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JOINT RESEARCH CENTRE
Institute for the Energy and Transport
Renewable Energies Unit

Ispra, 26 November 2012
RE/PB /pb/

Subject: Minutes of the Meeting of the working group on Energy Consumption of Broadband Communication Equipment and Networks, 26 October 2012, JRC Ispra

Presentations will be available at the JRC website:

<http://iet.jrc.ec.europa.eu/energyefficiency/ict-codes-conduct/energy-consumption-broadband-communication-equipment>

1. Opening, welcome, status of the Code of Conduct

Mr. Bertoldi (European Commission DG JRC) opened the meeting, welcomed the meeting participants. The participants introduced themselves. The main item on the agenda was the discussion on the current version (V4) with a view of updating it, if absolutely necessary (focussing on the 2013-2014 values), and preparing for a new version (V5). He also mentioned the issue of the increasing overlap between set-top boxes and broadband equipment.

2. Results for 2011

Mr. Bertoldi indicated which participants did not yet report for 2011. He said that producing a new reporting form was delayed but asked to the signatories to use the old reporting form to report by the end of November 2012 the results for 2011.

A new reporting form will be available to report the results for 2012 would be available in early 2013.

3. Discussion on revision of the Code of Conduct

Mr. Bolla (University of Genoa) presented results of the ECONET FP7 project on reduction of consumption of fixed networks by dynamic adaptation and smart standby. A reduction of 70% of energy consumption is estimated by applying the results of the project. Furthermore he provided an overview of energy issues connected to home networks and he gave suggestions for the revision of the Code of Conduct, including targets for 2015-2016.

Participants discussed using TEC (kWh/year) for a future version of the broadband Code of Conduct. One of the issues is that it might be difficult to agree on a usage pattern.

Mr. Van der Putten (Alcatel) presented comments from the Broadband Forum (fiber access network and metallic transmission working groups), including suggestions for changing section C.2 and several revised target values for OLT side in the current version. Targets for vectoring and bonding should be added in the next version (with target values for 2015-2016), taking into account different levels of vectoring.

Mr. Griffa (Telecom Italia) presents proposals for 2015-2016 and some changes for 2013-2014. This includes a suggestion for the measurement method of network equipment to put the fans at maximum speed. The suggestions are based on measurements (benchmarking) from existing equipment (first half 2012).

Mr. Roche (France Telecom) presented request of ETSI ATTM-AT3 to take into account the improvements regarding DOCSIS 3, which will not be ready before 2015-2016. Proposals on network equipment should be phrased in the wordings of the Code of Conduct.

Mr. Witschi (Swisscom) presented comments from Swisscom. Changes in the measurement method of ETSI will need to be considered in the new version of the Code of Conduct. It was remarked that sensors and smart plugs may not be included in the current definition of broadband equipment; this needs to be discussed for version 5. Also to be included in the discussion on version 5 is possible additional allowances for display (according to size).

Mr. Lunden (Teliasonora) questioned the use of clause A.4 (switching off the equipment); the issue is not that the equipment shall have an on-off switch (this is already regulation by the Ecodesign regulation 1275) but that if the consumer disconnects the equipment it works without problems when reconnected to the mains.

Mr. Brieskorn (Siemens) asked for an allowance for built-in switch function with 3 ports for VoIP phones; this needs in On mode + 0.8 W for idle mode + 1.2 W for version 4.1; to be added in table 15. He will send a more detailed proposal. Adding these allowances will allow Siemens to sign the Code of Conduct.

Mr. Lejeune (Broadcom) presented proposals for new technologies not covered by the current version of the Code of Conduct and to delay targets for some products. It seemed that not all products for which a delay was asked for are high volume product so they would be covered by the clause that 90 % of new equipment needs to comply. However, equipment with DOCSIS 3.0 and GPON simple modem are "high volume".

Mr. Thorne (BT) said that only providing the percentage of products meeting the targets (which should be at least 90 %) did not allow calculating absolute savings. Mr. Bertoldi added that regarding this issue he would like discuss the 90 % with the aim to remove this (so that 100 % of the equipment or ports needed to meet the targets) in version 5, because the 90 % creates a lot of confusion.

Mr. Lejeune offered to edit comments on version 4.1.

It was mentioned that revising targets just before the deadline does not provide a stable guidance, so this should be an exception.

Current additions will become version 4.1. Version 5 can introduce more structural changes; work on version 5 will have to be completed in 2013 (possibly by the end of June).

Timing for version 4.1 was decided as follows:

- Send comments on the proposals presented during the meeting, the deadline is 23 November 2012. Mr. Bertoldi will provide a version of the Code of Conduct with line numbers; please refer to the line numbers in the comments.
- Mr. Bertoldi will send around a draft for final agreement beginning of December 2012 with the aim of publishing the version 4.1 by the end of December 2012.

Timing for version 5 with 2015-2016 targets was discussed and decided as follows:

- Proposal for changes, targets etc to be submitted to Mr. Bertoldi by the end January 2013. Contributions should show the changes compared to the current Code of Conduct.
- A (possibly 2 day) meeting in March 2013 to discuss the proposals.
- Aim to agree and publish version 5 by the end of June 2013.

Mr. Bertoldi will send out an email to all stakeholders to let them express their interest in taking part in the further e-mail discussions on revision of the Code of Conduct.

4. AOB

Mr. Bertoldi closed the meeting at 16.30 and thanked all for their participation.