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| **itu-old** | INTERNATIONAL TELECOMMUNICATION UNION | | | JCA-Res178 – Doc – 014 Rev.2 – E |
| **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2013-2016 | |  | |
| **English only**  **Original: English**  10 June 2014 | |
| **DOCUMENT** | | | | |
| **Source:** | | JCA-Res178 Co-Convener | | |
| **Title:** | | Updated Summary of Reponses to JCA-Res178 LS1 from ITU-T SGs | | |
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Annex I of this document is an updated summary compilation (text without editing) as of 18 May 2015 of the feedback from the responding Study Groups to the JCA-Res178 liaison LS1, as well as an iLS from JCA-Cloud and an iLS from ISO/IEC-JTC1.

Annex I

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| SG | Document | Representative(s) | Response on Activities |
| SG2 | **JCA-Res178**  [Doc-008](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx),  [Doc-013](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx),  [Doc-017](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx),  Doc-023 | **Abdullah AL-MUBADAL**  (Vice Chairman of SG2)  [**amubadal@citc.gov.sa**](mailto:amubadal@citc.gov.sa) | The meeting identified the activities related to ENUM interim procedures as defined in <http://www.itu.int/en/ITU-T/inr/enum/Pages/default.aspx> as a potential topic to refer back to the JCA. All relevant work associated with the interim procedures can be found on the web page.  SG2 has in collaboration with SG3 created a Joint Rapporteur Group to take forward discussions identified in WTSA-12 Resolution 64 and the draft terms of reference as revised by SG2 is contained in [TD 450 (GEN/2)](http://www.itu.int/md/T13-SG02-140528-TD-GEN-0450/en).  ITU-T SG2 can confirm that elements of its work that have been identified are the responsibility of ITU-T SG2 and are being progressed based on contributions from ITU-T SG2 participants. |
| SG3 | **JCA-Res178**  [Doc-012](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx),  Doc-022 | **Leslie Martinkovics**  (SG3 Vice-chairman)  **[leslie.j.martinkovics@verizon.com](mailto:leslie.j.martinkovics@verizon.com)** | There are currently no standardization activities within ITU-T SG3 that are related to JCA-Res178. |
| SG5 | **JCA-Res178**  [Doc-006](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx),  Doc-020 | **Paolo Gemma**  (WP3/5 Chairman)  **[paolo.gemma@huawei.com](mailto:paolo.gemma@huawei.com)** | |  |  |  | | --- | --- | --- | | **Item** | **Title** | **Status** | | Rec. L.1200 | Direct current power feeding interface up to 400 V at the input to telecommunication and ICT equipment | Published | | ITU-T L.1201 | Architecture of power feeding systems of up to 400 VDC | Published | | ITU-T L.1202 | Methodologies for evaluating the performance of energy feeding and its environmental impact | Consented in December 2014 | | L.renewable | (Defining interface and architecture for injecting renewable energy and distributed power sources into an up to 400 V power system as defined in L.1201) | Under development | | Rec. L.1300 | Best practices for green data centers | Published | | Guide | Guide on use of low cost sustainable telecommunication infrastructure | Under development | |
| SG9 | **JCA-Res178**  [Doc-004](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx) | **Cui and Mr. Arthur Webster**  (SG9 Chairman)  [webster@its.bldrdoc.gov](mailto:webster@its.bldrdoc.gov) | |  |  | | --- | --- | | Recomm. | Title | | J.112 | Transmission systems for interactive cable television services | | J.122 | Second-generation transmission systems for interactive cable television services - IP cable modem | | J.125 | Link privacy for cable modem implementations | | J.195.1 | Functional Requirements of high speed transmission over coaxial network connected with Fiber To The Building | | J.HiNoC-phy | PHY layer specification of high performance network over coax | | J.HiNoC-mac | MAC layer specification of high performance network over coax | | J.210 | Downstream RF interface for cable modem termination systems | | J.211 | Timing interface for cable modem termination systems | | J.212 | Downstream external Physical layer interface for modular cable modem termination systems | | J.222.0 | Third-generation transmission systems for interactive cable television services - IP cable modems: Overview | | J.222.1 | Third-generation transmission systems for interactive cable television services - IP cable modems: Physical layer specification | | J.222.2 | Third-generation transmission systems for interactive cable television services - IP cable modems: MAC and Upper Layer protocols | | J.222.3 | Third-generation transmission systems for interactive cable television services - IP cable modems: Security services | |
