|  |  |  |  |
| --- | --- | --- | --- |
| INTERNATIONAL TELECOMMUNICATION UNION | | | **ICT&CC Joint Coordination Activity (JCA- ICT&CC)** |
| **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2013-2016 | | | **Doc 123** |
| **English only**  **Original: English** |
|  |  | Lima, 5 December 2013 | |
|  | | | |
| **Source:** | JCA Chairman and Co-Chairman | | |
| **Title:** | Report of the thirteenth meeting of JCA on ICT&CC (5 December 2013) | | |

# 1.1 General

The Thirteenth Meeting of JCA on ICT and Climate Change was held on 5 December 2013 in Lima, Peru, under the Chairmanship of Mr. Ahmed Zeddam. The meeting focused on facilitating coordination with SDOs and regional organizations in the area of ICT and Climate Change.

# 1.2. Agenda and Scope

# The agenda (Doc. 115 rev 4) was approved without modification.

Mr Zeddam gave a brief report on the outcomes of the Telecommunication Standardization Advisory Group (TSAG) meeting in Geneva, on 4-7 June 2013. TSAG endorsed the continuation of JCA-ICT & CC without changes to the terms of reference. TSAG also created a new Review Committee, which will assist in setting the priorities and coordinating the ITU-T Study Groups.

Mr Zeddam also provided some highlights on the activities and collaborations with other SDOs of ITU-T Study Group 5 (ITU-T SG5). Mr. Zeddam highlighted that ITU-T SG5 has been working closely with ESTI-EE. The two entities organized joint meetings and have been working on common deliverables, such as the methodologies on the environmental impact assessment of ICTs.

Mr. Zeddam then provided participants with an update of expected outcomes and progress made during the on-going ITU-T SG5 meeting, in particular for Working Party 3 which started its work during the first week:

* Recommendation ITU-T L.1430 was approved;
* Consent is expected for the Recommendations ITU-T L.Green-batteries and ITU-T L.UPA portable;
* A supplement for Recommendation ITU-T L.1410 was produced;
* Significant progress was achieved on the development of the methodologies for the environmental impact assessment of ICTs, thanks to the successful collaboration with ESTI; the consent for this set of methodologies is expected in May 2014;

# 2. Presentations and Discussion

**2.1** **Coordination with SDOs and Regional Organizations**

2.1.1 Mr. Paolo Gemma, Report on ETSI EE, CEN/CENELEC ECO-CG, CEN/CLC/SSCCCG, EU JRC CoCs (Doc. 120 and 122)

Mr. Gemma gave an overview of the activities related to environmental sustainability carried out by CEN/CENELEC. In particular, he described the structures and deliverables of the specific groups, where ITU has a role of observer. The first group is a coordination mechanism on the eco-design field. This group though not involved in the development of standards, coordinates ongoing activities in this area. The second recently established group focuses on the issue of smart sustainable cities and communities and is planning to strengthen the collaboration with the ITU-T Focus Group on Smart Sustainable Cities.

Mr. Gemma also provided further information on the close cooperation established between ITU and ESTI that was earlier mentioned by the Mr. Zeddam. The two organizations have been collaborating, *inter alia*, on the improvement of the existing networks metrics and on the revision on the existing LCA standards.

2.1.2 Mr. Osamu Namikawa, Liaison Rapporteur to IEC TC111 and ISO/IEC JT1/SC39 (Doc. 118 and 119)

Mr. Namikawa presented the IEC TC111 role and activities on environmental standardization. The IEC TC111 was created in the October 2004 to deal with “Environmental Standardization for Electrical and Electronic Products and Systems”. Through its recurrent meetings, the experts of IEC TC111 have been developing guidelines, standards and technical reports on environmental issues, such as e-waste, energy efficiency and greenhouse gas emission assessment.

Mr. Namikawa also presented the ISO/IEC JTC1/SC39 work on environmental sustainability for and by the ICT sector. This group deals with standardization related to the intersection of resource efficiency and IT which supports environmentally and economically viable development, application, operation and management aspects. Mr. Namikawa described the structure and main deliverables under development, such as work on energy efficiency for data centers. He also mentioned the importance of engaging in active collaboration with the other SDOs in order to avoid duplication of efforts and support innovation.

2.1.3 Mr. Eduardo Gabelloni, CITEL (Doc. 121)

Mr. Gabelloni provided a detailed report on the workshop on “Environmentally Sound Management of E-waste” jointly organized by ITU and CITEL in Mendoza, Argentina, on 9 October 2013. Recognising the serious threat that e-waste puts on environment and human health, the participants of the workshop emphasized the need for a coordinated global response to this issue.

As the metal market has been globalized, Mr. Gabelloni explained, it is important to develop coordinated activities and rules at international level to manage e-waste. The management can be addressed with actions developed at the national level for certain activities however other actions on a regional / global basis will require greater economies of scale.

The enactment of public policies for recycling avoids the cost of raw material extraction and reduces the risk of toxic substances entering landfill. At the workshop, a consensus was reached which endorsed cooperation with countries and sector entities within the Latin American region as well as underlining the need to boost collaboration with global organizations such as ITU.

