



**Subject: iPad Sub-Battery Charging**

**Overview**

There have been numerous cases of iPad's not holding the contents of memory after replacing the Main Battery. This is usually due to the Sub-Battery not charged sufficiently to maintain power to the memory while the Main Battery is removed.

**Problem**

The problem is directly attributed to the Main Battery being removed from the iPad for long periods of time (> several minutes). The Sub-Battery is intended to maintain memory only for as long as it takes to replace the Main Battery. It takes the Sub-Battery approximately 24 hours to fully recharge from a discharged condition. If the iPad is left without a Main Battery longer than several minutes (less if the Sub-Battery were already partially discharged), the Sub-Battery will be discharged and will need to be recharged in order to keep the memory intact for the time it takes to replace the Main Battery.

**Solution**

Keep a Main Battery in the iPad while not in use or while in the Charging Cradle. The Sub-Battery will recharge as long as the Main Battery is not completely drained. This is true even while the iPad is in use or turned off. The Sub-Battery should last 5 years under normal conditions. Fully discharging the Sub-Battery will shorten the life of the Sub-Battery.

| INQUIRIES TO:  |                              | DATE  |
|--|------------------------------|-------|
| Fujitsu Frontech North America   |                              |       |
| Exchange: Sustaining Engineering   | _____ Sustaining Engineering | _____ |
| Mail: Fujitsu USA04, Sustaining Engineering  | _____                        | _____ |
| FAX: 858-731-4781 (7888-4781)  | _____ Product Manager        | _____ |
| Internet: <a href="mailto:SustainingEngineering@us.fujitsu.com">SustainingEngineering@us.fujitsu.com</a> | _____                        | _____ |
| FTP: <a href="ftp://ftp.ftxs.fujitsu.com/">ftp://ftp.ftxs.fujitsu.com/</a>                               | _____ Author                 | _____ |
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