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| INTERNATIONAL TELECOMMUNICATION UNION | **Joint Coordination Activity  On Conformance and Interoperability Testing** |
| **TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2013-2016 | **JCA-CIT-I-062**  |
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| **DOCUMENT** |
| **Source:** | Chairman of JCA-CIT |
| **Title:** | Updates to the reference table of ITU-T Recommendation to be tested for conformity/interoperability |
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|  |

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

This document is based on the reference table of ITU-T Recommendations to be tested for conformance and interoperability, which was agreed at the SG11 meeting (9-16 July 2014). It contains the relevant changes to the list of ITU-T Recommendations on C&I which are under ITU-T SG11 responsibility.

**Annex B to the SG11 Action Plan (**[**TD 70 (GEN**](http://www.broadband-forum.org/technical/download/TR-273.pdf)**/11), February 2013 SG11 meeting)**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ITU-T Rec.**  | **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** | **Resistibility (subset of Interop)** |
| Add new Recs or delete Recs for which testing are requested | Indicate [Y/N] if testing is demanded for conformity | Indicate [Y/N] if testing is demanded for interop | List parameters to be tested | Indicate [Y/N] if test suites are available in ITU-T Recommendations or other ITU-T publications | Indicate [Y/N] availability of test suites in bodies other than ITU (even not ITU-T A.5)  | Indicate the references (possibly including hyperlinks) to point to the texts describing test suites | If test suites are missing specify here who will develop them (SGs or external bodies) |

**Study Group 5**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ITU-T Rec.**  | **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** | **Resistibility (subset of Interop)** |
| K.20 |  | Y | For K.20: Telcom center 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 |  |  |
| L.1000 | Y | Y | Conformity of mobile universal charger solutions | Y | N | L.1005 |  |
| 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 |

Revised texts of K.20, K.21, K.44 and K.45 are programmed for 2011. However the texts maybe updated sooner if necessary.

**Study Group 9**

| **ITU-T Rec.** | **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** | **Interoperability** |
| Digital transmission of television signals (J.80, J.180, J.280, J.380 series) |  |  |
| J.83 | Y | Y |  | Y | Y 1) |  |  |
| 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.213 | Y2) | Y2) |  | N | Y2) |  |  |
| J.214 | Y2) | Y2) |  | Y | Y2) |  |  |
| 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) |  |  |
|  |  |  |  |  |  |  |  |
| 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 |  |  |
| 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 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.204 | Y | Y |  | N | Y 1) |  |  |
| J.215 | Y | Y |  | N | Y 1) |  |  |
| 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) |  |  |
|  |  |  |  |  |  |  |  |

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)

