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| **Telecommunication Development  Advisory Group (TDAG)**  **Inter-Sectoral Team on Issues of Mutual Interest**, **Geneva, 27 April 2015** |  | |
| **INTERNATIONAL TELECOMMUNICATION UNION** | | |
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| Chairman, Inter-Sectoral Team on Issues of Mutual Interest | |
| ITU-D SG1 and 2 Questions of interest to ITU-T Study Groups | | |

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| INTERNATIONAL TELECOMMUNICATION UNION | | **Rapporteur Group Document** |
| **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2013-2016 | | TSAG-SC-0048 |
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WTDC-14 approved new SG1&2 Questions (available on the ITU-D site). This document identifies ITU-T Study Groups (and where possible subordinate Questions) and other ITU-T activities (FGs, JCAs, GSIs, etc) having potential interest in the ITU-D Questions.

TSB Counsellors provided the initial inputs to this document. It is worthwhile to have this document reviewed and evaluated by both ITU-D and ITU-T further on, with a view to identify areas of common interest.

| **ITU-D Question** | **ITU-T SG** | **ITU-T SG Questions** |
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| [Question 1/1](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG01-RGQ01.1&stg=1): Policy, regulatory and technical aspects of the migration from existing networks to broadband networks in developing countries, including next-generation networks, m-services, OTT services and the implementation of IPv6 | [SG2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/default.aspx) | [Q1/2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/q1.aspx): Application of numbering, naming, addressing and identification plans for fixed and mobile telecommunication services |
| [SG3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/default.aspx) | [Q1/3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/q1.aspx): Development of charging and accounting/settlement mechanisms for international telecommunications services using the Next Generation Networks (NGNs) and any possible future development, including adaptation of existing D-series Recommendations to the evolving user needs  [Q2/3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/q2.aspx): Development of charging and accounting/settlement mechanisms for international telecommunications services, other than those studied in Question 1/3, including adaptation of existing D-series Recommendations to the evolving user needs  [Q3/3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/q3.aspx): Study of economic and policy factors relevant to the efficient provision of international telecommunication service  [Q4/3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/q4.aspx): Regional studies for the development of cost models together with related economic and policy issues |
| [SG9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/default.aspx) | [Q1/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q1.aspx): Transmission of television and sound programme signal for contribution, primary distribution and secondary distribution  [Q3/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q3.aspx): Methods and practices for conditional access, protection against unauthorized copying and against unauthorized redistribution ("redistribution control" for digital cable television distribution to the home)  [Q5/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q5.aspx): Functional requirements for residential gateway and set-top box for the reception of advanced content distribution services  [Q7/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q7.aspx): Cable television delivery of digital services and applications that use Internet protocol (IP) and/or packet-based data  [Q9/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q9.aspx): Requirements for advanced service capabilities for broadband cable home networks  [Q10/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q10.aspx): Requirements, methods, and interfaces of the advanced service platforms to enhance the delivery of sound, television, and other multimedia interactive services over cable television network |
| [SG11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/default.aspx) | [Q1/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q1.aspx): Signalling and protocol architectures in emerging telecommunication environments  [Q2/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q2.aspx): Signalling requirements and protocols for service and application in emerging telecommunication environments  [Q5/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q5.aspx): Protocol procedures relating to services provided by Broadband Network Gateways  [Q6/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q6.aspx): Protocol procedures relating to specific services over IPv6  [Q8/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q8.aspx): Guidelines for implementations of signalling requirements and protocols |
| [SG12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/default.aspx)  [QSDG](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/questions.aspx) | [Q1/12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/q1.aspx): SG12 work programme and QoS/QoE coordination in the ITU‑T  [Q11/12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/q11.aspx): Performance interworking and traffic management for Next Generation Networks  [Q12/12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/q12.aspx): Operational aspects of telecommunication network service quality  [Q17/12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/q17.aspx): Performance of packet-based networks and other networking technologies |
| [SG13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/default.aspx) | [Q1/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q1.aspx): Service scenarios, deployment models and migration issues based on convergence services  [Q2/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q2.aspx): Requirements for NGN evolution (NGN-e) and its capabilities including support of IoT and use of software-defined networking  [Q3/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q3.aspx): Functional architecture for NGN evolution (NGN-e) including support of IoT and use of software-defined networking  [Q5/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q5.aspx): Applying IMS, IMT and other new technologies in developing country mobile telecom networks  [Q13/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q13.aspx): Requirements, mechanisms and frameworks for packet data network evolution |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | [Q1/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q1.aspx): Coordination of access and Home Network Transport standards  [Q3/15](file:///C:/Users/dion/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/VZKF20J1/Q3/15): General characteristics of transport networks  [Q12/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q12.aspx): Transport network architectures |
