



Ispra, 22 May 2013

RE/PB /pb/

Subject: Minutes of the Meeting of the working group on Energy Consumption of Broadband Communication Equipment and Networks, 15 and 16 April 2013, JRC Ispra

Present: see attached list

Presentations will be available at the JRC website:

<http://iet.jrc.ec.europa.eu/energyefficiency/ict-codes-conduct>

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

Mr. Bertoldi (European Commission DG JRC) opened the meeting and welcomed the meeting participants. He introduced his colleague, Ms Maschio, who will chair the meeting on the second day. The participants introduced themselves. The main item on the agenda today was the discussion on the revision of the Code of Conduct and preferably to finalize version 5. If not possible to agree on a final version, in any case a time table should be agreed to finalize version 5.

2. Discussion on revision of the Code of Conduct

The proposals for the revision of the Code of Conduct were presented according to the compilation of Prof. Bolla and discussed.

General

Scope: not only home equipment, but also SOHO. CoC does not cover enterprise equipment. This will be clarified in the text.

Timing of commitment: telecom operators propose a different time at which the targets should apply (section 3, point b)) in order to take into account qualification and adaptation of new equipment. It is suggested that the start of the formal procurement process is an appropriate point. Telecom operators will discuss amongst them to arrive at a final proposal within 1 month; BT and Orange will coordinate this.

CPE

Energy Efficient Ethernet: test method should include traffic rates for which EEE is activated; this should be clarified in the text. The CoC has only one on mode test; the

question is which traffic rate represents the actual use. According to Telecom Italia, the actual average traffic rate is rather moderate. A final proposal for the package size will be done by Broadcom and Telecom Italia.

Entry date into force of EEE: Broadcom wants a transitory period till 1 January 2017. To be discussed between participants in the next month; lead: Telecom Italia and Broadcom.

DOCSIS 3.0: change in text accepted. Traffic rates should be made consistent, unless there is a good reason not to.

Target values for 2015-2016 (tables 10-15): apart from the proposal from EConet only Broadcom (supported by several other vendors) provided alternative values for some of the functions which however in some cases deviated to a large extent from the EConet proposals. This was considered a limited dataset to finalize the requirements during this meeting.

Proposals for the 2015-2016 values should be sent to Mr. Bertoldi before June 1, 2013. The aim is then to finalize the CoC version 5 by September.

The proposal for the target values for displays in Table 11 will be based on display area; also it will be checked whether values for 2015-2016 can be made more ambitious than the values for 2013-2014.

Data for 2012: those signatories that have not yet provided data for 2012 are asked to do so as soon as possible.

Network equipment

Mains powered equipment: some adjustments.

Discussion on vectoring: measurement methodology included.

Broadband values: new row in table 16 on G.fast. It is doubted whether values can be already set. Some values are available. Alcatel-Lucent, Lantiq to coordinate this task.

Also numbers for the VDSL with ADSL fallback. Vectoring: discussion Telecoms with BBF. Industry position is including some telecoms. Only Telecom Italia against.

Amount of cancellation is influencing power consumption and has to be taken into account.

Table 17: low power mode; details for measurement needed to be sorted out. A real low power mode is not yet defined, but will probably by the end of the year.

Table 18: Vectoring does not include standby state.

Added table on MELT state.

Equipment up to 100 ports: reduce allowance per line.

Focus on more challenging targets for VDSL and not on more challenging targets for old technology as ADSL and POTS.

Discussion on table 20, XGPON. Reporting requirement for 2013-2014 and rounded down numbers for 2015-2016. Also other parts will be adapted; take the lower BBF proposals.

Note will be adapted.

Table 27

More functionality for cable network equipment. Input from ETSI and Cable industry. Cisco will do this.

Table 21: proposals from Telecom Italia. 2015-2016 values need to be added.

Table 23: no comment; accepted.

Table 24: some comments on the definitions, reference made to the relevant ETSI standards.

GSM: obsolete equipment.

Telecom Italia will come back with comments on LTE table.

Test method: speed of the fans. The state of the fan has to be reported. Conclusion find agreement on this and/or change the ETSI standard.

GAL: no public documents available. Publication delayed September 2013 + 6 months. No reference, delete.

Summary

The following study group were set up.

Study group	Participants	Arguments
WG1	Broadcom , Telecom Italia, Huawei	p. 17, line: 311-322, Ethernet on-state Table 7 – On-state
WG2	Broadcom , Econet (Lantiq), Huawei	Data and rationale for: Table 10 – Home gateways -WAN Table 11 – Home gateways - LAN Table 12 – Simple BB access devices
WG ??	NA	Table 13 – USB dongles

		Table 14 – HNID
all	<u>Paolo Gemma</u>	Table 16 – BB ports-DSL full load state Table 16a – BB ports-DSL full load state vectoring enabled
all	NA	Table 20 – OLT to comment
WG3	<u>BT</u> , Telecom Italia, Broadcom	Table 21-OLT for PtP ports (propose 2015-2016 targets)
WG4	<u>Alcatel</u> <u>Lucent</u> , Telecom Italia	To propose values for: table 24 – GSM/EDGE table 25 – WCDMA/HSDPA table 26 – wireless BB
WG5	<u>Cable Labs</u> , Cisco	Table 28 – Cable network (definitions and targets 2015-2016)
WG6	<u>Alcatel</u> <u>Lucent</u> , Telecom Italia, Pace Microtechnologies, Huawei	p. 50, 1.730, clarify and common proposal for fans and test methods

Note: Participants in **bold and underlined** are reporting for the working group

4. AOB

Ms. Maschio closed the meeting at 16.00 and thanked all for their participation.