**Study Group 11**

| **ITU-T Rec.** | **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** | **Interoperability** |
| Q.703 | Y | Y | MTP Level 2 (SS7) | Y | N | Q.781 |  |
| Q.704 | Y | Y | MTP Level 3 (SS7) | Y | N | Q.782 |  |
| Q.706 | Y | Y | The Level 3 performance aspects (SS7) | Y | N | Q.782 |  |
| Q.707 | Y | Y | MTP Level 3 (SS7) | Y | N | Q.782 |  |
| Q.721-Q.724 | Y | Y | Telephony User Part (TUP) (SS7) | Y | N | Q.783 |  |
| Q.761-Q.764 | Y | Y | Telephony User Part (TUP) (SS7) | Y | N | Q.784;Q.784.1; Q.784.2; Q.784.3 |  |
| Q.767 | Y | Y | Application of ISUP (SS7) | Y | N | Q.784; Q.784.1; Q.784.2; Q.784.3 |  |
| Q.730 | Y | Y | ISUP for supplementary services (SS7) | Y | N | Q.785; Q.785.2 |  |
| Q.711-Q.714 | Y | Y | SCCP (SS7) | Y | N | Q.786 |  |
| Q.771-Q.774 | Y | Y | Transactions capabilities | Y | N | Q.787 |  |
| Q.784-Q.785 | Y | Y | UNI (SS7) | Y | N | Q.788 |  |
| Q.3900 | N | N | The framework of NGN testing (model network) | N | N |  | N |
| Q.3901 | Y | Y | The test suite of NGN functionality (against Rec. ITU-T Y.2012) | Y | N |  | N |
| Q.3902 | Y | N |  | N | N |  | N |
| Q.3903 | Y | Y |  | Y | Y |  | N |
| Q.1912.5Q.699 | Y | N |  | Y | Y | TS 186 002-1, TS 186 002-2, TS 186 002-3, TS 186 002-4, TS 186 002-5Q.1912.5B, Q.1912.5C, Q.1912.5D, Q.1912.5E,Q.1912.5FQ.3941.1, Q.3941.2, Q.3941.3, Q.3941.4 |  |
| Q.3904 | Y | Y | The test suite of IMS functionality and services (against Rec. ITU-T Y.2012) | Y | Y |  | N |
| Q.3905 | Y | Y |  | Y | Y |  | N [specify] |
| Q.3906.1 | Y | Y | The test suites of a functionality of a broadband access (against Rec. ITU-T Y.2012) | Y | N |  | N [specify] |
| Q.3909 | N | N |  | N | N |  |  |
| Q.3910 | Y | N |  | N | N |  |  |
| Q.3911 | Y | N |  | N | N |  |  |
| Q.3912 | Y | N |  | N | N |  |  |
| Q.3925 | Y | N |  | N | N |  |  |
| Q.3930 | Y | N |  | N | Y | Q.3931.1, Q.3931.2 |  |
| Q.3401 | Y | Y | NGN/IMS interconnection (NGN NNI) | Y | Y | TS 101 585Q.3940 |  |
| Q.3943.1Q.3943.2Q.3943.3 | Y | N | The test suites of the OIP and OIR services which are based on IMS (ITU does not have the requirements) | Y | Y | TS 186 006-1, TS 186 006-2, TS 186 006-3 |  |
| Q.3942.1 | Y | N |  |  |  |  |  |
| Q.3945 | N | N |  | N | N |  |  |
| Q.3946.2 | 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.3948 | N | N | The framework for testing VoIP services which are based on NGN | N | N |  |  |
| Q.3949 | N | N | The framework for testing a real-time multimedia services which are based on NGN | N | N |  |  |
| Q.3950 | N | N |  |  |  |  |  |
| H.IRP | Y | Y |  | N | N |  | Y [specify] |
| X.oid-res | Y | Y |  | N | N |  | Y [specify] |
| X.290 | N | N |  | N | N |  |  |
| X.291 | N | N |  | N | N |  |  |
| X.293 | N | N |  | N | N |  |  |
| X.294 | N | N |  | N | N |  |  |
| X.295 | N | N |  | N | N |  |  |
| X.296 | N | N |  | N | N |  |  |
| X.Sup4 | N | N |  | N |  |  |  |
| X.Sup5 | N | N |  | N |  |  |  |

**Study Group 12**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ITU-T Rec.** | **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** | **Interoperability** |
| None |  |  |  |  |  |  |  |

**Study Group 13**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ITU-T Rec.** | **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** | **Interoperability** |
| None |  |  |  |  |  |  |  |

