**RT-CI-01**

**7 February 2024**

**Background**

This document contains the reference table of ITU-T Recommendations to be used for conformity/interoperability assessment which was updated based on inputs provided.

According to SG11 C&I Action Plan ([SG11-TD507/GEN](https://www.itu.int/md/T22-SG11-230510-TD-GEN-0507/en), May 2023):

*“The Reference Table lists ITU-T Recommendations to be tested for conformity/interoperability including references to the applicable test suites (ITU and/or other A.5 qualified SDOs). The Reference Table provides guidance when populating the ITU Conformity Product Database (*[*https://itu.int/go/tcdb*](https://itu.int/go/tcdb)*) especially for ICT products tested against ITU-T Recommendations using test specifications developed by external SDOs.”*

This document is maintained by TSB according to SG11 C&I Action Plan ([SG11-TD507/GEN](https://www.itu.int/md/T22-SG11-230510-TD-GEN-0507/en), May 2023).

**Working methods**

According to SG11 C&I Action Plan ([SG11-TD507/GEN](https://www.itu.int/md/T22-SG11-230510-TD-GEN-0507/en), May 2023):

*“…*

*TSB secretariat is requested to maintain the reference table and list of pilot projects based on received inputs from respective SGs.*

*The updates can be provided to TSB secretariat either via mailbox* [*conformity@itu.int*](mailto:conformity@itu.int) *or via liaison statements addressed to SG11. TSB can update reference table and list of pilot projects without SG11 consideration and approval.*

*In case TSB receives request for registering ICT products in ITU Product Conformity Database which application refers to the test specifications developed by A.5 qualified SDOs, which are not listed in the current version of the Reference Table, TSB needs to inform respective SG on its plan to add reference to such test specification in the Reference table accordingly. The relevant SG or its management may provide their comments to TSB directly within particular highlighted timeframe.*

*…”*

**Status**

This version of the reference table is based on the [SG11-TD508/GEN](https://www.itu.int/md/T22-SG11-230510-TD-GEN-0508/en) (May 2023) and includes some updates provided by SG15 ([SG11-TD62/WP3](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-SG11-240207-TD-WP3-0062)).

**Reference Table of ITU-T Recommendations to be used for conformity/interoperability assessment**

**Template.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ITU-T Rec.** | **Suitability for testing** | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| **Conformity** | **Interoperability** |
| Add a Recommendation for which testing is requested | Indicate [Y/N] if Recommendation can be used for conformity assessment | Indicate [Y/N] if Recommendation can be used for interoperability testing | List parameters to be tested | Indicate [Y/N] if test suites are available in ITU-T Recommendations or other ITU-T publications (Supplement, Technical Paper, etc.) | Indicate [Y/N] if test suites on testing against this ITU-T Recommendation is developed by A.5 qualified SDO | Indicate ITU-T Recommendation or standard of A.5 qualified SDO, which define test specifications against this particular Recommendation (including hyperlinks, if available) | In case no test specifications available for this particular Recommendation, specify SDO which may develop them (ITU-T SGs or A.5 qualified SDOs) |

**Study Group 2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ITU-T Rec.** | **Suitability for testing** | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| **Conformity** | **Interoperability** |
| M.3170-series (  M.3170.0  M.3170.1  M.3170.2  M.3170.3) | Y | Y | Interoperability  Functionality | Y | Y | 1. ITU-T M.3170.4: Multi-technology network management – Conformance testing specification. 2. TMF814A MTNM Implementation Statement R4.5 | ITU-T SG2  / TMForum |

**Study Group 5**

| **ITU-T Rec.** | **Suitability for testing** | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Conformity** | **Interoperability** |
| K.20 |  | Y | For K.20: Telcom centre equipment surge and power fault resistibility | Y | N |  |  |
| K.21 |  | Y | Customer premises equipment surge and power fault resistibility | Y | N |  |  |
| K.45 |  | Y | For K.45: Access and trunk network equipment surge and power fault resistibility | Y | N |  |  |
| K.44 |  | Called up by K.20, K.21 and K.45 | For K.44: Telecommunication equipment surge and power fault resistibility |  |  |  |  |
| K.12 |  | Y | Parameters of gas discharge tubes for the protection of telecommunications installations | Y | N |  |  |
| K.28 |  | Y | Parameters of thyristor-based surge protective devices for the protection of telecommunication installations | Y | N |  |  |
| K.55 |  | Y | Overvoltage and overcurrent parameters of insulation displacement connectors (IDC) terminations | Y | N |  |  |
| K.65 |  | Y | Overvoltage and overcurrent parameters of termination modules with contacts for test ports or surge protective devices | Y | N |  |  |
| K.77 |  | Y | Parameters of metal oxide varistors for the protection of telecommunication installations | Y | N |  |  |
| K.82 |  | Y | Characteristics and ratings of solid-state, self-restoring overcurrent protectors for the protection of telecommunications installations | Y | N |  |  |
| K.114 | Y |  | Electromagnetic compatibility requirements and measurement methods for digital cellular mobile communication base station equipment | Y | Y |  |  |
| K.116 | Y |  | Electromagnetic compatibility requirements and test methods for radio telecommunication terminal equipment | Y | Y |  |  |
| K.123 | Y |  | Electromagnetic compatibility requirements for electrical equipment in telecommunication facilities | Y | Y |  |  |
| K.136 | Y |  | Electromagnetic compatibility requirements for radio telecommunication equipment | Y | Y |  |  |
| K.137 | Y |  | Electromagnetic compatibility requirements and measurement methods for wireline telecommunication network equipment | Y | Y |  |  |
| L.1000 | Y | Y | Conformity of mobile universal charger solutions | Y | N | L.1005 |  |
| L.1001 | Y | Y | Conformity of universal charger solutions for stationary information and communication technology devices | Y |  | L.1006 |  |
| L.1002 | Y | Y | Conformity of universal charger solutions for portable information and communication technology devices | Y |  | L.1007 |  |
| L.1200 | [Y] | [N] | -Voltage range (normal, abnormal)  -Voltage variations;  -voltage dips  -voltage interruptions  -voltage surges/transients  -inrush current | [N] | Unknown, maybe Emerge Alliance Specification |  | SGs or external bodies tbd |

