 | | |
| TSPX_ApprivateKey | Value of the AP private Key. | |
| B_1_1024 | | |
| TSPX_MtprivateKey | Value of the MT private Key. | |
| B_1_1024 | | |

Table B.13: DM COMMON KEY distribution message

| Name/Type | Comments | Value |
|--------------------------------|--------------------------------|-------|
| TSPX_ck_encr_info ENCR_INFO | Value of the encr_info field. | |
| TSPX_ck_key_id KEY_ID | Value of the Key_Id field. | |
| TSPX_common_key COMMON_KEY | Value of the common key field. | |

Table B.14: COMMON KEY REFRESH message

| Name/Type | Comments | Value |
|------------|---------------------------|-------|
| TSPX_nonce | Value of the nonce field. | |
| NONCE | | |

Table B.15: INFO message

| Name/Type | Comments | Value |
|---------------------|---|-------|
| TSPX_cl_data | Value of the cl data field. | |
| CL_DATA | | |
| TSPX_dlc_attributes | Value of the dlc attributes field. | |
| DLC_ATTRIBUTES | | |
| TSPX_cl_atm_data | Content of the cl data field in case of atm | |
| CL_DATA | uni SSCS. | |
| TSPX_cl_atm_hn_data | Content of the cl data field in case of | |
| CL_DATA | network handover for atm uni SSCS. | |
| TSPX_cl_eth_data | Content of the cl data field in case of | |
| CL_DATA | Ethernet SSCS. | |
| TSPX_cl_eth_hn_data | Content of the cl data field in case of | |
| CL_DATA | network handover for Ethernet SSCS. | |

Table B.16: TRANS_CC_DATA message

| Name/Type | Comments | Value |
|--------------|--|-------|
| TSPX_ext_ind | Value of the ext_ind field for CC | |
| EXT_IND | responsibility handover testing in case of | |
| | home extension. | |
| TSPX_data | Value of the data field for CC | |
| DATA | responsibility handover testing in case of | |
| | home extension. | |

Table B.17: DM Power Control message

| Name/Type | Comments | Value |
|------------------|-------------------------------|-------|
| TSPX_dm_duc_type | Content of dm_duc_type field. | |
| DM_DUC_TYPE | | |
| TSPX_wt_tx_level | Content of wt_tx_level field. | |
| WT_TX_LEVEL | | |
| TSPX_adjust_tx | Content of adjust_tx field. | |
| ADJUST_TX | · | |

Table B.18: Setup message

| Name/Type | Comments | Value |
|---------------------|----------------------------------|-------|
| TSPX_cl_id | Content of Cl_Id field. | |
| CL_ID | | |
| TSPX_duc_ext_ind | Content of duc_ext_ind field. | |
| DUC_EXT_IND | | |
| TSPX_cl_attr_lgth | Content of cl_attr_lgth field. | |
| INTEGER | | |
| TSPX_duc_descr_list | Content of duc_descr_list field. | |
| DUC DESCR LIST | | |

Table B.19: DM_Setup message

| Name/Type | Comments | Value |
|---------------------|----------------------------------|-------|
| TSPX_peer_mac_id | Content of perr_mac_id field. | |
| MAC_ID | | |
| TSPX_cl_common_attr | Content of cl_common_attr field. | |
| CL_COMMON_ATTR | | |

Table B.20: DM MC Setup message

| Name/Type | Comments | Value |
|------------------------------------|-------------------------------------|-------|
| TSPX_extension_type EXTENSION_TYPE | Content of extension_type field. | |
| TSPX_min_req_receivers INTEGER | Content of min_req_receivers field. | |

Table B.21: Modify Req message

| Name/Type | Comments | Value |
|----------------------------------|----------------------------------|-------|
| TSPX_duc_ext_ind2 DUC_EXT_IND | Content of duc_descr_ind field. | |
| | Content of cl_attr_lgth field. | |
| | Content of duc_descr_list field. | |

Table B.22: DM Modify Req message

| Name/Type | Comments | Value |
|--|----------------------------------|-------|
| TSPX_cl_attr_lgth3 INTEGER | Content of cl_attr_lgth field. | |
| TSPX_duc_descr_list3 DUC_DESCR_LIST | Content of duc_descr_list field. | |

Table B.23: DM MC Modify Req message

| Name/Type | Comments | Value |
|----------------------|-----------------------------------|-------|
| TSPX_cl_attr_lgth4 | Content of cl_attr_lgth field. | |
| INTEGER | | |
| TSPX_start_mac_frame | Content of start_mac_frame field. | |
| START_MAC_FRAME | | |
| TSPX_duc_descr_list4 | Content of duc_descr_list field. | |
| DUC_DESCR_LIST | | |

Table B.24: GROUP_JOIN message

| Name/Type | Comments | Value |
|-------------------------------|-----------------------------------|-------|
| TSPX_encryption_proposal | Value of the encryption algorithm | |
| ENCRYPTION_ALGORITHM_PROPOSAL | proposal field. | |
| TSPX_cl_data2 | Value of the cl data field. | |
| CL_DATA | | |

Table B.25: GROUP_JOIN message for home extension

| Name/Type | Comments | Value |
|-------------------------------|-------------------------------------|-------|
| TSPX_encryption_prop_HE | Value of the encryption algorithm | |
| ENCRYPTION_ALGORITHM_PROPOSAL | proposal field for home extension | |
| | testing. | |
| TSPX_cl_data_HE | Value of the cl data field for home | |
| CL_DATA | extension testing. | |

Table B.26: GROUP_JOIN message for 1 394 bridge

| Name/Type | Comments | Value |
|-------------------------------|-----------------------------------|-------|
| TSPX_encryption_proposal_1394 | Value of the encryption algorithm | |
| ENCRYPTION_ALGORITHM_PROPOSAL | proposal field for 1 394 bridge | |
| | testing. | |
| TSPX_cl_data_1394 | Value of cl data field for 1 394 | |
| CL_DATA_1394 | bridge testing. | |

Table B.27: GROUP_JOIN message for the forwarding clock mc group

| Name/Type | Comments | Value |
|---|--|-------|
| TSPX_encryption_proposal_1394_fw ENCRYPTION_ALGORITHM_PROPOSAL | Value of the encryption algorithm proposal field for the forwarding clock mc group in case of 1 394 testing. | |
| TSPX_cl_data_1394_fw CL_DATA_1394 | Value of cl data field for the forwarding clock mc group in case of 1 394 testing. | |