**Study Group 15**

| **ITU-T Rec.** | **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)** |
| G.999.1 | N | N |  | N | N |  | N [specify] |
| G.hntreq | N | N |  | N | N |  | N [specify] |
| G.9902 | Y | Y |  | N | N |  | N |
| G.9903 | Y | Y |  | N | Y |  | G3-PLC Alliance |
| G.9904 | Y | Y |  | N | Y |  | PRIME Alliance |
| G.9954 | Y | Y | InteroperabilityPerformanceFunctionality | N | Y | HomeGrid Forum (HGF) | Q18/15HGF |
| G.9959 | Y | Y |  | N | Y |  | Z-Wave Alliance |
| G.9960 | Y | Y |  | N | Y | HomeGrid Forum (HGF) | Q18/15HGF |
| G.9961 | Y | Y |  | N | Y | HomeGrid Forum (HGF) | Q18/15HGF |
| G.9961 Amendment 1 | Y | Y |  | N | Y | HomeGrid Forum (HGF) | Q18/15HGF |
| G.9963 | Y | Y |  | N | Y | HomeGrid Forum (HGF) | Q18/15HGF |
| G.9964 | Y | Y |  | N | Y | HomeGrid Forum (HGF) | Q18/15HGF |
| G.9970 | Y | N |  | N | N |  | N |
| G.9971 | Y | N |  | N | N |  | N |
| G.9973 | Y | Y | Protocol | N | Y | Japan TTC JJ-300.00 | Japan TTC |
| G.9980 | Y | Y | Protocol | N | Y | [BBF ATP-069](http://www.broadband-forum.org/technical/download/TR-115_Issue-2.zip)[BBF.069 Certification Program](http://www.broadband-forum.org/technical/test_cert_programs.php) | BBF |
| G.984 series | Y | Y |  | N | Y | TR-156: System specificationsTR-167: System specificationsTR-247: ONU conformanceTR-255: Interoperability testing | BBF |
| G.985 | Y | Y |  | N | N |  | N/A |
| G.986  | Y | Y |  | N | N |  | N/A |
| G.987 series | Y | Y |  | N | Y | Same as G.984 | BBF |
| G.988 | Y | Y |  | N | Y | Same as G.984 | BBF |
| G.989 series  | Y | Y |  | N | N |  | N/A |
| G.991.2 | N | Y | InteroperabilityPerformance | N | Y | [BBF TR-060 Issue 2](http://www.broadband-forum.org/technical/download/TR-138.pdf) | BBF |
| G.992.1 | N | Y | InteroperabilityPerformance | N | Y | [BBF TR-067](http://www.broadband-forum.org/technical/download/TR-138_Corrigendum-1.pdf) | BBF |
| G.992.2 | N | Y |  | N | N |  | N |
| G.992.3 | N | Y | InteroperabilityPerformanceFunctionality | N | Y | [BBF TR-100 Issue 2](http://www.broadband-forum.org/technical/download/ATP-069.pdf)[BBF TR-105 Issue 2](http://www.broadband-forum.org/technical/download/TR-138.pdf)[BBF TR-105 Issue 2 Amd 1](http://www.broadband-forum.org/technical/download/TR-105_Issue-2_Amendment-1.pdf)[BBF TR-138](http://www.broadband-forum.org/technical/download/TR-067.pdf)[BBF TR-138 Cor 1](http://www.broadband-forum.org/technical/download/TR-105_Issue-2.pdf) | BBF |
| G.992.4 | N | Y |  | N | N |  | N |
| G.992.5 | N | Y | InteroperabilityPerformanceFunctionality | N | Y | [BBF TR-100 Issue 2](http://www.broadband-forum.org/technical/download/TR-100_Issue-2.pdf)[BBF TR-105 Issue 2](http://www.msforum.org/techinfo/approved.shtml)[BBF TR-105 Issue 2 Amd 1](http://staging.itu.int/md/T13-SG11-130225-TD-GEN-0070/en)[BBF TR-138](http://www.broadband-forum.org/technical/download/TR-100_Issue-2.pdf)[BBF TR-138 Cor 1](http://www.msforum.org/techinfo/approved.shtml) | BBF |
| G.780/Y.1351 | N | N |  | N | N |  | N [specify] |
| G.870/Y.1352 | N | N |  | N | N |  | N [specify] |
| G.8001/Y.1354 | N | N |  | N | N |  | N [specify] |
| G.8081/Y.1353 | N | N |  | N | N |  | N [specify] |
| G.8101/Y.1355 | N | N |  | N | N |  | N [specify] |
| G.993.1 | N | Y |  | N | N |  | N |
