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| INTERNATIONAL TELECOMMUNICATION UNION | **ICT&CC Joint Coordination Activity (JCA- ICT&CC)** |
| **TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2009-2012 | **Doc 52**  |
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| **Source:** | JCA Chairman and Co-Chairman |
| **Title:** | Report of the sixth meeting of JCA on ICT&CC (6 May 2011) |

# 1. General

The sixth meeting of JCA on ICT&CC was held on 6 May 2011 in Geneva under the Chairmanship of Mr. Ahmed Zeddam (Chairman) and Mr. Dave Faulkner (Co-Chairman). The meeting was face to face but some delegates participated remotely. List of participants is provided in **Annex B**. It includes remote participants.

# 2. Agenda

Doc.47R2 provided a draft agenda. It was approved.

# 3. Appointment of JCA Coordinators

Claude Monney (Swisscom) was appointed as Coordinator to Green Touch.

David Wood (European Broadcasting Union) was appointed as Coordinator to ITU-R.

The Coordinator to ITU-D was left open.

# 4. Discussion topics for this meeting

**Report from coordinators, etc:**

**a)** Ahmed Zeddam and Dave Faulkner gave a brief report of the last SG5 meeting, held in Geneva from 27 April to 5 May 2011. They presented the achievements of the meeting and recalled that during the meeting new Q22/5 and Q23/5 were discussed for the first time. A transcript is provided in Annex A.

**b)** Coordinator for ISO/IEC JTC 1(Mr. Yong Woon Kim) presented two contributions (Doc. 45/46). Document 45 summarizes liaison activities to JTC 1 Study Group on Energy Efficiency of Data Centers (SG-EEDC). Document 46 summarizes ISO, IEC and ISO/IEC JTC 1 activities related to the Green ICT.

**c)** Jean Manuel Canet (Rapporteur of Q18/5) reported progress on the six Recommendations on the methodologies for assessment of the environmental impacts of ICT under preparation within the activity of Q18/5. He also reported progress on the GHG Protocol Product Accounting and Reporting Standards Initiative, the output of this activity will be published in December 2011.

**d)** Cristina Bueti presented upcoming ITU’s events and projects including information on:

- ITU Symposium on ICTs, the Environment and Climate Change (7-8 July 2011/Ghana)

- WSIS Thematic Workshop “ICT Sector Engagement Towards a Green Economy: Pathways to Sustainable Energy for ALL” (18 May 2011/Geneva)

**-** ITU Green Standards Week (5-9 September 2011/Italy)

- ITU Green ICT Application Challenge

- Joint survey on e-waste (June 2011) in collaboration with UNEP Basel Convention, UNU, StEP Initiative and CEDARE

- Technical Specifications for Sustainability Standard for the ICT Sector together with UNEP, UNU and more than 20 partners.

**Special Session: “Coordination on Methodologies for the environmental impact assessment of ICT”**

This special session was jointly organized with the European Commission with the objective to facilitate coordination amongst standardization bodies and other key stakeholders involved in the development of methodologies for the environmental impact assessment of ICT.

EC recalled the need to develop compatible methodologies and presented its planning for 2011 and 2012. EC announced that the Digital Agenda Assembly Meeting will be held in Brussels on 16-17 June 2011and also that a road-testing of methodologies will be launched in September/October 2011. An assessment of these pilots will be conducted in 2012 and attention will be focused also on the enabling effects of ICTs.

**Other highlights: organizations announcing new activities**

**a)** Beniamino Gorini (Alcatel-Lucent) presented two contributions (Doc. 48/49). Document 49 summarizes ESTI EE work on energy efficiency. Document 48 refers to EU mandate M/462 on “Standardization mandate in the field of ICT to enable efficient energy use”.

**b)** Claude Monney (Swisscom) gave a brief report on Green Touch activities on energy consumption reduction.

**c)** John Smiciklas (RIM) informed about a Canadian project to reduce GHG emissions on data centres. The output of this project will be shared in June within SG5.

# 5. Future activities

The chairmen suggested that the next online meeting be held on 30 June 2011 from 12:00 to 14:00 hours (CEST). The possibility to hold the next meeting also physically was raised. It was envisaged the possibility to hold the meeting in conjunction with Q18/5 meeting, which will take place from 28 June to 1 July 2011 in Geneva.

Annex A

Ahmed Zeddam reported that Study Group 5 has spent the past seven hard working days on ICT and the Environment. WP3 deals with ICT and climate change. This includes several Questions.