Table B.28: CL_BROADCAST_JOIN message

| Name/Type | Comments | Value |
|-------------------------------|-----------------------------------|-------|
| TSPX_encryption_proposal2 | Value of the encryption algorithm | |
| ENCRYPTION_ALGORITHM_PROPOSAL | proposal field. | |
| TSPX_cl_data3 | Value of the cl data field. | |
| CL_DATA | | |

Table B.29 DFS_MT_INIT_REPORT_REQUEST message

| Name/Type | Comments | Value |
|-------------------------------|--------------------------------------|-------|
| TSPX_measurement_type | Value of the measurement_type field. | |
| MEASUREMENT_TYPE | | |
| TSPX_frequency_index | Content of frequency_index field. | |
| FREQUENCY_INDEX | · | |
| TSPX_adjacent_ch_interference | Content of adjacent_ch_interference | |
| ADJACENT_CH_INTERFERENCE | field. | |

Table B.30 DFS_MEASUREMENT_REQUEST message

| Name/Type | Comments | Value |
|-------------------------------------|--|-------|
| TSPX_frequency_index_2 | Value of the frequency_index field for | |
| FREQUENCY_INDEX | message of type complete, | |
| | percentiles or short. | |
| TSPX_use_omni_antenna | Value of the use_omni_antenna field | |
| USE_OMNI_ANTENNA | for message of type complete, | |
| | percentiles or short. | |
| TSPX_start_of_measurement | Value of the start_of_measurement | |
| START_OF_MEASUREMENT | field for message of type complete, | |
| | percentiles or short. | |
| TSPX_measurement_window | Value of the measurement_window | |
| MEASUREMENT_WINDOW | field for message of type complete, | |
| | percentiles or short. | |
| TSPX_maximum_age_of_bch_measurement | Value of the | |
| MAXIMUM_AGE_OF_BCH_MEASUREMENT | maximum_age_of_bch_measurement | |
| | field for message of type complete or | |
| | short. | |
| TSPX_rss_index_list | Value of the rss_index_list field for | |
| RSS_INDEX_LIST | message of type complete. | |
| TSPX_length_of_measurement | Value of the length_of_measurement | |
| NUMBER_OF_SAMPLES | field for message of type short. | |

Table B.31: Calibration_measurement_trigger message

| Name/Type | Comments | Value |
|-------------------|--|-------|
| TSPX_trigger_type | Value of the trigger_type field for | |
| TRIGGER_TYPE | message of type complete. | |
| TSPX_mac_ids | Value of the mac_ids field for message | |
| MAC_IDS | of type complete. | |

Table B.32: Sleep message

| Name/Type | Comments | Value |
|------------------------|---------------------------------------|-------|
| TSPX_sleep_group | Value of the sleep_group field. | |
| SLEEP_GROUP | | |
| TSPX_care_of_broadcast | Value of the care_of_broadcast field. | |
| CARE_OF_BROADCAST | | |

Table B.33: MT_ALIVE_REQUEST message

| Name/Type | Comments | Value |
|------------------------|---------------------------------------|-------|
| TSPX_mt_alive_interval | Value of the mt_alive_interval field. | |
| MT_ALIVE_INTERVAL | | |

Table B.34: HO INFO DISTRIBUTION message

| Name/Type | Comments | Value |
|--------------------|------------------------------|-------|
| TSPX_token | Content of TOKEN field. | |
| TOKEN | | |
| TSPX_token_auth | Content of TOKEN_AUTH field. | |
| MT_TOKEN_AUTH_ENCR | | |

Table B.35: BUS_SUSPEND information element

| Name/Type | Comments | Value |
|----------------|--|-------|
| TSPX_bs_length | Content of length field in cl_attributes for | |
| INTEGER | IEEE 1394 SSCS. | |
| TSPX_bs_info | Content of information field in | |
| OCTETSTRING | cl_attributes for IEEE 1394 SSCS. | |

Table B.36: BUS_RESUME information element

| Name/Type | Comments | Value |
|-----------------|--|-------|
| TSPX_br_length | Content of length field in cl_attributes for | |
| INTEGER | IEEE 1394 SSCS. | |
| TSPX_br_info | Content of information field in | |
| OCTETSTRING | cl_attributes for IEEE 1394 SSCS. | |
| TSPX_br2_length | Content of length field in cl_attributes for | |
| INTEGER | IEEE 1394 SSCS. The resulting | |
| | information element shall be different | |
| | from the first one. | |
| TSPX_br2_info | Content of information field in | |
| OCTETSTRING | cl_attributes for IEEE 1394 SSCS. The | |
| | resulting information element shall be | |
| | different from the first one. | |

Table B.37: Parameter for ARQ testing

| Name/Type | Comments | Value |
|------------------|---|-------|
| TSPX_window_size | Value of the window size used for testing | |
| INTEGER | the DUC connection (shall be small, | |
| | i.e. 32). | |

Table B.38: Cell convergence layer configuration parameters

| Name/Type | Comments | Value |
|-----------------|---|-------|
| TSPX_cl_tag | CL_tag for Cell common part | |
| B_8 | convergence layer. | |
| TSPX_cl_tag_2 | Second CL_tag for Cell common part | |
| B_8 | convergence layer corresponding to the | |
| | same DLCC_ID as TSPX_cl_tag (second | |
| | VCI, VPI). | |
| TSPX_cl_tag_3 | Third CL_tag for Cell common part | |
| B_8 | convergence layer corresponding to the | |
| | same DLCC_ID as TSPX_cl_tag (third | |
| | VCI, VPI). | |
| TSPX_cl_tag_not | CL_tag for Cell common part | |
| B_8 | convergence layer in case of a non- | |
| | configured mapping for the DUC_ID | |
| | (MAC_ID, DLCC_ID) and the CL_Tag. | |
| TSPX_pt | Payload type for Cell common part | |
| B_3 | convergence layer. | |
| TSPX_clp | Cell loss priority bit for Cell common part | |
| B_1 | convergence layer. | |