| G.993.2 | N | Y | InteroperabilityPerformanceFunctionality | N | Y | [BBF TR-114 Issue 2](http://www.broadband-forum.org/technical/download/TR-114_Issue-2.pdf)[BBF TR-115 Issue 2](http://www.broadband-forum.org/technical/download/TR-138.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 |
| G.995.1 | N | N |  | N | N |  | N [specify] |
| G.996.1 | N | N |  | N | N |  | N |
| G.996.2 | N | Y | PerformanceFunctionality | N | Y | [BBF TR-138](http://www.broadband-forum.org/technical/download/TR-138_Corrigendum-1.pdf)[BBF TR-138 Cor 1](http://www.broadband-forum.org/technical/download/TR-105_Issue-2_Amendment-1.pdf)[BBF TR-286](http://www.broadband-forum.org/technical/download/TR-138_Corrigendum-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, and G.993.2. | BBF |
| G.998.1 | N | Y | InteroperabilityPerformance | N | Y | BBF TR-273 | BBF |
| G.998.2 | N | Y | InteroperabilityPerformance | N | Y | [BBF TR-273](http://www.broadband-forum.org/technical/download/TR-273.pdf) | BBF |
| G.998.3 | N | Y |  | N | N |  | N |
| G.998.4 | N | Y | InteroperabilityPerformanceFunctionality | N | Y | Included in the BBF TRs for testing of G.992.3, G.992.5, and G.993.2. | BBF |
| G.inp | Y | Y |  | N | N |  | Y [specify] |
| G.nm | Y | Y |  | N | N |  | Y [specify] |
| G.vector | Y | Y |  | N | N |  | Y [specify] |
| G.650.1 | Y | N |  | Y | Y |  | N [specify] |
| G.650.2 | Y | N |  | Y | Y |  | N [specify] |
| G.650.3 | Y | N |  | Y | Y |  | N [specify] |
| G.651.1 | Y | N |  | Y | Y |  | N [specify] |
| G.652 | Y | N |  | Y | Y |  | N [specify] |
| G.653 | Y | N |  | Y | Y |  | N [specify] |
| G.654 | Y | N |  | Y | Y |  | N [specify] |
| G.655 | Y | N |  | Y | Y |  | N [specify] |
| G.656 | Y | N |  | Y | Y |  | N [specify] |
| G.657 | Y | N |  | Y | Y |  | N [specify] |
| G Suppl. 40 | N | N |  | N | N |  | N [specify] |
| G.640 | Y | Y |  | N | Y |  | N [specify] |
| G.664 | Y | N |  | Y | Y |  | N [specify] |
| G.680 | Y | Y |  | N | N |  | N [specify] |
| G.691 | Y | Y |  |  | Y |  | N [specify] |
| G.692 | Y | Y |  |  | Y |  | N [specify] |
| G.693 | Y | Y |  |  |  |  |  |
| G.694.1 | Y | Y |  | N |  |  |  |
| G.694.2 | Y | Y |  | N |  |  |  |
| G.695 | Y | Y |  | N |  |  |  |
| G.696.1 | Y | Y |  | N |  |  |  |
| G.697 | Y | Y |  | N |  |  |  |
| G.698.1 | Y | Y |  | N |  |  |  |
| G.698.2 | Y | Y |  | N |  |  |  |
| G.957 | Y | Y |  | N |  |  |  |
| G.959.1 | Y | Y |  | N |  |  |  |
| G.661 | Y | Y |  | Y |  |  |  |
| G.662 | Y | Y |  |  | Y |  |  |
| G.663 | Y | Y |  |  | Y |  |  |
| G.665 | Y | Y |  |  | Y |  |  |
| G.666 | Y | Y |  |  | Y |  |  |
| G.667 | Y | Y |  |  | Y |  |  |
| L.12 | Y | Y |  |  | Y |  |  |
| L.13 | Y | Y |  |  | Y |  |  |
| L.18 | Y | Y |  |  | Y |  |  |
| L.31 | Y | Y |  |  | Y |  |  |
| L.36 |  |  |  |  |  |  |  |
| L.37 | Y | Y |  |  | Y |  |  |
| L.50 | Y | Y |  |  | Y |  |  |
| L.51 | Y | Y |  |  | Y |  |  |
| L.70 | Y | Y |  |  | Y |  |  |
| L.Distr |  |  |  |  |  |  |  |
| L.Drop | Y | Y |  |  | Y |  |  |
| L.modc | Y | Y |  |  | Y |  |  |
| L.Oxcon | Y | Y |  |  | Y |  |  |
| G.971 | Y | Y |  | Y |  |  |  |
| G.972 | Y | Y |  | Y |  |  |  |
| G.973 | Y | Y |  | Y |  |  |  |
| G.974 | Y | Y |  | Y |  |  |  |
| G.975.1 | Y | Y |  | Y |  |  |  |
| G.976 | Y | Y |  | Y |  |  |  |
| G.977 | Y | Y |  | Y |  |  |  |
| G.978 | Y | Y |  | Y |  |  |  |
| G.lcasub | Y | Y |  | Y |  |  |  |
| G.madsub | Y | Y |  | Y |  |  |  |
| G Suppl. 41 | N | N |  | N | N |  | N [specify] |