**2.2.** **Other Contributions**

2.2.1 Mr. Junoh An, Korea (Doc. 116)

Mr. An provided an overview of the Green ICT Forum of Korea and its activities.

The Republic of Korea has been making considerable efforts to promote ICT tools and solutions to tackle environmental challenges and combat climate change, in areas such as the reduction of greenhouse gas (GHG) emissions, e-waste, climate change adaptation and mitigation.

In particular, Korea established the “Green ICT Forum” in 2012. This Forum promotes international and national activities as well as best practices in ICTs use to protect the environment and combat climate change. The Forum boosts the enhancement of domestic green technologies. It also aims at facilitating the development of business models and international standards by working closely with SDOs such as ITU.

**3 Report on FG-SSC (Focus Group on Smart Sustainable Cities)**

Ms. Bueti gave a brief report on the Focus Group on Smart Sustainable Cities (FG SSC) on behalf of the Chairman, Ms. Silvia Guzman.

Created in February 2013, the FG SSC held two successful meetings so far: in Turin (Italy) on 8 May 2013 and in Madrid (Spain) on 17 September 2013. Its third meeting is due to take place in Lima (Peru) on 6 December 2013.

The FG SSC initiated its work, by agreeing on its structure and deliverables. Through its 4 working groups, the FG SSC has been drafting technical reports and specifications for smart sustainable cities.

Two documents in particular are at a mature stage. The first is a technical report on the definitions of smart sustainable cities. This report analyzes the attributes that define a smart sustainable city and aims at providing a framework for future standards on smart sustainable cities. The second technical report analyzes the Key Performance Indicators (KPIs) relevant to a smart sustainable city. Both documents will be further discussed during the third FG SSC meeting. FG SSC experts are also expected to start working on a new set of proposed deliverables on ICT infrastructure.

This FG SSC will also work in close collaboration with the recently created Focus Group on Smart Water Management, which will hold its first meeting in Lima on 10 December 2013.

Participation and contributions to the work of FG SSC are welcomed.

**4 Announcements of upcoming events**

Ms. Bueti provided an update on ITU-T Activities on ICTs, the Environment and Climate Change and activities planned for 2014 (Doc 117).

As part of ITU research activities, a new report on “The case of Korea: the quantification of GHG reduction effects achieved by ICTs” was published in May 2013. The purpose of this report was to demonstrate the potential GHG reductions by ICT services, estimate the reduced volume of GHG, and identify major ICT GHG reduction enablers in Korea. The report follows the methodology described in ITU-T Recommendation L.1410 and comprises of a review of more than 30 ICT services in a literature study and global benchmarking.

ITU continues to organize events to raise awareness of the role of ICTs with regards to the environment and climate change.

The following events taking place in Lima will be back to back with the ITU-T SG5 meeting:

* Workshop on “Smart Sustainable Cities in Latin America” (Lima, Peru, 5 Dec. 2013)
* Meeting of the Focus Group on Smart Sustainable Cities (Lima, Peru, 6 Dec. 2013)
* Workshop on "With ICT's everywhere - How safe is EMF in Latin America?" (Lima, Peru, 10 Dec. 2013)
* Meeting of the Focus Group on Smart Water Management (Lima, Peru, 10 Dec. 2013)

Ms. Bueti also disclosed other events which have been planned for the year 2014.

After the successful events held in Rome (2011) and Paris (2012), ITU has continued to set the precedence through the organization of Green Standards Weeks. The 3rd ITU Green Standards Week which took place in Madrid, Spain in September 2013, featured, inter alia, discussions on e-waste management, eco-rating scheme and Smart Sustainable Cities. The next Green Standards Week will be organized in 2014 and will act as a global platform for discussion and knowledge-sharing on environmental issues for the ICT community.

Furthermore, Ms. Bueti informed that the government of Uruguay will host a series of events dedicated to the overarching theme of “Smart Sustainable Cities” from 11-14 March 2014, in Montevideo, Uruguay. These events will be co-organized by ITU and UNESCO as part of their mandate to protect the environment and secure a sustainable future through the harnessing of ICTs. The series of events will take place at Mercosur’s Headquarters in Montevideo, Uruguay, with an agenda to further crucial themes including smart sustainable cities, environmentally sound management of e-waste, smart water management, human exposure to electromagnetic fields and the collaboration with Academia.

In addition, Ms. Bueti invited participants to attend these events.

# 5 Any other business

Mr. Zeddam thanked and congratulated the speakers for their valuable contribution.

# 6 Next Meeting

Mr. Zeddam announced that the Fourteenth Meeting of JCA-ICT&CC might be held in conjunction with the next ITU-T SG5 Working Party 3 meeting in May 2014 in Geneva. The date will be announced on the JCA ICT & CC website in due course. The Fifteenth Meeting of the JCA-ICT&CC will tentatively take place at the end of 2014 in conjunction with ITU-T SG5 meeting (venue and date to be confirmed).