Table B.39: Implementation options

| Name/Type | Comments | Value |
|-------------------------|---|-------|
| TSPX_IEEE | TRUE if the IUT support the IEEE MT | |
| BOOLEAN | authentication. | |
| TSPX_ext_IEEE | TRUE if the IUT support the Extended | |
| BOOLEAN | IEEE MT authentication. | |
| TSPX_net_acc_id | TRUE if the IUT support the Net. Acc. Id. | |
| BOOLEAN | MT authentication. | |
| TSPX_compressed | TRUE if the IUT support the | |
| BOOLEAN | Compressed MT authentication. | |
| TSPX_generic | TRUE if the IUT support the Generic MT | |
| BOOLEAN | authentication. | |
| TSPX_distinguished_name | TRUE if the IUT support the | |
| BOOLEAN | distinguished name MT authentication. | |
| TSPX_pre_shared | RUE if the IUT support the Pre. shared | |
| BOOLEAN | AP authentication. | |
| TSPX_RSA_512 | TRUE if the IUT support the | |
| BOOLEAN | RSA_signature_512 AP authentication. | |
| TSPX_RSA_768 | TRUE if the IUT support the | |
| BOOLEAN | RSA_signature_768 AP authentication. | |
| TSPX_RSA_1024 | TRUE if the IUT support the | |
| BOOLEAN | RSA_signature_1024 AP authentication. | |
| TSPX_direct_mode | TRUE if the IUT support the Direct Mode | |
| BOOLEAN | Option. | |
| TSPX_disa_pwr_off | TRUE if the IUT support the | |
| BOOLEAN | Disassociation process at power off. | |

Table B.40: 1394 specifiques options

| Name/Type | Comments | Value |
|---|---|-------|
| TSPX_bandwidth | Isoch stream bandwidth request | |
| BANDWIDTH | value | |
| TSPX_bandwidth_2 | Isoch stream bandwidth request | |
| BANDWIDTH | value for modifying the bandwidth | |
| TSPX_isoch_nodes ISOCH_NODE_LIST | | |
| TSPX_retry_code INTEGER | 1394 retry code, Clause 6.2.4.4 of IEEE 1394-1995 | |
| TSPX_1394_encr_alg ENCRYPTION_ALGORITHM_PROPOSAL | | |
| TSPX_strm_channel | Stream Channel to be used for | |
| INTEGER | isoch tx when SUT is talker and | |
| | listener | |
| TSPX_1394_multi_mac_ID MAC_ID | Multicast MAC-ID for isochronous stream group | |
| TSPX_dm_multicast_fail_sec | The time in seconds the tester | |
| INTEGER | shall do nothing so that 1394 DM | |
| | multicast setup will fail. No | |
| | RLC_DM_MC_SETUP is sent to the WT. | |
| TSPX_delta_timer | The duration of the delta timer in | _ |
| INTEGER | 1394 SSCS 6.9.2.4 | |
| TSPX_interrupt_target_offset_pcr_bit | The offset to the CSR | • |
| INTEGER | INTERRUPT TARGET register | |

Annex C (normative): Partial PIXIT proforma for H/2 RLC AP

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the PIXIT proforma in this annex so that it can be used for its intended purposes and may further publish the completed PIXIT.

The PIXIT Proforma is based on ISO/IEC 9646-6. Any needed additional information can be found in this international standard document.

C.1 Identification summary

Table C.1

| PIXIT Number | |
|----------------------|--|
| Test Laboratory Name | |
| Date of Issue | |
| Issued to | |

C.2 ATS summary

Table C.2

| Protocol Specification | TS 101 761-4 |
|------------------------|--------------------------|
| Protocol to be tested | |
| ATS Specification | TS 101 823-4-3 |
| Abstract Test Method | TS 101 823-4-3, clause 4 |

C.3 Test laboratory

Table C.3

| Test Laboratory Identification | |
|--------------------------------|--|
| Test Laboratory Manager | |
| Means of Testing | |
| SAP Address | |

C.4 Client identification

Table C.4

| Client Identification | |
|--------------------------|--|
| Client Test manager | |
| Test Facilities required | |

C.5 SUT

Table C.5

C.6 Protocol layer information

C.6.1 Protocol identification

Table C.6

| | TS 101 761-4 BRAN H/2 - Data Link Control (DLC) Protocol - Extension for Home Environment |
|-----------------|---|
| Version | |
| PICS References | |

C.6.2 IUT information

Table C.7: Configuration parameters

| Name/Type | Comments | Value |
|-----------------|---|-------|
| TSPX_net_id1 | Value of the NET_ID parameter for the | |
| NET_ID | entity 1 of the tester. | |
| TSPX_ap_id1 | Value of the AP_ID parameter for the | |
| AP_ID | entity 1 of the tester. | |
| TSPX_sector1 | Value of the SECTOR_ID parameter for | |
| SECTOR_ID | the entity 1 of the tester. | |
| TSPX_number1 | Value of the number of sector parameter | |
| SECTOR_ID | for the entity 1 of the tester. | |
| TSPX_tx1 | Value of the AP_TX_LEVEL parameter | |
| AP_TX_LEVEL | for the entity 1 of the tester. | |
| TSPX_rx1 | Value of the AP_RX_UL_LEVEL | |
| AP_RX_UL_LEVEL | parameter for the entity 1 of the tester. | |
| TSPX_vers1 | Value of the VERSION parameter for the | |
| VERSION | entity 1 of the tester. | |
| TSPX_load1 | Value of the AP_TRAFFIC_LOAD | |
| AP_TRAFFIC_LOAD | parameter for the entity 1 of the tester. | |
| TSPX_max1 | Value of the MAXIMUM_POWER | |
| MAXIMUM_POWER | parameter for the entity 1 of the tester. | |
| TSPX_net_id2 | Value of the NET_ID parameter for the | |
| NET_ID | entity 2 of the tester. | |
| TSPX_ap_id2 | Value of the AP_ID parameter for the | |
| AP_ID | entity 2 of the tester. | |
| TSPX_sector2 | Value of the SECTOR_ID parameter for | |
| SECTOR_ID | the entity 2 of the tester. | |
| TSPX_number2 | Value of the number of sector parameter | |
| SECTOR_ID | for the entity 2 of the tester. | |
| TSPX_tx2 | Value of the AP_TX_LEVEL parameter | |
| AP_TX_LEVEL | for the entity 2 of the tester. | |
| TSPX_rx2 | Value of the AP_RX_UL_LEVEL | |
| AP_RX_UL_LEVEL | parameter for the entity 2 of the tester. | |
| TSPX_vers2 | Value of the VERSION parameter for the | |
| VERSION | entity 2 of the tester. | |
| TSPX_load2 | Value of the AP_TRAFFIC_LOAD | |
| AP_TRAFFIC_LOAD | parameter for the entity 2 of the tester. | |
| TSPX_max2 | Value of the MAXIMUM_POWER | |
| MAXIMUM_POWER | parameter for the entity 2 of the tester. | |