| G.781 | Y | Y |  | N | Y |  | N [specify] |
| G.783 | Y | Y |  | N | Y |  | N [specify] |
| G.798 | Y | Y |  | N | Y |  | N [specify] |
| G.808.1 | Y | Y |  | N | Y |  | N [specify] |
| G.808.2 (ex G.gps.2) | Y | Y |  | N | Y |  | N [specify] |
| G.829 | Y | Y |  | N | Y |  | N [specify] |
| G.873.1 | Y | Y |  | N | Y |  | N [specify] |
| G.873.2 (ex G.otnprot.2) | Y | Y |  | N | Y |  | N [specify] |
| G.8021/Y.1341 | Y | Y |  | N | Y |  | N [specify] |
| G.8031/Y.1342 | Y | Y |  | N | Y |  | N [specify] |
| G.8032/Y.1344 | Y | Y |  | N | Y |  | N [specify] |
| G.8121/Y.1381 | Y | Y |  | N | Y |  | N [specify] |
| G.8131/Y.1382 | Y | Y |  | N | Y |  | N [specify] |
| G.8132/Y.1383 | Y | Y |  | N | Y |  | N [specify] |
| X.87/Y.1324 | Y | Y |  | N | Y |  | N [specify] |
| X.msr | Y | Y |  | N | Y |  | N [specify] |
| G.8011.3/Y.1307.3 | Y | Y |  | N |  |  |  |
| G.8011.4/Y.1307.4 | Y | Y |  | N |  |  |  |
| G.8011.5/Y.1307.5 | Y | Y |  | N |  |  |  |
| G.8012/Y.1308 | Y | Y |  | N |  |  |  |
| G.8112/Y.1371 | Y | Y |  | N |  |  |  |
| G.mplstpoam | Y | Y |  | N |  |  |  |
| G.709/Y.1331 | Y | Y |  | N |  |  |  |
| G.7041/Y.1303 | Y | Y |  | N |  |  |  |
| G.7042/Y.1305 | Y | Y |  | N |  |  |  |
| G.7043/Y.1343 | Y | Y |  | N |  |  |  |
| G.ptnni | Y | Y |  | N |  |  |  |
| G.803 | N | N |  | N | N |  | N [specify] |
| G.872 | N | N |  | N | N |  | N [specify] |
| G.8010/Y.1306 | N | N |  | N | N |  | N [specify] |
| G.8080/Y.1304 (ex G.ason) | N | N |  | N | N |  | N [specify] |
| G.8110/Y.1370 | N | N |  | N | N |  | N [specify] |
| G.8601/Y.1391 (ex G.asm) | N | N |  | N | N |  | N [specify] |
| G.pbb-te | N | N |  | N | N |  | N [specify] |
| G.8251 | Y | Y |  |  |  |  |  |
| G.8261/Y.1361 (ex G.pactiming) | Y | Y |  |  |  |  |  |
| G.8262/Y.1362 (ex G.paclock) | Y | Y | • frequency accuracy• pull-in range• hold-in range• wander generation in locked mode with and without temperature variation• jitter generation• wander noise tolerance• jitter noise tolerance• noise transfer• short-term phase transient response• holdover• phase response to input signal interruptions• phase discontinuity |  | In development |  |  |
| G.8263/Y.1363 (ex G.paclock-bis) | Y | Y |  |  |  |  |  |
| G.8264/Y.1364 (ex G.pacmod) | Y | Y | • local priority• SSM/QL• ESMC frame format & behaviour |  | In development |  |  |
| G.8265/Y.1365 (ex G.pacmod-bis) | Y | Y |  |  |  |  |  |
| G.8266 (ex G.pactiming-bis) | Y | Y |  |  |  |  |  |
| G.831 | Y | Y |  |  |  |  |  |
| G.874 | Y | Y |  |  |  |  |  |
| G.874.1 | Y | Y |  |  |  |  |  |
| G.875 (ex G.oni) | Y | Y |  |  |  |  |  |
| G.876 (ex G.otn-snmp) | Y | Y |  |  |  |  |  |
| G.7710/Y.1701 | Y | Y |  |  |  |  |  |
| G.7713/Y.1704 | Y | Y |  |  |  |  |  |
| G.7713.1/Y.1704.1 | Y | Y |  |  |  |  |  |
| G.7713.2/Y.1704.2 | Y | Y |  |  |  |  |  |
| G.7713.3/Y.1704.3 | Y | Y |  |  |  |  |  |
| G.7714/Y.1705 | Y | Y |  |  |  |  |  |
| G.7714.1/Y.1705.1 | Y | Y |  |  |  |  |  |
| G.7714.2/Y.1705.2 | Y | Y |  |  |  |  |  |
| G.7715/Y.1706 | Y | Y |  |  |  |  |  |
| G.7715.1/Y.1706.1 | Y | Y |  |  |  |  |  |
| G.7715.2/Y.1706.2 | Y | Y |  |  |  |  |  |
| G.7716/Y.1707 (ex G.lcs) | Y | Y |  |  |  |  |  |
| G.7718/Y.1709 | Y | Y |  |  |  |  |  |
| G.7718.1/Y.1709.1 | Y | Y |  |  |  |  |  |
| G.8051/Y.1345 (ex G.eot-mgmt) | Y | Y |  |  |  |  |  |