| [SG17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/default.aspx) | [Q1/17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/q1.aspx): Telecommunication/ICT security coordination |
| [Question 2/1](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG01-RGQ02.1&stg=1): Broadband access technologies, including IMT, for developing countries | [SG9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/default.aspx) | [Q3/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q3.aspx): Methods and practices for conditional access, protection against unauthorized copying and against unauthorized redistribution ("redistribution control" for digital cable television distribution to the home)  [Q11/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q11.aspx): Transmission of multichannel analogue and/or digital television signals over optical access networks |
| [SG12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/default.aspx) | [Q17/12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/q17.aspx): Performance of packet-based networks and other networking technologies |
| [SG13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/default.aspx) | [Q5/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q5.aspx): Applying IMS, IMT and other new technologies in developing country mobile telecom networks |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | [Q1/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q1.aspx): Coordination of access and Home Network Transport standards  [Q2/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q2.aspx): Optical systems for fibre access networks  [Q4/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q4.aspx): Broadband access over metallic conductors  [Q15/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q15.aspx): Communications for Smart Grid  [Q18:15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q18.aspx): Broadband in-premises networking |
| [Question 3/1](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG01-RGQ03.1&stg=1): Access to cloud computing: challenges and opportunities for developing countries | [SG5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/default.aspx)  [FG-SSC](http://www.itu.int/en/ITU-T/focusgroups/ssc/Pages/default.aspx) | [Q17/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q17.aspx): Energy efficiency for the ICT sector and harmonization of environmental standards |
| [SG11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/default.aspx) | [Q14/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q14.aspx): Cloud interoperability testing |
| [SG13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/default.aspx) | [Q17/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q17.aspx): Cloud computing ecosystem, general requirements, and capabilities  [Q18/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q18.aspx): Cloud functional architecture, infrastructure and networking  [Q19/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q19.aspx): End-to-end Cloud computing service and resource management |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | [Q1/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q1.aspx): Coordination of access and Home Network Transport standards  [Q3/15](file:///C:/_Euchner/_ITU-T/ITU-T%20A.series/2015_01_Strengthening_cooperation_Tunisia/Q3/15): General characteristics of transport networks  [Q12/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q12.aspx): Transport network architectures |
| [SG17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/default.aspx) | [Q8/17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/q8.aspx): Cloud computing security |
| [Question 4/1](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG01-RGQ04.1&stg=1): Economic policies and methods of determining the costs of services related to national telecommunication/ICT networks, including next-generation networks | [SG3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/default.aspx) | [Q1/3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/q1.aspx): Development of charging and accounting/settlement mechanisms for international telecommunications services using the Next Generation Networks (NGNs) and any possible future development, including adaptation of existing D-series Recommendations to the evolving user needs  [Q2/3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/q2.aspx): Development of charging and accounting/settlement mechanisms for international telecommunications services, other than those studied in Question 1/3, including adaptation of existing D-series Recommendations to the evolving user needs  [Q3/3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/q3.aspx): Study of economic and policy factors relevant to the efficient provision of international telecommunication service  [Q4/3](http://www.itu.int/en/ITU-T/studygroups/2013-2016/03/Pages/q4.aspx): Regional studies for the development of cost models together with related economic and policy issues |
| [Question 5/1](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG01-RGQ05.1&stg=1): Telecommunications/ICTs for rural and remote areas | [SG5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/default.aspx) | [Q14/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q14.aspx): Setting up a low-cost sustainable telecommunication infrastructure for rural communications in developing countries |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | [Q1/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q1.aspx): Coordination of access and Home Network Transport standards  [Q3/15](file:///C:/_Euchner/_ITU-T/ITU-T%20A.series/2015_01_Strengthening_cooperation_Tunisia/Q3/15): General characteristics of transport networks  [Q12/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q12.aspx): Transport network architectures |
| [SG16](http://www.itu.int/en/ITU-T/studygroups/2013-2016/16/Pages/default.aspx) |  |