**Study Group 9**

| **ITU-T Rec.** | **Suitability for testing** | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Conformity** | **Interoperability** |
| Digital transmission of television signals (J.80, J.180, J.280, J.380 series) | | | | | |  |  |
| J.83 | Y | Y |  | Y | Y 1) |  |  |
| J.288 | Y | Y |  | N | Y 4) |  |  |
| J.382 | Y | Y |  | N | Y | DVB Document A147 |  |
| J.383 | Y | Y |  | N | N |  |  |
| Interactive systems for digital TV distribution (J.110, J.210. J.220 series) | | | | | |  |  |
| J.112 | Y | Y |  | Y | Y 1) |  |  |
| J.122 | Y | Y |  | Y | Y 1) |  |  |
| J.125 | Y | Y |  | Y | Y 1) |  |  |
| J.126 | Y | Y |  | Y | Y 1) |  |  |
| J.128 | Y | Y |  | Y | Y 1) |  |  |
| J.210 | Y | Y |  | N | Y 1) |  |  |
| J.211 | Y | Y |  | N | Y 1) |  |  |
| J.212 | Y | Y |  | N | Y 1) |  |  |
| J.222.1 | Y | Y |  | N | Y 1) |  |  |
| J.222.2 | Y | Y |  | Y | Y 1) |  |  |
| J.222.3 | Y | Y |  | Y | Y 1) |  |  |
| J.223.1 | Y | Y |  | N | Y 1) |  |  |
| J.223.2 | Y | Y |  | N | Y 1) |  |  |
| J.224 | Y | Y |  | N | Y 1) |  |  |
| J.225 | Y | Y |  | N | Y 1) |  |  |
| J.213 | Y2) | Y2) |  | N | Y2) |  |  |
| J.214 | Y2) | Y2) |  | Y | Y2) |  |  |
| J.216 | Y | Y |  | N | Y 1) |  |  |
| J.218 | Y2) | Y2) |  | N | Y2) |  |  |
| Television and sound program transmission over IP networks (J.120 series) | | | | | |  |  |
| J.127 | Y | N |  | N | Y (ISO/IEC MPEG) |  | No [specify] |
| Transport f MPEG-2 signals on packetized Networks (J.130 series) | | | | | |  |  |
|  |  |  |  |  |  |  |  |
| Digital TV distribution through local subscriber networks ( J.150 series) | | | | | |  |  |
|  |  |  |  |  |  |  |  |
| IPCablecom (J.160, J.170, J.260, J.270 series) | | | | | |  |  |
| J.161 | Y | Y |  | Y | Y 1) |  |  |
| J.162 | Y | Y |  | Y | Y 1) |  |  |
| J.163 | Y | Y |  | N | Y 1) |  |  |
| J.164 | Y | Y |  | Y | Y 1) |  |  |
| J.166 | Y | Y |  | N | Y 1) |  |  |
| J.167 | Y | Y |  | N | Y 1) |  |  |
| J.170 | Y | Y |  | Y | Y 1) |  |  |
| J.171.0 | Y | Y |  | N | Y 1) |  |  |
| J.172 | Y | Y |  | Y | Y 1) |  |  |
| J.179 | Y | Y |  | Y | Y 1) |  |  |
| J.262 | Y | Y |  | N | N |  |  |
| J.263 | Y | Y |  | N | N |  |  |
| Set-Top Box and Home Networking (J.190, J.290, J.1200 series) | | | | | |  |  |
| J.191 | Y | Y |  | Y | Y 1) |  |  |
| J.192 | Y | Y |  | Y | Y 1) |  |  |
| J.199 | Y | Y |  | N | Y 1) |  |  |
| J.293 | Y2) | Y2) |  | Y | Y2) |  |  |
| J.295 | Y | Y |  | N | Y4) |  |  |
| J.296 | Y | Y |  | N | Y4) |  |  |
| J.298 | Y | Y |  | N | Y2) |  |  |
| J.204 | Y | Y |  | N | Y 1) |  |  |
| J.215 | Y | Y |  | N | Y 1) |  |  |
| J.1202 | Y | Y |  | N | Y5 |  |  |
| J.1203 | Y | Y |  | N | Y5 |  |  |
| J.1204 | Y | Y |  | N | Y5 |  |  |
| J.1205 | Y | Y |  | N | Y5 |  |  |
| Middleware and API (J.200 series) | | | | | |  |  |
| J.202 | Y | Y |  | Y | Y 1) for OCAP |  |  |
| IPCablecom2 (J.360, J.370, J.460 series) | | | | | |  |  |
| J.361 | Y | Y |  | Y | Y 1) |  |  |
| J.365 | Y | Y |  | Y | Y 1) |  |  |
| J.366.0 | Y | Y |  | Y | Y 1) |  |  |
| J.366.2 | Y | Y |  | Y | Y 1) |  |  |
| J.366.3 | Y | Y |  | Y | Y 1) |  |  |
| J.366.4 | Y | Y |  | Y | Y 1) |  |  |
| J.366.7 | Y | Y |  | Y | Y 1) |  |  |
| J.366.8 | Y | Y |  | Y | Y 1) |  |  |
| J.366.9 | Y | Y |  | Y | Y 1) |  |  |
| J.368 | Y | Y |  | Y | Y 1) |  |  |
| J.369 | Y | Y |  | Y | Y 1) |  |  |
| J.370 | Y | Y |  | Y | Y 1) |  |  |
| Transport of large Screen Digital Imagery (J.600 series) | | | | | |  |  |
| J.602 | Y | Y |  | N | N |  |  |
| Secondary distribution of IPTV services (J.700 series) | | | | | |  |  |
| J.702 | Y2) | Y2) |  | Y | Y2) |  |  |
| Multimedia over IP in cable (J.800 series) | | | | | |  |  |
|  |  |  |  |  |  |  |  |
| Transmission of 3-D TV services (J.900 series) | | | | | |  |  |
|  |  |  |  |  |  |  |  |
| Switched Digital Video over Cable Networks (J.1100-J.1119) | | | | | | | |
| J.1110 | Y | N |  | N | N |  |  |

Y1 ): Having been tested and certified by CableLabs (USA)

Y2 ): Not currently part of the certification/quality testing but could be the future

Y3): J.144 already includes output values expected to be produced by models for a large set of test sequences. Although the sequences themselves are not available, it is possible that some small subset of these sequences could be made available. This would then provide a set of test vectors with model output values against which conformance could be tested.