Questions 17 and 20 were merged. Q20 is deleted and Q17 is now titled ‘Energy efficiency for ICT equipment and climate change standards harmonisation’. This question will deal with energy efficiency metrics and best practices and measurement methods for ICT energy efficiency. We will produce a new Recommendation L.metrics and a handbook on metrics. The new wording of Q17 was approved by SG5. This will be sent to TSAG for endorsement but in any case we can start working on the revised Question.

A proposal for a new question was made during the meeting. This concerns ICTs and due diligence requirements for minerals in conflict area. No firm agreement is made yet about this proposal.

Q18 deals with methodology. We will have a special session on this on behalf of the EU today. Jean-Manuel Canet will report progress on Q18 during this session. Good progress was made on the methodology for assessing the environmental impact of ICT in goods networks and services. Consent is expected at the next meeting. Good progress was made on the methodology for assessing the environmental impact of ICT in organisations. Gilbert Buty has an e-meeting scheduled to progress s this work further with the objective of gaining consent in September.

Q19 deals with power feed systems. A recommendation is being drafted, L.dc in close collaboration with ETSI. We are not sure about gaining consent at the next meeting but hopefully consent will be given by end of this study period in April 2012.

Q21 is on recycling and e-waste. A ‘hot potato’ during this meeting was revision of L.1000 dealing with a universal charger for mobile terminals and other handheld devices. This revision was consented yesterday, 5 May. This describes a detachable cable with USB on the charger side and micro-USB from the terminal side. There will be a transition time of 3 years until this is configuration becomes the universal standard. Also under scope of Question 21 is a draft Recommendation on ICT and rare metals. More work is needed to gain consent.

Finally there has been the approval of two new questions; Q22 on low cost telecommunications infrastructure in rural areas of developing countries. Franz Zichy was appointed Rapporteur. There was a Contribution from Sri Lanka on this topic to this meeting

Q23 met for the first time. This deals with ICT and adaption to climate change. Dave Faulkner was appointed Rapporteur and Nevine Tewfik was appointed Associate Rapporteur. In this Question we will have opportunity to collect and collate information on ICT and adaptation to climate change.

Dave Faulkner, Rapporteur Q23 reported that at this meeting a contribution was made on a ‘Survey of the types of ICT and standards to enable countries to adapt to climate change’. At this stage it is a skeleton document. Jean Plas of Q24/2 of ITU-D on ICT and Climate Change was invited to give an update on the activities of his Question. He has produced a draft Questionnaire to go to administrations on what technologies are required to assist in adaptation to climate change. We were invited to add to this questionnaire issues which are relevant to Questions 22 and 23 of SG5/ITU-T. An adhoc group was set up by the Rapporteurs to augment the questionnaire. This was approved yesterday at the plenary session of SG5. The idea of the questionnaire is to perform a review of the technologies and standards that enable communities to adapt to climate change. We will then become aware of what important gaps exist in the technology and standards. We need to consider the work already done in the area of ICT and disaster relief and build on those principles. Communities experiencing extreme weather events as they build up during the coming century will then be better able to adapt to shortages of water, food supply or damage to infrastructure for example. If there are administrations listening today who receive this questionnaire but may not have considered adaption to climate change in the contextof ICT please do your best to provide answers.

Annex B

List of participants

Ahmed Zeddam France Telecom Orange (France)

Dave Faulkner Climate Associates (UK)

Ludovico Panzieri Permanent Mission of Italy (Italy)

Daniela Torres Telefonica (Spain)

John Smiciklas RIM (Canada)

Ken McCann Microsoft (USA)

David Wood EBU (Switzerland)

Pierre Sicsic HP (France)

David Sanders GSMA (UK)

Gabriel Solomon GSMA (UK)

Beniamino Gorini Alcatel-Lucent (Italy)

Pierre Chastanet European Union

Feodora Von Franz European Union

Kyriakos Baxevanidis European Union

Colette Maloney European Union

Dominique Roche France Telecom Orange (France)

Jean-Manuel Canet France Telecom Orange (France)

Hideyuki Kanemitsu Fujitsu/JBCE (Belgium)

Osamu Namikawa Hitachi (Japan)

Gabriel Barta IEC

Kevin J. Houston European Union

Simon Forge European Union

Hironobu Yamamoto NTT (Japan)

Claude Monney Swisscom (Switzerland)

Yong Woon Kim ETRI (Korea)

Kurt Van der Herten IBM (Belgium)

Kirsty Macdonald Intel (USA)

Kari Lang Nokia (Finland)

Paul Muschamp BT (UK)

Hans-Otto Scheck Nokia Siemens Networks (Finland)

Cristina Bueti ITU/TSB (Switzerland)

Hiroshi Ota ITU/TSB (Switzerland)

Erica Campilongo ITU/TSB (Switzerland)

Pablo Palacios ITU/TSB (Switzerland)