| SG11 | **JCA-Res178**  Doc-026 | **Tina TSOU**  (WP2/11 Co-Chairman)[tina.tsou.zouting@huawei.com](mailto:tina.tsou.zouting@huawei.com) | Since SG11 was involved in development of stage 2.5 and 3 of various networks such as ISDN, ATM, IP-based, NGN, Cloud and Future Networks, we think that all work of SG11 has relevance to Internet aspects. |
| SG12 | **JCA-Res178**  [Doc-005](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx) | **Kwame Baah-Acheamfuor** (SG12 Chairman) [kwame.baah-acheamfuor@nca.org.gh](mailto:kwame.baah-acheamfuor@nca.org.gh) | There is currently no issues identified by SG12 as related to JCA-Res178. |
| SG13 | **JCA-Res178**  [Doc-015](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx),  Doc-027 | **Leo Lehmann** (SG13 Chairman)  [Leo.Lehmann@bakom.admin.ch](mailto:Leo.Lehmann@bakom.admin.ch) | SG13’s understanding is that Internet comprises various sets of networks using IP technology which build on top of various L1 and L2 networks.  Since SG13 was involved in development of various networks such as ISDN, ATM, IP-based, NGN, Cloud and Future Networks, we think all of SG13 work has relevance to Internet aspects.  For your information, our work programme should be found at the following link: <http://www.itu.int/itu-t/workprog/wp_search.aspx?sg=13> |
| SG15 | **JCA-Res178**  [Doc-011](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx) |  | Regarding the terms of reference of JCA-Res 178, and the request for technical standardization activities that are currently being studied, SG15’s scope of work is relevant for the work of the JCA.  SG15’s title “Networks, Technologies and Infrastructures for Transport, Access and Home” implies a broad range of technologies, many of which are essential to the support of the Internet.  Transport Recommendations developed in SG15 support increasing bandwidth demands of the Internet by defining higher capacity technologies such as 100G and beyond OTN and optical wavelength plans that are increasing the amount of information that can be transferred on optical fibres. SG 15 Recommendations also contribute to the increased affordability of solutions towards access for all. SG15 develops specifications for technologies that help to drive down cost of implementation for the network components as well as the copper and fibre infrastructure.  SG 15 also develops handbooks that help developing countries understand the technologies and infrastructures which are required to access the Internet  Access Recommendations developed in SG15 such as DSL are found in millions of locations and enable users to access the Internet. Increasing access speeds enhance the user experience. Passive optical networks are also studied and reduce operators’ costs in providing broadband access.  In summary, technologies produced by SG15 support the Internet by contributing to its reach, capacity, scalability, reliability and affordability. |
| SG16 | **JCA-Res178**  [Doc-002](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx),  Doc-021 | **Mohannad El-Megharbel** (SG16 vice-chairman)  [melmegharbel@tra.gov.eg](mailto:melmegharbel@tra.gov.eg) | The aspects of telecommunication networks, as we understand the terms of reference, may include optical switching, MPLS, traffic engineering, and other advanced network-related technologies.  ITU-T SG16 is focused on multimedia services and applications that may use the Internet, though SG16 is not doing work on network aspects directly. For example, SG16 is actively working on technologies such as video conferencing that may operate over the Internet at the application layer.  This includes signaling systems, voice and video codecs, fax and modem relay, media gateways (including signal processing functionality considering codecs, echo control, etc.), media gateway controllers, and so on.  SG16 is also actively involved in work related to IPTV, e-health, digital signage, IoT applications, and vehicle gateway platforms. Many standards produced in SG16 might be used in IP networks, comprising both private IP networks and the Internet. SG16 Recommendations do not make distinction between enterprise networks and public internet networks.  *It is not clear to the experts in SG16 that any of this work is the kind of work for which the JCA is trying to identify, though our assumption is that it is not.* |