Y4 ): Having been tested and certified by Japan Cable Laboratories (Japan)

Y5 ): Having been tested and certified by Academic of Broadcasting Science, NRTA (China)

**Study Group 11**

| **ITU-T Rec.** | **Suitability for testing** | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Conformity** | **Interoperability** |
| Q.703 | Y | Y | MTP Level 2 (SS7) | Y | N | Q.781 | N |
| Q.704 | Y | Y | MTP Level 3 (SS7) | Y | N | Q.782 | N |
| Q.706 | Y | Y | The Level 3 performance aspects (SS7) | Y | N | Q.782 | N |
| Q.707 | Y | Y | MTP Level 3 (SS7) | Y | N | Q.782 | N |
| Q.721-Q.724 | Y | Y | Telephony User Part (TUP) (SS7) | Y | N | Q.783 | N |
| Q.761-Q.764 | Y | Y | Telephony User Part (TUP) (SS7) | Y | N | Q.784;  Q.784.1; Q.784.2; Q.784.3 | N |
| Q.767 | Y | Y | Application of ISUP (SS7) | Y | N | Q.784; Q.784.1; Q.784.2; Q.784.3 | N |
| Q.730 | Y | Y | ISUP for supplementary services (SS7) | Y | N | Q.785; Q.785.2 | N |
| Q.711-Q.714 | Y | Y | SCCP (SS7) | Y | N | Q.786 | N |
| Q.771-Q.774 | Y | Y | Transactions capabilities | Y | N | Q.787 | N |
| Q.784-Q.785 | Y | Y | UNI (SS7) | Y | N | Q.788 | N |
| Q.1912.5  Q.699 | Y | N |  | Y | Y | TS 186 002-1, TS 186 002-2, TS 186 002-3, TS 186 002-4, TS 186 002-5  Q.1912.5B, Q.1912.5C, Q.1912.5D, Q.1912.5E,  Q.1912.5F  Q.3941.1, Q.3941.2, Q.3941.3, Q.3941.4 | N |
| Q.3401 | Y | Y | NGN/IMS interconnection (NGN NNI) | Y | Y | TS 101 585  Q.3940 | N |
| Y.2012[[1]](#footnote-2) | Y | Y | The test suite of NGN functionality | Y | N | Q.3901 | N |
| Y | Y | The test suite of IMS functionality and services | Y | N | Q.3904 | N |
| Y | Y | The test suites of a functionality of a broadband access | Y | N | Q.3906.1 | N |
| Y | N | The first set of next generation network (NGN) services testing | Y | N | Q.3945 | N |
| Q.3403 | Y | N | SIP/SDP - Basic call: user side and the network side | Y | Y | Q.4001.1; Q.4001.2; Q.4001.3  ETSI TS 102790-1; ETSI TS 102790-2 ; ETSI TS 102790-3 | N |
| Q.3617 | Y | N | The test suites of the TIP and TIR services which are based on IMS | Y | Y | Q.3942.1; Q.3942.2; Q.3942.3 | N |
| Q.3618 | Y | N | The test suites of the OIP and OIR services which are based on IMS | Y | Y | Q.4002.1; Q.4002.2; Q.4002.3 | N |
| Q.3619 | Y | N | The test suites of the HOLD service which is based on IMS | Y | Y | Q.4003.1; Q.4003.2; Q.4003.3 | N |
| Q.3620 | Y | N | The test suites of the CDIV service which is based on IMS | Y | Y | Q.4004.1; Q.4004.2; Q.4004.3 | N |
| Q.3621 | Y | N | The test suites of the CONF service which is based on IMS | Y | Y | Q.4005.1; Q.4005.2; Q.4005.3 | N |
| Q.3622 | Y | N | The test suites of the CW service which is based on IMS | Y | Y | Q.4006.1; Q.4006.2; Q.4006.3 | N |
| Q.3623 | Y | N | The test suites of the ECT service which is based on IMS | Y | Y | Q.4007.1; Q.4007.2; Q.4007.3 | N |
| Q.3624 | Y | N | The test suites of the MCID service which is based on IMS | Y | Y | Q.4008.1; Q.4008.2; Q.4008.3 | N |
| Q.3625 | Y | N | The test suites of the CC service which is based on IMS | Y | Y | Q.4009.1; Q.4009.2 | N |
| Q.3626 | Y | N | The test suites of the MWI service which is based on IMS | Y | Y | Q.4010.1; Q.4010.2; Q.4010.3 | N |
| Q.3627 | Y | N | The test suites of the CUG service which is based on IMS | Y | Y | Q.4011.1; Q.4011.2; Q.4011.3 | N |
| Q.3628 | Y | N | The test suites of the ACR-CB service which is based on IMS | Y | Y | Q.4012.1; Q.4012.2; Q.4012.3 | N |
| Q.3629 | Y | Y | SIP/ISUP interworking | Y | Y | Q.4015.1; Q.4015.2 | N |
| Q.4016 | Y | N | SIP/SDP testing for FAX over IP | Y | Y | Q.4016 | N |
| TBD | Y | Y | Network integration testing between SIP and ISDN/PSTN network signalling protocols | Y | Y | Q.3941.1; Q.3941.5 | N |
| There are no requirements | Y | N | The test suite of SIP which are based on the RFC 3261 | Y | Y | ETSI TS 102 027 2 V4.1.1  Q.3946.2 | Y |
| TBD | N | N | The framework for testing VoIP services which are based on NGN | N | N | Q.3948 | N |
| TBD | N | N | The framework for testing a real-time multimedia services which are based on NGN | N | N | Q.3949 | N |

Note: additional ITU-T Recommendations which are to be used for conformance and Interoperability testing are listed below:

Q.3900 The framework of NGN testing (model network)

Q.3903 Formalized presentation of testing results

Q.3909 The framework and overview of NGN conformance and interoperability testing

Q.3950 Testing and model network architecture for tag-based identification systems and functions

X.290 OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – General concepts

X.291 OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Abstract test suite specification

X.292 OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – The Tree and Tabular Combined Notation (TTCN)