| [Question 6/1](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG01-RGQ06.1&stg=1): Consumer information, protection and rights: Laws, regulation, economic bases, consumer networks | [SG2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/default.aspx) | [Q1/2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/q1.aspx): Application of numbering, naming, addressing and identification plans for fixed and mobile telecommunication services  [Q4/2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/q4.aspx): Human factors related issues for improvement of the quality of life through international telecommunications |
| [SG11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/default.aspx) | [Q8/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q8.aspx): Guidelines for implementations of signalling requirements and protocols |
| [Question 7/1](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG01-RGQ07.1&stg=1): Access to telecommunication/ICT services by persons with disabilities and with specific needs | [SG2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/default.aspx) | [Q4/2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/q4.aspx): Human factors related issues for improvement of the quality of life through international telecommunications |
| [SG16](http://www.itu.int/en/ITU-T/studygroups/2013-2016/16/Pages/default.aspx) | [Q26/16](http://www.itu.int/en/ITU-T/studygroups/2013-2016/16/Pages/q26.aspx): Accessibility to multimedia systems and services |
| [JCA-AHF](http://www.itu.int/en/ITU-T/jca/ahf/Pages/default.aspx) |  |
| [Question 8/1](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG01-RGQ08.1&stg=1): Examination of strategies and methods of migration from analogue to digital terrestrial broadcasting and implementation of new services | [SG9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/default.aspx) | [Q3/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q3.aspx): Methods and practices for conditional access, protection against unauthorized copying and against unauthorized redistribution ("redistribution control" for digital cable television distribution to the home)  [Q7/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q7.aspx): Cable television delivery of digital services and applications that use Internet protocol (IP) and/or packet-based data  [Q8/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q8.aspx): The IP enabled multimedia applications and services for cable television networks enabled by converged platforms |
| [SG16](http://www.itu.int/en/ITU-T/studygroups/2013-2016/16/Pages/default.aspx) | [Q13/16](http://www.itu.int/en/ITU-T/studygroups/2013-2016/16/Pages/q13.aspx): Multimedia application platforms and end systems for IPTV |
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| [Question 1/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ01.2&stg=2): Creating the smart society: Social and economic development through ICT applications | [SG5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/default.aspx)  [FG-SSC](http://www.itu.int/en/ITU-T/focusgroups/ssc/Pages/default.aspx) |  |
| [SG13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/default.aspx) | [Q16/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q16.aspx): Environmental and socio-economic sustainability in future networks and early realization of FN |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | [Q1/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q1.aspx): Coordination of access and Home Network Transport standards  [Q3/15](file:///C:/_Euchner/_ITU-T/ITU-T%20A.series/2015_01_Strengthening_cooperation_Tunisia/Q3/15): General characteristics of transport networks  [Q12/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q12.aspx): Transport network architectures |
| [SG16](http://www.itu.int/en/ITU-T/studygroups/2013-2016/16/Pages/default.aspx) |  |
| [JCA-IoT](http://www.itu.int/en/ITU-T/jca/iot/Pages/default.aspx)  [IoT-GSI](http://www.itu.int/en/ITU-T/gsi/iot/Pages/default.aspx) |  |
| [Question 2/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ02.2&stg=2): Information and telecommunications/ICTs for e-health | [SG11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/default.aspx) | [Q1/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q1.aspx): Signalling and protocol architectures in emerging telecommunication environments |
| [SG12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/default.aspx) | [Q1/12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/q1.aspx): SG12 work programme and QoS/QoE coordination in the ITU‑T |
| [SG13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/default.aspx) | [Q2/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q2.aspx): Requirements for NGN evolution (NGN-e) and its capabilities including support of IoT and use of software-defined networking |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | [Q1/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q1.aspx): Coordination of access and Home Network Transport standards  [Q3/15](file:///C:/_Euchner/_ITU-T/ITU-T%20A.series/2015_01_Strengthening_cooperation_Tunisia/Q3/15): General characteristics of transport networks  [Q12/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q12.aspx): Transport network architectures |
| [SG16](http://www.itu.int/en/ITU-T/studygroups/2013-2016/16/Pages/default.aspx) | [Q28/16](http://www.itu.int/en/ITU-T/studygroups/2013-2016/16/Pages/q28.aspx): Multimedia framework for e-health applications |
| [SG17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/default.aspx) | [Q9/17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/q9.aspx): Telebiometrics |
| [Question 3/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ03.2&stg=2): Securing information and communication networks: Best practices for developing a culture of cybersecurity | [SG9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/default.aspx) | [Q3/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q3.aspx): Methods and practices for conditional access, protection against unauthorized copying and against unauthorized redistribution ("redistribution control" for digital cable television distribution to the home) |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | [Q1/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q1.aspx): Coordination of access and Home Network Transport standards  [Q3/15](file:///C:/_Euchner/_ITU-T/ITU-T%20A.series/2015_01_Strengthening_cooperation_Tunisia/Q3/15): General characteristics of transport networks  [Q12/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q12.aspx): Transport network architectures  [Q14/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q14.aspx): Management and control of transport systems and equipment |
| [SG17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/default.aspx) | [Q4/17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/q4.aspx): Cybersecurity |