Table C.8: General parameters

| Comments | Value |
|--|--|
| Content of the DUC_DESCR defining | |
| full duplex DUC. | |
| Value of the maximum transmission unit | |
| used by the Convergence Layer to be | |
| 100100. | |
| Content of the LCH phy mode for ARQ | |
| | |
| Content of the SCH phy mode for ARQ. | |
| | |
| Content of the MAGIC field. | |
| | |
| Content of the BOOLEAN field. | |
| | |
| Content of the MAC_ID field. | |
| | |
| Content of the UNIQUE_LENGTH field. | |
| | |
| Content of the C_U_G field. | |
| | |
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| | |
| | |
| _ | |
| | Content of the DUC_DESCR defining full duplex DUC. Value of the maximum transmission unit |

Table C.9: Specific parameters for testing

| Name/Type | Comments | Value |
|--------------------------------|--|-------|
| TSPX_apt_address_length1 | Content of the APT_ADDRESS_LENGTH | |
| APT_ADDRESS_LENGTH | field. | |
| TSPX_profile_vid_list1 | Content of the PROFILE_VID_LIST field. | |
| PROFILE_VID_LIST | | |
| TSPX_rss_value1 | Content of the RSS_VALUE field. | |
| RSS_VALUE | _ | |
| TSPX_supported64QAM1 | Content of the SUPPORTED64QAM field. | |
| SUPPORTED64QAM | | |
| TSPX_direct_mode_cap1 | Content of the DIRECT_MODE_CAP field. | |
| DIRECT_MODE_CAP | | |
| TSPX_cyclic_prefix1 | Content of the CYCLIC_PREFIX field. | |
| CYCLIC_PREFIX | | |
| TSPX_support_fca1 | Content of the SUPPORTED_FCA field. | |
| SUPPORTED_FCA | | |
| TSPX_support_fsa1 | Content of the SUPPORTED_FSA field. | |
| SUPPORTED_FSA | | |
| TSPX_ho_cap1 | Content of the HO_CAP field. | |
| HO_CAP | Content of the 110_0/4 field. | |
| TSPX_cc_ho_cap1 | Content of the CC_HO_CAP field. | |
| CC_HO_CAP | Content of the GO_HO_O/M Held. | |
| TSPX_time_gap1 | Content of the TIME_GAP_ACH_UPLINK | |
| TIME_GAP_ACH_UPLINK | field. | |
| TSPX_duty_cycle1 | Content of the DUTY_CYCLE field. | |
| DUTY_CYCLE | Content of the DOTT_OTOLE field. | |
| TSPX_arq_delay_rx1 | Content of the RX ARQ_DELAY field. | |
| ARQ_DELAY | Content of the NX ANQ_DELAT field. | |
| TSPX_arq_delay_tx1 | Content of the TX ARQ_DELAY field. | |
| ARQ_DELAY | Content of the TX ANQ_DEEAT field. | |
| TSPX_auth_encr_list1 | Content of the | |
| AUTHENTICATION_ENCRYPTION_LIST | AUTHENTICATION_ENCRYPTION_LIST | |
| AOTHENTICATION_ENCRIPTION_LIST | field. | |
| TSPX_dm_attributes1 | Content of the DM_ATTIBUTES field. | |
| DM_ATTIBUTES | Content of the DW_ATTIBOTES field. | |
| TSPX_auth_key_id_list1 | Content of the AUTH_KEY_ID_LIST field. | |
| AUTH_KEY_ID_LIST | Content of the AUTI_NET_ID_LIST field. | |
| TSPX_test_mode_cap1 | Content of the TEST_MODE_CAP field. | |
| TEST_MODE_CAP | Content of the TEST_WODE_CAP field. | |
| TSPX_dm_use_common_key1 | Content of the DM_USE_COMMON_KEY | |
| DM_USE_COMMON_KEY | field. | |
| | Content of the FREQUENCY BAND field. | |
| TSPX_freq_band1 | Content of the FREQUENCY_BAND field. | |
| FREQUENCY_BAND | Contant of the EDEOLIENCY INDEX 6-1-1 | |
| TSPX_frequency_index1 | Content of the FREQUENCY_INDEX field. | |
| FREQUENCY_INDEX | O + + (# LAGE MAG EDAME (*) ; | |
| TSPX_last_mac_frame | Content of the LAST_MAC_FRAME field. | |
| LAST_MAC_FRAME | | |

Table C.10: Home extension authentication parameters

| Name/Type | Comments | Value |
|------------------------|--|-------|
| TSPX_valid_key | Content of the valid_key field for | |
| VALID_KEY | authentication. | |
| TSPX_auth_key_length | Content of the auth_key_length field for | |
| AUTH_KEY_LENGTH | authentication. | |
| TSPX_pin_code_length | Content of the pin_code_length field for | |
| PIN_CODE_LENGTH | authentication. | |
| TSPX_auth_key | Content of the auth_key field for | |
| AUTH_KEY | authentication. | |
| TSPX_pin_code | Content of the pin_code field for | |
| PIN_CODE | authentication. | |
| TSPX_mt_id_number_lgth | Content of the Length of mt_id_number | |
| MT_ID_NUMBER_LENGTH | field for authentication. | |
| TSPX_mt_id_number | Content of the mt_id_number field for | |
| MT_ID_NUMBER | authentication. | |