X.293 OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Test realization

X.294 OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Requirements on test laboratories and clients for the conformance assessment process

X.295 OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Protocol profile test specification

X.296 OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Implementation conformance statements

X.Sup4 ITU-T X.290-series – Supplement on generic approach to interoperability testing

X.Sup5 ITU-T X.290 series – Supplement on interoperability testing framework and methodology

**Study Group 12**

| **ITU-T Rec.** | **Suitability for testing** | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Conformity** | **Interoperability** |
| Measurement of the quality of service (J.140. J.240 series) | | | | | |  |  |
| J.144 | Y | N |  | Y3) | Y |  |  |
| J.242 | Y | N |  | N | N |  |  |
| J.244 | Y | N |  | N | N |  |  |
| J.246 | Y | N |  | N | N |  |  |
| J.247 | Y | N |  | N | N |  |  |
| J.248 | Y | N |  | N | N |  |  |
| J.249 | Y | N |  | N | N |  |  |
| J.340 | Y | N |  | N | N |  |  |
| J.341 | Y | N |  | N | N |  |  |
| J.342 | Y | N |  | N | N |  |  |
| P.931 | Y | N |  | N | N |  |  |

**Study Group 13**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ITU-T Rec.** | **Suitability for testing** | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| **Conformity** | **Interoperability** |
| Y.3172 | N | Y | Architecture mapping, placement of nodes | N | N | Not available | Opensource bodies |
| Y.3173 | Y | Y | Intelligence levels and related parameters | N | N | Not available | ITU |
| Y.3174 | Y | Y | API mappings | N | N | Not available | Opensource bodies |
| Y.3176 | Y | Y | Model metadata | N | Y | Opensource industry bodies, e.g. LF AI and data | Opensource bodies |
| Y.3179 | Y | Y | Model Optimization and deployment parameters | N | Y | Opensource industry bodies, e.g. LF AI and data | Opensource bodies |

