I was one of the authors of the PSMA commentary on the subject documents, and agree with the points brought out in that document. In addition, I offer the following, by document and line item:

Comments regarding units and symbols are based on ANSI/IEEE Std 260.1-1993.

BCS Program Requirements

- Line 109. Replace amp hours with ampere-hours (as stated in lines 105 and 106). This is the correct usage, as stated in ANSI/IEEE Std 260.1-1993. The use of "amp" is discouraged, as abbreviations like this are often ambiguous (amp is often used for amplifier) and don't survive a language translation.
- Lines 146, 147 and tables in lines 150 and 151. Replace "non-active" with "nonactive". Reference: Webster's New College Dictionary.
- Line 175 (table). Replace "Volts AC" with "volts ac" (unless you particularly want this to be in title case). Replace "50 Hz/60 Hz" with "50/60 Hz."
- Lines 181 and 183. Replace "115 Volts/60 Hz, etc." with "115 volts, 60 Hz"

Test Methodology

- Lines 60 and 61. Replace "non-active" with "nonactive". Reference: Webster's New College Dictionary.
- Line 93. Replace "115V" with "115 V"
- Line 98. Replace "60Hz" with 60 Hz"
- Lines 110 - 115. Be consistent with the use of "watt" or "W".   I recommend using the symbol "W", to be consistent with other usage in the document (V, Hz, etc.).
- Line 153. Replace "AC" with "ac".
- Line 168. Replace (Wh) with (W). To clarify this paragraph, change the sentence to read, "...performing the test, nominal battery voltage (V), rated battery capacity (Ah), nominal battery energy (Wh), battery maintenance power (W), standby power (W), accumulated nonactive energy (Wh), and non-active energy ratio (dimensionless)."

As stated in the PSMA comments, I recommend reducing the time to accomplish the Abbreviated Method test from 9 hours to 7 hours, by reducing the time in the maintenance mode (line 140) from 8 hours to 6 hours, so the entire test can be done in 7 hours (minimum) leaving time to record and summarize the data.

Thanks very much for the opportunity to participate!
Chuck Mullett

Chuck Mullett
Principal Systems Engineer
SYSTEM ENGINEERS

ON Semiconductor
805 933-4607 Fax: 805 933-0850
Cell: 8058570296
chuck.mullett@onsemi.com