Table C.11: Authentication parameters

| Name/Type | Comments | Value |
|----------------------------|---|-------|
| TSPX_auth_content_ieee | Authentication content for ieee. | |
| MT_AUTH_CONTENT | | |
| TSPX_auth_ct_ext_ieee | Authentication content for ext. ieee. | |
| MT_AUTH_CONTENT | | |
| TSPX_auth_ct_net_acc_id | Authentication content for net_acc_id. | |
| MT_AUTH_CONTENT | Short length ≤46 octets) first part. | |
| TSPX_auth_ct_net_acc_id_l1 | Authentication content for net_acc_id. | |
| MT_AUTH_CONTENT | Long length (> 46 octets) first part. | |
| TSPX_auth_ct_net_acc_id_l2 | Authentication content for net_acc_id. | |
| MT_AUTH_CONTENT | Long length (> 46 octets) second part. | |
| TSPX_auth_ct_compressed | Authentication content for compressed. | |
| MT_AUTH_CONTENT | | |
| TSPX_auth_ct_generic | Authentication content for generic. Short | |
| MT_AUTH_CONTENT | length (≤ 46 octets) first part. | |
| TSPX_auth_ct_generic_l1 | Authentication content for generic. Long | |
| MT_AUTH_CONTENT | length (> 46 octets) first part. | |
| TSPX_auth_ct_generic_l2 | Authentication content for generic. Long | |
| MT_AUTH_CONTENT | length (> 46 octets) second part. | |
| TSPX_auth_ct_x509_cert | Authentication content for x509_cert | |
| MT_AUTH_CONTENT | Short length (≤ 46 octets) first part. | |
| TSPX_auth_ct_x509_cert_l1 | Authentication content for x509_cert | |
| MT_AUTH_CONTENT | Long length (> 46 octets) first part. | |
| TSPX_auth_ct_x509_cert_l2 | Authentication content for x509_cert | |
| MT_AUTH_CONTENT | Long length (> 46 octets) second part. | |

Table C.12: Encryption parameters

| Name/Type | Comments | Value |
|-------------------|-----------------------------------|-------|
| TSPX_PresharedKey | Value of the Pre Shared Key. | |
| B_128 | | |
| TSPX_Rsa512Key | Value of the RSA 512 public Key. | |
| B_512 | | |
| TSPX_Rsa768Key | Value of the RSA 768 public Key. | |
| B_768 | | |
| TSPX_Rsa1024Key | Value of the RSA 1024 public Key. | |
| B_1024 | | |
| TSPX_ApprivateKey | Value of the AP private Key. | |
| B_1_1024 | | |
| TSPX_MtprivateKey | Value of the MT private Key. | |
| B_1_1024 | | |

Table C.13: DM COMMON KEY distribution message

| Name/Type | Comments | Value |
|--------------------------------|--------------------------------|-------|
| TSPX_ck_encr_info ENCR_INFO | Value of the encr_info field. | |
| TSPX_ck_key_id KEY_ID | Value of the Key_ld field. | |
| TSPX_common_key COMMON_KEY | Value of the common key field. | |

Table C.14: COMMON KEY REFRESH message

| Name/Type | Comments | Value |
|------------|---------------------------|-------|
| TSPX_nonce | Value of the nonce field. | |
| NONCE | | |

Table C.15: INFO message

| Name/Type | Comments | Value |
|---------------------|---|-------|
| TSPX_cl_data | Value of the cl data field. | |
| CL_DATA | | |
| TSPX_dlc_attributes | Value of the dlc attributes field. | |
| DLC_ATTRIBUTES | | |
| TSPX_cl_atm_data | Content of the cl data field in case of atm | |
| CL_DATA | uni SSCS. | |
| TSPX_cl_atm_hn_data | Content of the cl data field in case of | |
| CL_DATA | network handover for atm uni SSCS. | |
| TSPX_cl_eth_data | Content of the cl data field in case of | |
| CL_DATA | Ethernet SSCS. | |
| TSPX_cl_eth_hn_data | Content of the cl data field in case of | |
| CL_DATA | network handover for Ethernet SSCS. | |

Table C.16: TRANS_CC_DATA message

| Name/Type | Comments | Value |
|--------------|--|-------|
| TSPX_ext_ind | Value of the ext_ind field for CC | |
| EXT_IND | responsibility handover testing in case of | |
| | home extension. | |
| TSPX_data | Value of the data field for CC | |
| DATA | responsibility handover testing in case of | |
| | home extension. | |

Table C.17: DM Power Control message

| Name/Type | Comments | Value |
|------------------|-------------------------------|-------|
| TSPX_dm_duc_type | Content of dm_duc_type field. | |
| DM_DUC_TYPE | | |
| TSPX_wt_tx_level | Content of wt_tx_level field. | |
| WT_TX_LEVEL | | |
| TSPX_adjust_tx | Content of adjust_tx field. | |
| ADJUST_TX | | |

Table C.18: Setup message

| Name/Type | Comments | Value |
|---------------------|----------------------------------|-------|
| TSPX_cl_id | Content of Cl_Id field. | |
| CL_ID | | |
| TSPX_duc_ext_ind | Content of duc_ext_ind field. | |
| DUC_EXT_IND | | |
| TSPX_cl_attr_lgth | Content of cl_attr_lgth field. | |
| INTEGER | | |
| TSPX_duc_descr_list | Content of duc_descr_list field. | |
| DUC DESCR LIST | | |

Table C.19: DM_Setup message

| Name/Type | Comments | Value |
|---------------------|----------------------------------|-------|
| TSPX_peer_mac_id | Content of perr_mac_id field. | |
| MAC_ID | | |
| TSPX_cl_common_attr | Content of cl_common_attr field. | |
| CL_COMMON_ATTR | | |

Table C.20: DM MC Setup message

| Name/Type | Comments | Value |
|------------------------------------|-------------------------------------|-------|
| TSPX_extension_type EXTENSION_TYPE | Content of extension_type field. | |
| TSPX_min_req_receivers INTEGER | Content of min_req_receivers field. | |

Table C.21: Modify Req message

| Name/Type | Comments | Value |
|----------------------|----------------------------------|-------|
| TSPX_duc_ext_ind2 | Content of duc_descr_ind field. | |
| DUC_EXT_IND | | |
| TSPX_cl_attr_lgth2 | Content of cl_attr_lgth field. | |
| INTEGER | | |
| TSPX_duc_descr_list2 | Content of duc_descr_list field. | |
| DUC_DESCR_LIST | | |

Table C.22: DM Modify Req message

| Name/Type | Comments | Value |
|--|----------------------------------|-------|
| TSPX_cl_attr_lgth3 INTEGER | Content of cl_attr_lgth field. | |
| TSPX_duc_descr_list3 DUC_DESCR_LIST | Content of duc_descr_list field. | |