| G.8052/Y.1346 (ex G.eot-mgmt-info) | Y | Y |  |  |  |  |  |
| G.8151/Y.1374 (ex G.tmpls-mgmt) | Y | Y |  |  |  |  |  |
| G.8152/Y.1375 (ex G.tmpls-mgmt-info) | Y | Y |  |  |  |  |  |
| G.eot-mgmt-info | Y | Y |  |  |  |  |  |
| G.vcm | Y | Y |  |  |  |  |  |
| O.182 | Y | N |  | N |  |  |  |
| O.SyncEjitter (ex O.packetjitter) | Y | N |  | N |  |  |  |
| L.10 | Y | N |  | N |  |  |  |
| L.26 | Y | N |  | N |  |  |  |
| L.43 | Y | N |  | N |  |  |  |
| L.57 (ex L.blow) | Y | N |  | N |  |  |  |
| L.60 | Y | N |  | N |  |  |  |
| L.caind | Y | N |  | N |  |  |  |
| L.cda | Y | N |  | N |  |  |  |
| L.cigd | Y | N |  | N |  |  |  |
| L.ciwd | Y | N |  | N |  |  |  |
| L.cna | Y | N |  | N |  |  |  |
| L.fmun | Y | N |  | N |  |  |  |
| L.fubt | Y | N |  | N |  |  |  |
| L.mpot | Y | N |  | N |  |  |  |
| L.teib | Y | N |  | N |  |  |  |
| L.66 (ex L.omif) | Y | N |  | N |  |  |  |
| L.coi | Y | N |  | N |  |  |  |
| L.fhm | Y | N |  | N |  |  |  |
| L.gpsm | Y | N |  | N |  |  |  |
| L.idsa | Y | N |  | N |  |  |  |
| L.limt | Y | N |  | N |  |  |  |
| L.ofid | Y | N |  | N |  |  |  |
| L.omhp | Y | N |  | N |  |  |  |
| L.omtl | Y | N |  | N |  |  |  |
| L.recc | Y | N |  | N |  |  |  |
| L.wsn | Y | N |  | N |  |  |  |
| L.42 | Y | N |  | N |  |  |  |
| L.aid | Y | N |  | N |  |  |  |
| L.pon | Y | N |  | N |  |  |  |
| L.shropt | Y | N |  | N |  |  |  |
| L.uara | Y | N |  | N |  |  |  |

**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 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) |
| 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] |
| 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 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.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 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) |
| **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 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) |

| 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 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.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 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.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 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.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 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.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 12063-2Withdrawn |  |
| X.487 |  |  |  |  |  | ISP 12062-6 |  |
| X.488 |  |  |  |  |  | ISP 12063-5Withdrawn |  |

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 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.581 |  |  |  |  |  | 14608-1Withdrawn |  |
| X.582 |  |  |  |  |  | 14608-2Withdrawn |  |
| X.583 |  |  |  |  |  | 13248-1Withdrawn |  |
| X.584 |  |  |  |  |  | 13248-2Withdrawn |  |
| X.585 |  |  |  |  |  | 13248-3Withdrawn |  |
| X.586 |  |  |  |  |  | 13248-4Withdrawn |  |

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 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.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 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.863 |  |  |  |  |  | 10026-4 |  |

**NOTE**: that there are OSI Recommendations with PICS proformas that are not under the SG 17 responsibility, (e.g., SG 2 for X.700-series).

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