**Study Group 15**

| **ITU-T Rec.** | **Suitability for testing** | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable Test Suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Conformity** | **Interoperability** |  |  |  |  |  |
| G.984 series | Y | Y |  | N | Y | [BBF TR-156 Issue 4](https://www.broadband-forum.org/technical/download/TR-156_Issue-4.pdf): System specifications [BBF TR-167 Issue 3](https://www.broadband-forum.org/technical/download/TR-167_Issue-3.pdf): System specifications  [BBF TP-247 Issue 4](https://www.broadband-forum.org/technical/download/TP-247_Issue-4.pdf): G-PON & XG-PON & XGS-PON ONU Conformance Test Plan  [BBF TR-255](https://www.broadband-forum.org/technical/download/TR-255.pdf): Interoperability testing  [BBF 247 G-PON Certification](https://www.broadband-forum.org/testing-and-certification-programs/bbf-247-gpon-onu-certification) [BBF TR-247/ATP-247](https://www.broadband-forum.org/download/TR-247_ATP-247.pdf): Abstract Test Plan for GPON ONU Conformance  [BBF TR-423 Issue 2](https://www.broadband-forum.org/technical/download/TR-423_Issue-2.pdf): PON PMD Layer Conformance Test Plan |  |
| Continuation of  G.984 series |  |  |  |  |  | CCSA standards :  - YD/T 2051-2009 4.9  - YD/T 2051-2009 4.3  - YD/T 2051-2009 4.6  - YD/T 2051-2009 4.14  - YD/T 2051-2009 5.4  - YD/T 2051-2009 5.1  - YD/T 1995-2009 5.3  - YD/T 1995-2009 7.1, 7.2  - YD/T 1995-2009 6  - YD/T 1995-2009 7.1  - YD/T 1995-2009 11  - YD/T 1995-2009 13  - YD/T 2044-2009 7.3.1  - YD/T 2044-2009 7.3.2  - YD/T 1995-2009 14.1  - YD/T 2757-2014 7.1, 7.3, 7.4 |  |
| G.985 | Y | Y |  | N | N |  |  |
| G.986 | Y | Y |  | N | N |  |  |
| G.987 series | Y | Y |  | N | Y | Same as G.984 and  [BBF TR-309 Issue 2](https://www.broadband-forum.org/technical/download/TR-309_Issue-2.pdf) [BBF TR-309 Issue 2 Amd 1](https://www.broadband-forum.org/technical/download/TR-309_Issue-2_Amendment-1.pdf): XG-PON and XGS-PON TC Layer Interoperability Test Plan |  |
| G.988 | Y | Y |  | N | Y | Same as G.984 |  |
| G.989 series | Y | Y |  | N | Y | [BBF TR-426](https://www.broadband-forum.org/technical/download/TR-426.pdf): NG-PON2 TC Layer Interoperability Test Plan |  |
| G.9804 series | Y | Y |  | N | N | In preparation, BBF reference expected in Q1 2024 | BBF |
| G.9806 | Y | Y |  | N | N |  |  |
| G.9807.1 | Y | Y |  | N | Y | Same as G.984 and  [BBF TR-309 Issue 2](https://www.broadband-forum.org/technical/download/TR-309_Issue-2.pdf) [BBF TR-309 Issue 2 Amd 1](https://www.broadband-forum.org/technical/download/TR-309_Issue-2_Amendment-1.pdf): XG-PON and XGS-PON TC Layer Interoperability Test Plan |  |
| G.991.2 | N | Y | Interoperability  Performance | N | Y | [BBF TR-060 Issue 2](http://www.broadband-forum.org/technical/download/TR-060_Issue-2.pdf) |  |
| G.992.1 | N | Y | Interoperability  Performance | N | Y | [BBF TR-067 Issue 2](https://www.broadband-forum.org/technical/download/TR-067_Issue-2.pdf) |  |
| G.992.2 | N | Y |  | N | N |  |  |
| G.992.3 | N | Y | Interoperability  Performance  Functionality | N | Y | [BBF TR-100 Issue 3](https://www.broadband-forum.org/technical/download/TR-100_Issue-3.pdf)  [BBF TR-100 Issue 3 Amd 1](https://www.broadband-forum.org/technical/download/TR-100_Issue-3_Amendment-1.pdf)  [BBF TR-105 Issue 2](http://www.broadband-forum.org/technical/download/TR-105_Issue-2.pdf) [BBF TR-105 Issue 2 Amd 1](http://www.broadband-forum.org/technical/download/TR-105_Issue-2_Amendment-1.pdf)  [BBF TR-105 Issue 2 Amd 2](http://www.broadband-forum.org/technical/download/TR-105_Issue-2_Amendment-2.pdf)  [BBF TR-138](http://www.broadband-forum.org/technical/download/TR-138.pdf)  [BBF TR-138 Cor 1](http://www.broadband-forum.org/technical/download/TR-138_Corrigendum-1.pdf)  [BBF TR-138 Amd 1](https://www.broadband-forum.org/technical/download/TR-138_Amendment-1.pdf) |  |
| G.992.4 | N | Y |  | N | N |  |  |
| G.992.5 | N | Y | Interoperability  Performance  Functionality | N | Y | See G.992.3 |  |
| G.993.1 | N | Y |  | N | N |  |  |
| G.993.2 | N | Y | Interoperability  Performance  Functionality | N | Y | [BBF TR-114 Issue 3](https://www.broadband-forum.org/technical/download/TR-114_Issue-3.zip)  [BBF TR-114 Issue 3 Amd 1](https://www.broadband-forum.org/technical/download/TR-114_Issue-3_Amendment-1.pdf)  [BBF TR-114 Issue 3 Amd 2](https://www.broadband-forum.org/technical/download/TR-114_Issue-3_Amendment-2.pdf)  [BBF TR-114 Issue-3 Amd 3](https://www.broadband-forum.org/technical/download/TR-114_Issue-3_Amendment-3.pdf)  [BBF TR-114 Issue 3 Amd 4](https://www.broadband-forum.org/technical/download/TR-114_Issue-3_Amendment-4.pdf)  [BBF TR-115 Issue 3](https://www.broadband-forum.org/technical/download/TR-115_Issue-3.zip) [BBF TR-115 Issue 3 Amd 1](https://www.broadband-forum.org/technical/download/TR-115_Issue-3_Amendment-1.pdf)  [BBF TR-115 Issue-3 Amd 2](https://www.broadband-forum.org/technical/download/TR-115_Issue-3_Amendment-2.pdf)  [BBF TR-138](http://www.broadband-forum.org/technical/download/TR-138.pdf)  [BBF TR-138 Cor 1](http://www.broadband-forum.org/technical/download/TR-138_Corrigendum-1.pdf)  [BBF TR-138 Amd 1](https://www.broadband-forum.org/technical/download/TR-138_Amendment-1.pdf) |  |
| G.993.5 | N | Y | Interoperability  Performance  Functionality | N | Y | See G.993.2 |  |
| G.995.2 | N | Y |  | N | N |  |  |
| G.996.1 | N | N |  | N | N |  |  |