| [Question 4/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ04.2&stg=2): Assistance to developing countries for implementing conformance and interoperability programmes | [SG11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/default.aspx) | [Q8/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q8.aspx): Guidelines for implementations of signalling requirements and protocols  [Q10/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q10.aspx): Service and networks benchmarking measurements  [Q11/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q11.aspx): Protocols and networks test specifications; frameworks and methodologies  [Q12/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q12.aspx): Internet of things test specifications  [Q13/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q13.aspx): Monitoring parameters for protocols and emerging networks  [Q14/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q14.aspx): Cloud interoperability testing  [Q15/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q15.aspx): Testing as a service (TAAS) |
| [JCA-CIT](http://www.itu.int/en/ITU-T/jca/cit/Pages/default.aspx) |  |
| [Question 5/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ05.2&stg=2): Utilization of telecommunications/ICTs for disaster preparedness, mitigation and response | [SG2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/default.aspx) | [Q3/2](http://www.itu.int/en/ITU-T/studygroups/2013-2016/02/Pages/q3.aspx): Service and operational aspects of telecommunications, including service definition |
| [SG5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/default.aspx) | [Q15/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q15.aspx): ICTs and adaptation to the effects of climate change |
| [SG11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/default.aspx) | [Q3/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q3.aspx): Signalling Requirements and Protocol for Emergency Telecommunications |
| [SG13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/default.aspx) | [Q2/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q2.aspx): Requirements for NGN evolution (NGN-e) and its capabilities including support of IoT and use of software-defined networking  [Q3/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q3.aspx): Functional architecture for NGN evolution (NGN-e) including support of IoT and use of software-defined networking |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | [Q1/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q1.aspx): Coordination of access and Home Network Transport standards  [Q3/15](file:///C:/_Euchner/_ITU-T/ITU-T%20A.series/2015_01_Strengthening_cooperation_Tunisia/Q3/15): General characteristics of transport networks  [Q12/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q12.aspx): Transport network architectures  [Q16/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q16.aspx): Outside plant and related indoor installation  [Q17/15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/q17.aspx): Maintenance and operation of optical fibre cable networks |
| [SG17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/default.aspx) | [Q4/17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/q4.aspx): Cybersecurity |
| [Question 6/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ06.2&stg=2): ICT and climate change | [SG5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/default.aspx) | [Q13/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q13.aspx): Environmental impact reduction including e-waste  [Q15/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q15.aspx): ICTs and adaptation to the effects of climate change  [Q16/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q16.aspx): Leveraging and enhancing the ICT environmental sustainability  [Q17/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q17.aspx): Energy efficiency for the ICT sector and harmonization of environmental standards  [Q18/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q18.aspx): Methodologies for the assessment of environmental impact of ICT  [Q19/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q19.aspx): Power feeding systems |
| [JCA-ICT&CC](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/default.aspx)  [FG-SSC](http://www.itu.int/en/ITU-T/focusgroups/ssc/Pages/default.aspx) |  |
| [Question 7/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ07.2&stg=2): Strategies and policies concerning human exposure to electromagnetic fields | [SG5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/default.aspx) | [Q7/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q7.aspx): Human exposure to electromagnetic fields (EMFs) due to radio systems and mobile equipment |
| [Question 8/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ08.2&stg=2): Strategies and policies for the proper disposal or reuse of telecommunication/ICT waste material | [SG5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/default.aspx) | [Q13/5](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q13.aspx): Environmental impact reduction including e-waste |
| [Question 9/2](http://www.itu.int/net4/ITU-D/CDS/sg/rgqlist.asp?lg=1&sp=2014&rgq=D14-SG02-RGQ09.2&stg=2): Identification of study topics in the ITU-T and ITU-R study groups which are of particular interest to developing countries | [SG9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/default.aspx) | [Q13/9](http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/q13.aspx): Work programme, coordination and planning |
| [SG11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/default.aspx) | [Q8/11](http://www.itu.int/en/ITU-T/studygroups/2013-2016/11/Pages/q8.aspx): Guidelines for implementations of signalling requirements and protocols |
| [SG12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/default.aspx) | [Q1/12](http://www.itu.int/en/ITU-T/studygroups/2013-2016/12/Pages/q1.aspx): SG12 work programme and QoS/QoE coordination in the ITU‑T |
| [SG13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/default.aspx) | [Q5/13](http://www.itu.int/en/ITU-T/studygroups/2013-2016/13/Pages/q5.aspx): Applying IMS, IMT and other new technologies in developing country mobile telecom networks |
| [SG15](http://www.itu.int/en/ITU-T/studygroups/2013-2016/15/Pages/default.aspx) | BSG/15 |
| [SG17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/default.aspx) | [Q1/17](http://www.itu.int/en/ITU-T/studygroups/2013-2016/17/Pages/q1.aspx): Telecommunication/ICT security coordination  BSG/17 |

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