Table C.23: DM MC Modify Req message

| Name/Type | Comments | Value |
|----------------------|-----------------------------------|-------|
| TSPX_cl_attr_lgth4 | Content of cl_attr_lgth field. | |
| INTEGER | | |
| TSPX_start_mac_frame | Content of start_mac_frame field. | |
| START_MAC_FRAME | | |
| TSPX_duc_descr_list4 | Content of duc_descr_list field. | |
| DUC_DESCR_LIST | | |

Table C.24: GROUP_JOIN message

| Name/Type | Comments | Value |
|-------------------------------|-----------------------------------|-------|
| | Value of the encryption algorithm | |
| ENCRYPTION_ALGORITHM_PROPOSAL | proposal field. | |
| TSPX_cl_data2 | Value of the cl data field. | |
| CL_DATA | | ļ. |

Table C.25: GROUP_JOIN message for home extension

| Name/Type | Comments | Value |
|-------------------------------|-------------------------------------|-------|
| TSPX_encryption_prop_HE | Value of the encryption algorithm | |
| ENCRYPTION_ALGORITHM_PROPOSAL | proposal field for home extension | |
| | testing. | |
| TSPX_cl_data_HE | Value of the cl data field for home | |
| CL_DATA | extension testing. | |

Table C.26: GROUP_JOIN message for 1 394 bridge

| Name/Type | Comments | Value |
|-------------------------------|-----------------------------------|-------|
| TSPX_encryption_proposal_1394 | Value of the encryption algorithm | |
| ENCRYPTION_ALGORITHM_PROPOSAL | proposal field for 1 394 bridge | |
| | testing. | |
| TSPX_cl_data_1394 | Value of cl data field for 1 394 | |
| CL_DATA_1394 | bridge testing. | |

Table C.27: GROUP_JOIN message for the forwarding clock mc group

| Name/Type | Comments | Value |
|---|--|-------|
| TSPX_encryption_proposal_1394_fw ENCRYPTION_ALGORITHM_PROPOSAL | Value of the encryption algorithm proposal field for the forwarding clock mc group in case of 1 394 testing. | |
| TSPX_cl_data_1394_fw CL_DATA_1394 | Value of cl data field for the forwarding clock mc group in case of 1394 testing. | |

Table C.28: CL_BROADCAST_JOIN message

| Name/Type | Comments | Value |
|-------------------------------|-----------------------------------|-------|
| TSPX_encryption_proposal2 | Value of the encryption algorithm | |
| ENCRYPTION_ALGORITHM_PROPOSAL | proposal field. | |
| TSPX_cl_data3 | Value of the cl data field. | |
| CL_DATA | | |

Table C.29: DFS_MT_INIT_REPORT_REQUEST message

| Name/Type | Comments | Value |
|-------------------------------|--------------------------------------|-------|
| TSPX_measurement_type | Value of the measurement_type field. | |
| MEASUREMENT_TYPE | | |
| TSPX_frequency_index | Content of frequency_index field. | |
| FREQUENCY_INDEX | · | |
| TSPX_adjacent_ch_interference | Content of adjacent_ch_interference | |
| ADJACENT_CH_INTERFERENCE | field. | |

Table C.30: DFS_MEASUREMENT_REQUEST message

| Name/Type | Comments | Value |
|-------------------------------------|--|-------|
| TSPX_frequency_index_2 | Value of the frequency_index field for | |
| FREQUENCY_INDEX | message of type complete, | |
| | percentiles or short. | |
| TSPX_use_omni_antenna | Value of the use_omni_antenna field | |
| USE_OMNI_ANTENNA | for message of type complete, | |
| | percentiles or short. | |
| TSPX_start_of_measurement | Value of the start_of_measurement | |
| START_OF_MEASUREMENT | field for message of type complete, | |
| | percentiles or short. | |
| TSPX_measurement_window | Value of the measurement_window | |
| MEASUREMENT_WINDOW | field for message of type complete, | |
| | percentiles or short. | |
| TSPX_maximum_age_of_bch_measurement | Value of the | |
| MAXIMUM_AGE_OF_BCH_MEASUREMENT | maximum_age_of_bch_mea | |
| | surement field for message of type | |
| | complete or short. | |
| TSPX_rss_index_list | Value of the rss_index_list field for | |
| RSS_INDEX_LIST | message of type complete. | |
| TSPX_length_of_measurement | Value of the length_of_measurement | |
| NUMBER_OF_SAMPLES | field for message of type short. | |

Table C.31: Calibration_measurement_trigger message

| Name/Type | Comments | Value |
|-------------------|--|-------|
| TSPX_trigger_type | Value of the trigger_type field for | |
| TRIGGER_TYPE | message of type complete. | |
| TSPX_mac_ids | Value of the mac_ids field for message | |
| MAC_IDS | of type complete. | |

Table C.32: Sleep message

| Name/Type | Comments | Value |
|---|---------------------------------------|-------|
| TSPX_sleep_group SLEEP_GROUP | Value of the sleep_group field. | |
| TSPX_care_of_broadcast CARE_OF_BROADCAST | Value of the care_of_broadcast field. | |

Table C.33: MT_ALIVE_REQUEST message

| Name/Type | Comments | Value |
|------------------------|---------------------------------------|-------|
| TSPX_mt_alive_interval | Value of the mt_alive_interval field. | |
| MT_ALIVE_INTERVAL | | |

Table C.34: HO INFO DISTRIBUTION message

| Name/Type | Comments | Value |
|------------------------------------|------------------------------|-------|
| TSPX_token TOKEN | Content of TOKEN field. | |
| TSPX_token_auth MT_TOKEN_AUTH_ENCR | Content of TOKEN_AUTH field. | |

Table C.35: BUS_SUSPEND information element

| Name/Type | Comments | Value |
|----------------|--|-------|
| TSPX_bs_length | Content of length field in cl_attributes for | |
| INTEGER | IEEE 1394 SSCS. | |
| TSPX_bs_info | Content of information field in | |
| OCTETSTRING | cl_attributes for IEEE 1394 SSCS. | |