| G.996.2 | N | Y | Performance  Functionality | N | Y | [BBF TR-138](http://www.broadband-forum.org/technical/download/TR-138.pdf)  [BBF TR-138 Cor 1](http://www.broadband-forum.org/technical/download/TR-138_Corrigendum-1.pdf)  [BBF TR-138 Amd 1](https://www.broadband-forum.org/technical/download/TR-138_Amendment-1.pdf)  [BBF TR-286](http://www.broadband-forum.org/technical/download/TR-286.pdf)  [BBF TR-286 Amd 1](https://www.broadband-forum.org/technical/download/TR-286_Amendment-1.pdf) |  |
| G.997.1 | N | Y | Functionality | N | Y | Included in the BBF TRs for testing of G.992.1, G.992.3, G.992.5, G.993.2, and G.993.5. |  |
| G.997.2 | N | Y | Functionality | N | Y | Included in the BBF TP-337 Issue 3 testing of G.9700 and G.9701 |  |
| G.997.3 | N | Y | Functionality | N | N |  | BBF |
| G.998.1 | N | Y | Interoperability  Performance | N | Y | [BBF TR-273](http://www.broadband-forum.org/technical/download/TR-273.pdf)  [BBF TR-273 Cor 1](https://www.broadband-forum.org/technical/download/TR-273_Corrigendum-1.pdf)  [BBF TR-273 Amd 1](https://www.broadband-forum.org/technical/download/TR-273_Issue-1_Amendment-1.pdf) |  |
| G.998.2 | N | Y | Interoperability  Performance | N | Y | [BBF TR-273](http://www.broadband-forum.org/technical/download/TR-273.pdf)  [BBF TR-273 Cor 1](https://www.broadband-forum.org/technical/download/TR-273_Corrigendum-1.pdf)  [BBF TR-273 Amd 1](https://www.broadband-forum.org/technical/download/TR-273_Issue-1_Amendment-1.pdf) |  |
| G.998.3 | N | Y |  | N | N |  |  |
| G.998.4 | N | Y | Interoperability  Performance  Functionality | N | Y | Included in the BBF TRs for testing of G.992.3, G.992.5, G.993.2, and G.993.5. |  |
| G.999.1 | N | N |  | N | N |  |  |
| G.9700 | Y | Y | Interoperability  Performance  Functionality  Certification | N | Y | [BBF TP-337 Issue 4](https://www.broadband-forum.org/technical/download/TP-337_Issue-4.pdf): G.fast Certification Test Plan  [BBF TP-337 Issue 4 Cor 1](https://www.broadband-forum.org/technical/download/TP-337_Issue-4_Corrigendum-1.pdf): G.fast Certification Test Plan  [BBF.337 Gfast Certification Program](https://www.broadband-forum.org/testing-and-certification-programs/bbf-337-gfast-certification)  [BBF TR-380 Issue 2](https://www.broadband-forum.org/technical/download/TR-380_Issue-2.pdf): G.fast performance test plan  [BBF TR-338 Issue-3](https://www.broadband-forum.org/technical/download/TR-338_Issue-3.pdf): Reverse Power Feed Testing |  |
| G.9701 | Y | Y | Interoperability  Performance  Functionality  Certification | N | Y | [BBF TP-337 Issue 4](https://www.broadband-forum.org/technical/download/TP-337_Issue-4.pdf): G.fast Certification Test Plan [BBF TP-337 Issue 4 Cor 1](https://www.broadband-forum.org/technical/download/TP-337_Issue-4_Corrigendum-1.pdf): G.fast Certification Test Plan  [BBF.337 Gfast Certification Program](https://www.broadband-forum.org/testing-and-certification-programs/bbf-337-gfast-certification)  [BBF TR-380 Issue 2](https://www.broadband-forum.org/technical/download/TR-380_Issue-2.pdf): G.fast performance test plan  [BBF TR-338 Issue-3](https://www.broadband-forum.org/technical/download/TR-338_Issue-3.pdf): Reverse Power Feed Testing |  |
| G.9710 | Y | Y | Interoperability  Performance  Functionality  Certification | N | N |  | BBF |
| G.9711 | Y | Y | Interoperability  Performance  Functionality  Certification | N | N |  | BBF |
| G.9901 | Y | Y |  | N | Y 2) | PRIME Alliance G3-PLC Alliance (\*) |  |
| G.9902 | Y | Y |  | N | N |  |  |
| G.9903 | Y | Y |  | N | N | G3-PLC Alliance (\*) |  |
| G.9904 | Y | Y |  | N | Y | PRIME Alliance |  |
| G.9954 | Y | Y | Interoperability  Performance  Functionality | N | N | HomeGrid Forum (HGF) (\*) |  |
| G.9959 | Y | Y |  | N | N | Z-Wave Alliance (\*) |  |
| G.9960 | Y | Y | Compliance  Interoperability  Performance | N | Y 2) | HomeGrid Forum (HGF) (\*) (Compliance, Interoperability and performance)  Broadband Forum (BBF) (Performance) |  |
| G.9961 | Y | Y | Compliance  Interoperability  Performance | N | Y 2) | HomeGrid Forum (HGF) (\*) (Compliance, Interoperability and performance)  Broadband Forum (BBF) (Performance) |  |
| G.9963 | Y | Y | Compliance  Interoperability  Performance | N | Y 2) | HomeGrid Forum (HGF) (\*) (Compliance, Interoperability and performance)  Broadband Forum (BBF) (Performance) |  |
| G.9964 | Y | Y | Compliance  Interoperability | N | N | HomeGrid Forum (HGF) (\*) |  |
| G.9970 | Y | N |  | N | N |  |  |
| G.9971 | Y | N |  | N | N |  |  |
| G.9973 | Y | Y | Protocol | N | Y | Japan TTC JJ-300.00 |  |
| G.9976 | N | N |  | N | N |  |  |
| G.9977 | Y | Y | Protocol | N | N |  | ETSI, BBF,  Cenelec TC210 |
| G.9991 | Y | Y | Compliance  Interoperability  Performance | N | N | In preparation by HGF (\*) | HGF (\*) |
| G.9978 | Y | Y | Compliance  Interoperability | N | N | HomeGrid Forum (HGF) (\*) |  |
| G.9980 | Y | Y | Protocol | N | Y | [BBF ATP-069 Issue 2](https://www.broadband-forum.org/technical/download/ATP-069_Issue-2.pdf)  [BBF ATP-069 Issue 2 Cor 1](https://www.broadband-forum.org/technical/download/ATP-069_Issue-2_Corrigendum-1.pdf)  [BBF.069 Certification Program](https://www.broadband-forum.org/testing-and-certification-programs/bbf-069-certification) |  |
| Set-Top Box and Home Networking (J.190, J.191, J.192) | | | | | | | |
| J.191 | Y | Y |  | Y | Y 1) |  |  |
| J.192 | Y | Y |  | Y | Y 1) |  |  |

