



Ispra, 17 June 2016

RE/PB /pb/

Subject: Minutes of the Meeting of the working group on Energy Consumption of Broadband Communication Equipment and Networks, 31 May and 1 June 2016, JRC Ispra

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

Mr. Bertoldi (European Commission DG JRC) opened the meeting and welcomed the meeting participants. The participants introduced themselves. The goal of the meeting was to finalize the new version of the Code of Conduct, following several teleconference over the past 9 months. Mr Bertoldi thanks all the experts that contributed and in particular Ms. Kozarev and Mr. Lejeune, who chaired respectively the Network and CPE working groups.

Only 2 Reports for 2015 were received from 2 companies (service providers), the deadline was end of May; more reports were expected in June. They delay was due to the late availability of the adapted reporting sheet, made available at the end of April. Note that the normal deadline for reporting was end of March. Mr. Bertoldi urged all companies that have signed the Code of Conduct to send the 2015 Annual Report by the end of June.

2. Discussion on the version 6 of the Code of Conduct

Introduction

Mr. Bertoldi will update the numbers (savings estimates) in the introduction.

1. Equipment covered

Mr. Bolla will add a paragraph on the relevance of Network Function Virtualization (NFV) approach in the future networking contests and on the opportunity of considering the problem of NFV component consumption and efficiency in future versions of the BB-CoC.

3. Commitment

After discussion it was agreed that the requirement that at least 90% of the new model items must meet the targets is based on the units sold (as percentage of total sales) in that year. For information, it will be also asked to report the units sold (as percentage of total sales) for other models (i.e. the models that were introduced in the years before).

A. General Principles

Mr. Bertoldi will check on the correct version of the Code of Conduct for EPS.

B. Definition of operation states

Regarding DOCSIS 3.1 parties did not agree on the definition on the on-state. Mr. Turner will contact CableLabs on this. Mr. Bertoldi will inform them that if no proposal is received within 6 weeks, the Code of Conduct will use an alternative.

C. Power Levels: targets and time schedule

The structure and text of this section was discussed and changes were agreed upon.

NE

The values proposed by different participants for 2017-2018 and 2019-2020 were discussed. For some equipment the proposals differed significantly depending on whether values were based on new equipment operating in a new platform or based on new variants of equipment operating on existing (or even legacy) platforms. Most targets were agreed upon, however:

- some are pending a check by Mr. Bolla (based on the 2015 data);
- some are indicative only, because there was no data to set a value. These indicative targets do not count regarding the (90 %) compliance with the Code of Conduct;
- some targets for 2019-2020 are to be confirmed (in 2017/2018), meaning that they will be discussed again in future meetings.
- It was agreed to add two more rows In Table 16 (DSL Broadband ports –full-load-state), VDSL2 (profile 35b) based on G.fast capable transceiver 14,5 dBm and VDSL2 (profile 35b) based on G.fast capable transceiver 17 dBm, together with the provisionally agreed targets. Following the discussion and seeking final agreement, Intel revised the original proposal for -0.2W.

A new section for cable network equipment was drafted, taking into account developments in CCAP.

All the targets will be confirmed in teleconferences in July and September (dates to be agreed).

CPE

The proposed target values for CPE were not discussed in detail. It was noted that some of the proposed values from participants were close(r) to each other, while others differed significantly. When the 2015 data would be available Mr. Bolla and Mr. Siderius will use this data and the proposals received so far to put forward a draft proposal for 2017-2018 targets. If the data is received by 30 June, the draft proposal will be send around before 15 July.

Mr. Siderius remarked that the large number of allowances decreased the transparency and thereby the credibility of the Code of Conduct, especially to stakeholders outside the participants. He suggested that either the number of allowances should be reduced significantly or a metric like the TEC (total energy consumption) should be introduced.

Proposals for such a change can be discussed at the next meeting and will be introduced in V7.

Conclusions:

It is the intention to finalize version 6 of the Code of Conduct in September 2016. Teleconferences will be organised to agree on the final Network and CPE power levels for 2017/2018.

D. Relevant reference documents as per outcome of the meeting

CoCv6.0.22 draft CPE&NE Workgroup - redline.docx
CoC NE v6.1.4 allowance proposal template - Intel_Huawei_Nokia.xlsx

CoCv6.0.9 CPE allowance proposal Unify+Intel+TelecomItalia+Broadcom+Huawei.xlsx

3. Reporting

Mr. Mignot proposed that participants report on all (compliant) products that were sold or procured in the reporting year (and not only the newly introduced models). However, for not-new models only the sales (as a percentage of total sales) and the year when they were reported as new model should be reported; the technical data need not be repeated. The reporting spreadsheet for 2016 will be changed accordingly.

4. AOB

- Since the experience with dial-in was not positive, these facilities will not be offered in future meetings.
- Next meeting date: around this time next year.

Mr. Bertoldi closed the meeting at 16.10 and thanked all for their participation.