Table C.36: BUS_RESUME information element

| Name/Type | Comments | Value |
|----------------------------|---|-------|
| TSPX_br_length | Content of length field in cl_attributes for | |
| INTEGER | IEEE 1394 SSCS. | |
| TSPX_br_info | Content of information field in | |
| OCTETSTRING | cl_attributes for IEEE 1394 SSCS. | |
| TSPX_br2_length INTEGER | Content of length field in cl_attributes for IEEE 1394 SSCS. The resulting information element shall be different | |
| | from the first one. | |
| TSPX_br2_info | Content of information field in | |
| OCTETSTRING | cl_attributes for IEEE 1394 SSCS. The | |
| | resulting information element shall be | |
| | different from the first one. | |

Table C.37: Parameter for ARQ testing

| Name/Type | Comments | Value |
|------------------|---|-------|
| TSPX_window_size | Value of the window size used for testing | |
| INTEGER | the DUC connection (shall be small, | |
| | i.e. 32). | |

Table C.38: Cell convergence layer configuration parameters

| Name/Type | Comments | Value |
|-----------------|---|-------|
| TSPX_cl_tag | CL_tag for Cell common part | |
| B_8 | convergence layer. | |
| TSPX_cl_tag_2 | Second CL_tag for Cell common part | |
| B_8 | convergence layer corresponding to the | |
| | same DLCC_ID as TSPX_cl_tag (second | |
| | VCI, VPI). | |
| TSPX_cl_tag_3 | Third CL_tag for Cell common part | |
| B_8 | convergence layer corresponding to the | |
| | same DLCC_ID as TSPX_cl_tag (third | |
| | VCI, VPI). | |
| TSPX_cl_tag_not | CL_tag for Cell common part | |
| B_8 | convergence layer in case of a non- | |
| | configured mapping for the DUC_ID | |
| | (MAC_ID, DLCC_ID) and the CL_Tag. | |
| TSPX_pt | Payload type for Cell common part | |
| B_3 | convergence layer. | |
| TSPX_clp | Cell loss priority bit for Cell common part | |
| B_1 | convergence layer. | |

Table C.39: Implementation options

| Name/Type | Comments | Value |
|-------------------------|---|-------|
| TSPX_IEEE | TRUE if the IUT support the IEEE MT | |
| BOOLEAN | authentication. | |
| TSPX_ext_IEEE | TRUE if the IUT support the Extended | |
| BOOLEAN | IEEE MT authentication. | |
| TSPX_net_acc_id | TRUE if the IUT support the Net. Acc. Id. | |
| BOOLEAN | MT authentication. | |
| TSPX_compressed | TRUE if the IUT support the | |
| BOOLEAN | Compressed MT authentication. | |
| TSPX_generic | TRUE if the IUT support the Generic MT | |
| BOOLEAN | authentication. | |
| TSPX_distinguished_name | TRUE if the IUT support the | |
| BOOLEAN | distinguished name MT authentication. | |
| TSPX_pre_shared | RUE if the IUT support the Pre. shared | |
| BOOLEAN | AP authentication. | |
| TSPX_RSA_512 | TRUE if the IUT support the | |
| BOOLEAN | RSA_signature_512 AP authentication. | |
| TSPX_RSA_768 | TRUE if the IUT support the | |
| BOOLEAN | RSA_signature_768 AP authentication. | |
| TSPX_RSA_1024 | TRUE if the IUT support the | |
| BOOLEAN | RSA_signature_1024 AP authentication. | |
| TSPX_direct_mode | TRUE if the IUT support the Direct Mode | |
| BOOLEAN | Option. | |
| TSPX_disa_pwr_off | TRUE if the IUT support the | |
| BOOLEAN | Disassociation process at power off. | |

Annex D (normative): PCTR Proforma for H/2 RLC MT

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the PCTR proforma in this annex so that it can be used for its intended purposes and may further publish the completed PCTR.

The PCTR proforma is based on ISO/IEC 9646-6. Any needed additional information can be found in this document.

D.1 Identification summary

D.1.1 Protocol conformance test report

Table D.1

| PCTR Number | |
|--------------------------------|--|
| PCTR Date | |
| Corresponding SCTR Number | |
| Corresponding SCTR Date | |
| Test Laboratory Identification | |
| Test Laboratory Manager | |
| Signature | |

D.1.2 IUT identification

Table D.2

| Name | |
|------------------------|--|
| Version | |
| Protocol specification | |
| PICS | |
| Previous PCTR if any | |

Testing environment D.1.3

Table D.3

| PIXIT Number | |
|-------------------------------------|---|
| ATS Specification | |
| Abstract Test Method | Remote test method, Embedded variant with notional UT |
| Means of Testing identification | |
| Date of testing | |
| Conformance Log reference(s) | |
| Retention Date for Log reference(s) | |
| I. | |

| D.1.4 Limits and reservation |
|---|
| Additional information relevant to the technical contents or further use of the test report, or the rights and obligations of the test laboratory and the client, may be given here. Such information may include restriction on the publication of the report. |
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| D.1.5 Comments Additional comments may be given by either the client or the test laboratory on any of the contents of the PCTR, for example, to note disagreement between the two parties. |
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IUT Conformance status

This IUT has or has not been shown by conformance assessment to be non conforming to the specified protocol specification.

Strike the appropriate words in this sentence. If the PICS for this IUT is consistent with the static conformance requirements (as specified in clause D.3) and there are no "FAIL" verdicts to be recorded (in clause D.6) strike the words "has or", otherwise strike the words "or has not".

D.3 Static conformance summary

The PICS for this IUT is or is not consistent with the static conformance requirements in the specified protocol.

Strike the appropriate words in this sentence.