\_\_\_\_\_\_ Y1 ): Having been tested and certified by CableLabs (USA)

(\*) : G3-PLC Alliance (G3-Alliance), HomeGrid Forum (HGF) and Z-Wave Alliance are non-A5 qualified SDOs

Y 2) : Yes for A5 qualified SDOs (PRIME Alliance, Broadband Forum), but No for non-A5 qualified SDOs

**Study Group 16**

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| H.248 systems (Note 1) | Y | Y |  | N |  | ETSI Tispan, 3GPP, [MSF](http://www.broadband-forum.org/technical/download/TR-060_Issue-2.pdf) | N [specify] |
| H.323 systems (Note 2) | Y | Y |  | N |  | ETSI, IMTC | IMTC |
| H.261 | Y | Y |  | N |  | N |  |
| H.262 | Y | Y |  | N | Y | ISO/IEC 13818-4:2004 (Conformance testing) and ISO/IEC TR 13818-5:2005 (Software simulation) |  |
| H.263 | Y | Y |  | N |  | N |  |
| H.264 | ISO/IEC 14496-10 | Y |  |  | Y |  | H.264.1 and H.264.2 are twin texts with ISO/IEC | N [specify] |
| H.265 | ISO/IEC 23008-2 | Y |  |  | Y |  | H.265.1 and H.265.2 are twin texts with ISO/IEC | N [specify] |
| H.626V2 | Y | Y | Functionality | Y | N | ITU-T T.627 (ex F.TSVSN): Test specification for video surveillance networking | N |
| H.627V2 | Y | Y | Interoperability Functionality | Y | N | ITU-T T.627 (ex F.TSVSN): Test specification for video surveillance networking | N |
| F.743V2 | Y | Y |  | Y  Note: having been initiated in ITU-T Q12/16, should be completed in March 2021. | N | N |  |
| H.701 | Y |  |  |  |  | HSTP.CONF-H701 |  |
| H.702 | Y |  |  |  |  | HSTP.CONF-H702 |  |
| H.721 | Y |  |  |  |  | HSTP.CONF-H721 |  |
| H.761 | Y |  |  | Y |  | HSTP.CONF-H761 |  |
| H.762 | Y |  |  |  |  | HSTP.CONF-H762 |  |
| H.764 | Y |  |  | Y |  | HSTP.CONF-H764 |  |
| H.770 | Y |  |  |  |  | HSTP.CONF-H770 |  |
| H.810 | Y |  |  | Y |  | H.820-H.850 |  |
| G.7xx speech & audio codecs | Y | Y |  | Y (Note 3) |  | N (4) | Possibly [specify] |
| T.800 JPEG-2000 | Y |  |  | Y |  | Specified in T.803.  JPEG-2000 is a common text with ISO/IEC 15444-1. | N [specify] |
| T.802 (Motion JPEG-2000) | Y |  | Test vectors |  |  | T.802 is a common text with ISO/IEC 15444-3. | N [specify] |
| F.162 | (Note 5) | (Note 5) |  |  |  |  |  |
| F.163 | (Note 5) | (Note 5) |  |  |  |  |  |
| F.170 | (Note 5) | (Note 5) |  |  |  |  |  |
| F.171 | (Note 5) | (Note 5) |  |  |  |  |  |
| F.182bis | (Note 5) | (Note 5) |  |  |  |  |  |
| F.185 | (Note 5) | (Note 5) |  |  |  |  |  |
| F.190 | (Note 5) | (Note 5) |  |  |  |  |  |
| T.4 | Y | Y |  | N | N |  | Y [specify] |
| T.5 | Y | N |  | Y | N |  | N [specify] |
| T.6 | Y | Y |  | N | N |  | N [specify] |
| T.22 | N | N |  | N | N |  | N [specify] |
| T.23 | N | N |  | N | N |  | N [specify] |
| T.24 | N | N |  | N | N |  | N [specify] |
| T.30 | Y | Y |  | N | N |  | Y [specify] |
| T.31 | Y | Y |  | N | N |  | Y [specify] |
| T.32 | Y | Y |  | N | N |  | Y [specify] |
| T.33 | (Note 5) | (Note 5) |  |  |  |  |  |
| T.35 | Y | N |  | N | N |  | Y [specify] |
| T.36 | (Note 5) | (Note 5) |  |  |  |  |  |
| T.37 | N | Y |  | N | N |  | Y [specify] |
| T.38 | N | Y |  | N | N |  | Y [specify] |
| T.39, | N | N |  | N | N |  | N [specify] |
| T.42 | (Note 5) | (Note 5) |  |  |  |  |  |
| T.43 | (Note 5) | (Note 5) |  |  |  |  |  |
| T.44 | (Note 5) | (Note 5) |  |  |  |  |  |
| T.45 | (Note 5) | (Note 5) |  |  |  |  |  |
| T.66 | Y | N |  | N | N |  | Y [specify] |
| T.503 | (Note 5) | (Note 5) |  |  |  |  |  |
| T.563 | (Note 5) | (Note 5) |  |  |  |  |  |
| V.8 | N | N |  | N | N |  | N [specify] |
| V.8bis | N | N |  | N | N |  | N [specify] |
| V.17 | N | Y |  | N | N |  | Y [specify] |
| V.21 | N | Y |  | N | N |  | Y [specify] |
| V.22 | N | Y |  | N | N |  | Y [specify] |
| V.22 bis | N | Y |  | N | N |  | Y [specify] |
| V.24 | N | Y |  | N | N |  | Y [specify] |
| V.27 | N | Y |  | N | N |  | Y [specify] |
| V.27 bis | N | Y |  | N | N |  | Y [specify] |
| V.27 ter | N | Y |  | N | N |  | Y [specify] |
| V.29 | N | Y |  | N | N |  | Y [specify] |
| V.32 | N | Y |  | N | N |  | Y [specify] |
| V.32 bis | N | Y |  | N | N |  | Y [specify] |
| V.34 | N | Y |  | N | N |  | Y [specify] |
| V.42 | Y | Y |  | N | N |  | Y [specify] |
| V.42 bis | Y | Y |  | N | N |  | Y [specify] |
| V.43 | N | Y |  | N | N |  | Y [specify] |
| V.44 | Y | Y |  | N | N |  | Y [specify] |
| V.56 bis | Y | N |  | Y | N |  | N [specify] |
| V.56 ter | Y | N |  | Y | N |  | N [specify] |
| V.59 | Y | N |  | N | N |  | N [specify] |
| V.61 | Y | Y |  | N | N |  | Y [specify] |
| V.70 | Y | Y |  | N | N |  | Y [specify] |
| V.75 | Y | Y |  | N | N |  | Y [specify] |
| V.76 | Y | Y |  | N | N |  | Y [specify] |
| V.80 | Y | N |  | N | N |  | Y [specify] |
| V.90 | Y | Y |  | Y | N |  | Y [specify] |
| V.91 | Y | Y |  | N | N |  | Y [specify] |
| V.92 | Y | Y |  | Y | N |  | Y [specify] |
| V.110 | Y | Y |  | N | N |  | Y [specify] |
| V.120 | Y | Y |  | N | N |  | Y [specify] |
| V.130 | N | Y |  | N | N |  | Y [specify] |
| V.150.X | N | Y |  | N | N |  | Y [specify] |
| V.151 | N | Y |  | N | N |  | Y [specify] |
| V.152 | N | Y |  | N | N |  | Y [specify] |
| V.250 | Y | N |  | N | N |  | Y [specify] |
| V.251 | Y | N |  | N | N |  | Y [specify] |
| V.252 | Y | N |  | N | N |  | Y [specify] |
| V.253 | Y | N |  | N | N |  | Y [specify] |

**Notes:**

|  |  |
| --- | --- |
| 1. | H.248 systems comprise the base protocol Recommendation in H.248.1 and add-on modules (called “*Packages*”) found in the other H.248.x texts. Some of the modules are interdependent (e.g. a package that expands the features of another package). H.248 is suitable for conformity and interoperability testing however given the usage of between an MGC and MG the behaviour really needs to be tested as part of an overall system, i.e. call control behaviour drives H.248 behaviour which drives bearer/media behaviour. When used in an overall system, H.248 is typically "profiled" and testing would occur against this. ITU-T SG16 has up until this stage not developed any profiles. This has been left up to ETSI TISPAN, 3GPP, MSF. There are currently no tests specified in any of the H.248.x sub-series and it is unlikely that development of additional normative text to describe test suites work would be supported by contributions. However, there are tests available from other SDOs e.g.MSF has developed several H.248/Megaco interoperability agreements (see: [http://www.msforum.org/techinfo/approved.shtml](http://www.broadband-forum.org/technical/download/TR-286.pdf)). |
| 2. | H.323 systems comprise in addition to the base Recommendation in H.323 some mandatory and optional elements specified in other Recommendations. To-date, they are: H.323, H.225.0, H.235 Series, H.245, H.246, H.283, H.341, H.361, H.450 Series, H.460 Series, and H.500 Series. It should be noted that many H.323 media gateway controllers use H.248 and that there are also media-related specifications like T.38, V.150.x, V.151, V.152, and all G-series and H-series audio and video codecs. This makes it difficult to draw the line on what makes up the H.323 system. |
| 3. | Speech and/or audio codec Recommendations in the G.7xx series contain either a set of test vectors or reference ANSI C source code that can be used to verify compliance with the Recommendation. Since 1995, the standardization of G.729 and G.723.1, ANSI-C code constitutes an integral part of the ITU-T speech and audio coding Recommendations. For the previous standards (G.711, G.726, G.727, G.722, *G.728*) their C-codes are in the ITU-T software tools library (ITU-T G.191 Annex A). G.711’s compliance is verified through the provisions in G.712.  Further guidance could be developed on how to use reference ANSI C source code of each of the G.7xx series Recommendations in the assertion of compliance of an implementation. |
| 4. | ITU-T G.722.2 is also normalized in 3GPP as AMR-WB (3 GPP TS 26.190) |
| 5. | Information for these Recommendations need to be further researched |

