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From: Steve Whitesell [swhitesell@vtech.ca]
Sent: Wednesday, December 08, 2010 6:03 PM
To: batterychargers@energystar.gov
Subject: Preliminary Comment and Question

Are the four times identified in Table 1 intended to be mutually exclusive?

I assumed they were, but the total time for Product Class 4 is then 27.1 hours. It is 24 hours for the other product classes except Class 2, where it is 24.1 hours. I can accept that as a possible rounding error.

The unplugged time is not defined. I can assume it means the time during the day when the battery charger is unplugged from ac power, but it should probably be so stated. All of the other times in Table 1 are at least implicitly defined in terms of the operating mode definitions.

The times shown in Table 1 have absolutely no basis in reality when it comes to cordless phones. The batteries in most cordless handsets will fall into Product Class 2 (typically rated either 2.4 V or 3.6 V).

Cordless telephones base units do not have any unplugged time (need to be plugged in for reasons described in next paragraph). I will need to check with our designers, but I expect the 9.7 hours/day shown for charging and maintenance are also far from reality (excessive) in terms of normal telephone usage.

It is also unclear to me how power used for non-battery-charging functions in a cordless telephone and/or cordless telephone/answering system combo unit is taken into account. These functions include the base unit monitoring the telephone line for incoming calls and monitoring the cordless handset for an indication the user wishes to place an outgoing call.

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