D.4 Dynamic conformance summary

| The test can | npaign did or did not reveal errors in the IUT. |
|--------------|---|
| | opropriate words in this sentence. If there are no "FAIL" verdicts to be recorded (in clause D.6) strike the or" otherwise strike the words "or did not". |
| Summary of | the results of groups of test: |
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| D.5 | Static conformance review report |
| | 3 indicates non-conformance, this clause itemises the mismatches between the PICS and the static e requirements of the specified protocol specification. |
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D.6 Test campaign report

Table D.4

| ATS Reference | Selected? | Run? | Verdict | Observations (Reference to any observations made in clause D.7) |
|---------------------|-----------|--------|---------|---|
| TP-MT-LCP-TC-CA-000 | Yes/No | Yes/No | | |
| TP-MT-LCP-PC-CA-000 | Yes/No | Yes/No | | |
| TP-MT-LCP-PC-CA-001 | Yes/No | Yes/No | | |
| TP-MT-LCP-PC-CA-002 | Yes/No | Yes/No | | |
| TP-MT-LCP-PC-CA-003 | Yes/No | Yes/No | | |
| TP-MT-LCP-PC-CA-004 | Yes/No | Yes/No | | |
| TP-MT-LCP-LQ-CA-000 | Yes/No | Yes/No | | |
| TP-MT-LCP-LQ-CA-001 | Yes/No | Yes/No | | |
| TP-MT-LCP-LQ-CA-002 | Yes/No | Yes/No | | |
| TP-MT-LCP-DC-CA-000 | Yes/No | Yes/No | | |
| TP-MT-LCP-DC-CA-001 | Yes/No | Yes/No | | |
| TP-MT-LCP-DC-CA-002 | Yes/No | Yes/No | | |
| TP-MT-LCP-DC-CA-003 | Yes/No | Yes/No | | |
| TP-MT-LCP-DC-CA-004 | Yes/No | Yes/No | | |
| TP-MT-LCP-DC-CA-005 | Yes/No | Yes/No | | |
| TP-MT-LCP-DC-CA-006 | Yes/No | Yes/No | | |
| TP-MT-LCP-AK-CA-000 | Yes/No | Yes/No | | |
| TP-MT-LCP-AK-CA-001 | Yes/No | Yes/No | | |
| TP-MT-LCP-AK-CA-002 | Yes/No | Yes/No | | |

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| D.7 | ONSEI | rvations |

| Additional information relevant to the technical content of the PCTR is given here. | |
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Annex E (normative): PCTR Proforma for H/2 RLC AP

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the PCTR proforma in this annex so that it can be used for its intended purposes and may further publish the completed PCTR.

The PCTR proforma is based on ISO/IEC 9646-6. Any needed additional information can be found in this document.

E.1 Identification summary

E.1.1 Protocol conformance test report

Table E.1

| PCTR Number | |
|--------------------------------|--|
| PCTR Date | |
| Corresponding SCTR Number | |
| Corresponding SCTR Date | |
| Test Laboratory Identification | |
| Test Laboratory Manager | |
| Signature | |

E.1.2 IUT identification

Table E.2

| Name | |
|------------------------|--|
| Version | |
| Protocol specification | |
| PICS | |
| Previous PCTR if any | |
| Previous PCTR if any | |

E.1.3 Testing environment

Table E.3

| PIXIT Number | |
|-------------------------------------|---|
| ATS Specification | |
| Abstract Test Method | Remote test method, Embedded variant with notional UT |
| Means of Testing identification | |
| Date of testing | |
| Conformance Log reference(s) | |
| Retention Date for Log reference(s) | |
| | |

E.1.4 Limits and reservation

| L. 1.4 LIIIIII and 1656 valion |
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| Additional information relevant to the technical contents or further use of the test report, or the rights and obligations of the test laboratory and the client, may be given here. Such information may include restriction on the publication of the report. |
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| E.1.5 Comments Additional comments may be given by either the client or the test laboratory on any of the contents of the PCTR, for example, to note disagreement between the two parties. |
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E.2 IUT Conformance status

This IUT has or has not been shown by conformance assessment to be non conforming to the specified protocol specification.

Strike the appropriate words in this sentence. If the PICS for this IUT is consistent with the static conformance requirements (as specified in clause D.3) and there are no "FAIL" verdicts to be recorded (in clause D.6) strike the words "has or", otherwise strike the words "or has not".

E.3 Static conformance summary

The PICS for this IUT is or is not consistent with the static conformance requirements in the specified protocol.

Strike the appropriate words in this sentence.

E.4 Dynamic conformance summary

| The test campaign did or did not reveal errors in the IUT. |
|--|
| Strike the appropriate words in this sentence. If there are no "FAIL" verdicts to be recorded (in clause D.6) strike the words "did or" otherwise strike the words "or did not". |
| Summary of the results of groups of test: |
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| E.5 Static conformance review report |
| If clause D.3 indicates non-conformance, this clause itemises the mismatches between the PICS and the static conformance requirements of the specified protocol specification. |
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E.6 Test campaign report

Table E.4

| ATS Reference | Selected? | Run? | Verdict | Observations (Reference to any observations made in clause E.7) |
|---------------------|-----------|--------|---------|---|
| TP-AP-LCP-TC-CA-000 | Yes/No | Yes/No | | |
| TP-AP-LCP-LQ-CA-000 | Yes/No | Yes/No | | |
| TP-AP-LCP-LQ-CA-001 | Yes/No | Yes/No | | |
| TP-AP-LCP-LQ-CA-002 | Yes/No | Yes/No | | |
| TP-AP-LCP-LQ-CA-003 | Yes/No | Yes/No | | |
| TP-AP-LCP-LQ-CA-004 | Yes/No | Yes/No | | |
| TP-AP-LCP-LQ-CA-005 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-000 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-001 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-002 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-003 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-004 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-005 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-006 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-007 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-008 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-009 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-010 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-011 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-012 | Yes/No | Yes/No | | |
| TP-AP-LCP-DC-CA-013 | Yes/No | Yes/No | | |
| TP-AP-LCP-DS-CA-000 | Yes/No | Yes/No | | |
| TP-AP-LCP-DS-CA-001 | Yes/No | Yes/No | | |
| TP-AP-LCP-CH-CA-000 | Yes/No | Yes/No | | |
| TP-AP-LCP-CH-CA-001 | Yes/No | Yes/No | | |
| TP-AP-LCP-CH-CA-002 | Yes/No | Yes/No | | |
| TP-AP-LCP-CH-CA-003 | Yes/No | Yes/No | | |
| TP-AP-LCP-CH-CA-004 | Yes/No | Yes/No | | |
| TP-AP-LCP-CH-CA-005 | Yes/No | Yes/No | | |
| TP-AP-LCP-CH-CA-006 | Yes/No | Yes/No | | |
| TP-AP-LCP-AK-CA-000 | Yes/No | Yes/No | | |
| TP-AP-LCP-AK-CA-001 | Yes/No | Yes/No | | |

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| Additional information relevant to the technical content of the PCTR is given here. | | |
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History

| Document history | | | | |
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