**Study Group 17**

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.292 | N | N |  |  | N |  |  |

Tree and Tabular Combined Notation (TTCN)

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| **Z.161** | N | N |  |  | N |  |  |
| **Z.162** | N | N |  |  | N |  |  |
| **Z.162** | N | N |  |  | N |  |  |
| **Z.164** | N | N |  |  | N |  |  |
| **Z.165** | N | N |  |  | N |  |  |
| **Z.166** | N | N |  |  | N |  |  |
| **Z.167** | N | N |  |  | N |  |  |
| **Z.168** | N | N |  |  | N |  |  |
| **Z.169** | N | N |  |  | N |  |  |
| **Z.170** | N | N |  |  | N |  |  |

Supplements to X-series recommendations

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites available from SDOs / Forums / Labs [Y/N]** | **Reference to the applicable Test Suite**  (existing ITU-T Recs and/or other SDOs / Forums) | **Who studies additional / new test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.224 |  |  |  |  | Y | ISO/IEC 8073 |  |
| X.233 |  |  |  |  | Y | ISO/IEC 8473-1 |  |
| X.234 |  |  |  |  | Y | ISO/IEC 8602 |  |
| X.273 |  |  |  |  | Y | ISO/IEC 11577 |  |
| X.274 |  |  |  |  | Y | ISO/IEC 10736 |  |
| X.622 |  |  |  |  | Y | ISO/IEC 8473-3 |  |
| X.623 |  |  |  |  | Y | ISO/IEC 8473-4 |  |
| X.625 |  |  |  |  | Y | ISO/IEC 8473-5 |  |
| X.633 |  |  |  |  | Y | ISO/IEC 14700 |  |
| X.634 |  |  |  |  | Y | ISO/IEC 14699 |  |

OSI upper layer protocols (X.245, X.246, X.247, X.248, X.249, X.255, X.256, X.257)

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.245 |  |  |  |  | Y | ISO/IEC 8327-2 |  |
| X.246 |  |  |  |  | Y | ISO/IEC 8823-2 |  |
| X.247 |  |  |  |  | Y | ISO/IEC 8650-2 |  |
| X.248 |  |  |  |  | Y | ISO/IEC 9066-3 |  |
| X.249 |  |  |  |  | Y | ISO/IEC 9072-4 |  |
| X.255 |  |  |  |  | Y | ISO/IEC 9548-2 |  |
| X.256 |  |  |  |  | Y | ISO/IEC 9576-2 |  |
| X.257 |  |  |  |  | Y | ISO/IEC 10035-2 |  |

OSI management information (X.282, X.283, X.284)

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.282 |  |  |  |  | Y | ISO/IEC 10742 |  |
| X.283 |  |  |  |  | Y | ISO/IEC 10733 |  |
| X.284 |  |  |  |  | Y | ISO/IEC 10737 |  |

Generic upper layer security (X.834, X.835)

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.834 |  |  |  |  |  | ISO/IEC 11586-5 |  |
| X.835 |  |  |  |  |  | ISO/IEC 11586-6 |  |

MHS (X.481, X.482, X.483, X.484, X.485, X.486, X.487, X.488)

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.481 |  |  |  |  |  | ISP 12062-2 |  |
| X.482 |  |  |  |  |  | ISP 10611-3 |  |
| X.483 |  |  |  |  |  | ISP 10611-4 |  |
| X.484 |  |  |  |  |  | ISP 10611-5 & ISP 10611-6 |  |
| X.485 |  |  |  |  |  | N |  |
| X.486 |  |  |  |  |  | ISP 12063-2 Withdrawn |  |
| X.487 |  |  |  |  |  | ISP 12062-6 |  |
| X.488 |  |  |  |  |  | ISP 12063-5 Withdrawn |  |

Directory (X.581, X.582, X.583, X.584, X.585, X.586)

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.581 |  |  |  |  |  | 14608-1 Withdrawn |  |
| X.582 |  |  |  |  |  | 14608-2  Withdrawn |  |
| X.583 |  |  |  |  |  | 13248-1  Withdrawn |  |
| X.584 |  |  |  |  |  | 13248-2  Withdrawn |  |
| X.585 |  |  |  |  |  | 13248-3 Withdrawn |  |
| X.586 |  |  |  |  |  | 13248-4 Withdrawn |  |

CCR (X.853)

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.853 |  |  |  |  |  | 9805-2 |  |
|  |  |  |  |  |  |  |  |

Transaction processing (X.863)

| ITU-T Rec./  Sub-series or  Supl. or System | Suitability for testing | | **Parameters**  **to be tested** | **Tests suites available in ITU-T Recs [Y/N]** | **Tests suites developed by A.5 qualified SDOs [Y/N]** | **Reference to the applicable test suite** | **New test suites ITU/ Others** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Conformity (c) | Interoperability (i) |
| X.863 |  |  |  |  |  | 10026-4 |  |

**NOTE**: there are OSI Recommendations with PICS proformas that are not under the SG 17 responsibility, (e.g., SG2 for X.700-series).

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1. The test specifications have been developed under SG11 [↑](#footnote-ref-2)