| SG17 | **JCA-Res178**  [Doc-007](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx),  Doc-025 | **Hua Jiang**  (Associate Rapporteur of Q1/17)  [jianghua@catr.cn](mailto:jianghua@catr.cn) | All work items under development in Q4/17 - Cybersecurity, Q8/17 - Cloud computing security, and Q11/17 - Generic technologies to support secure applications, are relevant work items of interest to JCA-Res178.  In addition, some work items in Q2/17, Q6/17, and Q9/17 may also be relevant.   | **Question** | **Work item** | **Title** | **Start of work** | **Timing** | | --- | --- | --- | --- | --- | | 2/17, (3/17) | X.mgv6 | ITU-T X.1037 – Supplement on security management guideline for implementation of IPv6 environment in telecommunications organizations | 2011-04 | 2014-09 | | 4/17 | X.sbb | Security capability requirements for countering smartphone-based botnet | 2014-01 | 2015-09 | | 7/17 | Draft Rec. ITU-T X.1163 (X.p2p-3) | Security requirements and mechanisms of peer-to-peer based telecommunication network | 2009-09 | 2015-04 | | 7/17 | X.sap-5 | Guideline on local linkable anonymous authentication for electronic services | 2009-09 | 2014-09 | | 7/17 | X.sap-9 | Delegated non-repudiation architecture based on ITU-T X.813 | 2012-09 | 2014-09 | | 8/17, (3/17) | Rec. ITU-T X.1631 (X.cc-control) | Information technology – Security techniques – Code of practice for information security controls for cloud computing services based on ISO/IEC 27002 | 2013-04 | 2015-09 | | 8/17 | X.goscc | Guidelines of operational security for cloud computing | 2012-03 | 2015-09 | | 9/17, (11/17) | X.bhsm | Information technology – Security Techniques – Telebiometric authentication framework using biometric hardware security module | 2010-12 | 2014-09 | | 10/17 | X.iamt | Identity and access management taxonomy | 2012-09 | 2016 | | 11/17 | X.500 (eighth edition) | Information technology – Open Systems Interconnection – The Directory: Overview of concepts, models and services | 2014-04 | 2016 | | 11/17 | X.501 (eighth edition) | Information technology – Open Systems Interconnection – The Directory – Models | 2014-04 | 2016 | | 11/17 | X.509 (eighth edition) | Information technology – Open Systems Interconnection – The Directory – Public-key and attribute certificate frameworks | 2014-04 | 2016 | | 11/17 | X.511 (eighth edition) | Information technology – Open Systems Interconnection – The Directory – Abstract Service Definition | 2014-04 | 2016 | |
| iLS from:  ISO/IEC JTC 1 | **JCA-Res178**  [Doc-003](https://www.itu.int/en/ITU-T/jca/Res178/Pages/documents.aspx) | **Dae-Young Kim** [dykim@cnu.kr](mailto:dykim@cnu.kr) , and  **ShinGak Kang** [sgkang@etri.re.kr](mailto:sgkang@etri.re.kr) ;  ( JTC 1 - SC 6C) | **JTC 1 Proposed action:**  **“JCA-Res178 to add** [dykim@cnu.kr](mailto:dykim@cnu.kr) **and** [sgkang@etri.re.kr](mailto:sgkang@etri.re.kr) **to the JCA-Res178 *mailing-lists*”.** |
| JCA-Cloud | Doc-019 |  | JCA-Cloud is of the opinion that all of works on Cloud Computing in ITU-T should be of relevance to the Internet, so this should be taken into consideration in your work.  All the detailed developments of Cloud Computing should be referred to SG13 as a lead Study Group on cloud computing as well as SG2 on management aspect, SG11 on protocol aspects and SG17 on security aspect.  For your information, JCA-Cloud is being developing roadmap of CC related standardization work which is carried out in ITU-T SGs as well as in various other SDOs. You may find detailed information at the following URL about the Cloud Computing Roadmap:  <https://extranet.itu.int/sites/itu-t/Roadmaps/SitePages/JCA-Cloud-Standard.aspx> |

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