

## NEC Cinema equipment extended Off – Supplement guidance sheet

Question: If the cinema equipment needs to shut down for an extended period, is there any concern with the IMS/Option card/PJ internal battery going bad, or discharging?

To help clarify, there should be no concerns, if the following is noted and confirmed.

### For NC1200C, NC2000C, NC3200S, NC3240S, NC900C, NC1100L:

- If there is an Enigma card (PN# NC-80LB01) in these units, please make sure it is fully charged (48 hrs. of full projector power On should be sufficient, light may remain Off during charging).
  - The Enigma charge normally remains for about 6 months, before recharge is necessary.
  - The battery requires 48 hours of continuous power for a full charge.
- The ICP board contains RTC battery, which is good for 6 years and Cert battery for 10 years, both from manufacture date of part.
- The CPU board has a super capacitor for RTC, which holds a charge for about 2 weeks.
  - Once the CPU super capacitor discharges completely; on next boot-up it will resync with ICP RTC.

### For NC2041L and NC3541L:

- The FMT board has a super capacitor for RTC, which holds a charge for about 2 weeks.
  - Once the FMT super capacitor discharges completely; on next boot-up it will resync with IMS RTC.
- The FMT board also contains Cert. battery, which is good for 10 years from manufacture date

### For NC1201L, NC1000C, NC1700L, NP-02HD, NC2402ML, NC2002ML and NC1802ML:

- The FMT board RTC relies on IMS/IMB RTC, it will resync with IMS/IMB RTC during next boot-up.
- The FMT board also contains Cert. battery, which is good for 10 years from manufacture date

### For NEC IMS (NP-90MS02):

- IMS has a battery which when properly charged, will have the charge remain for about 6 months before recharge is necessary.
  - To charge the IMS battery, you must place the IMS into a projector and then fully power On the projector, light may remain Off during charging.
  - The IMS battery requires 60 hours of continuous power for a full charge.

### For Service part / Option card:

- TI Interface card (Gore PWB), Enigma card and NC-80LB01 (Option card) have Certification battery, which requires charge to maintain device certificate.
  - These card's charge normally remains for about 6 months, before recharge is necessary.
  - To charge the battery, you must place the cards into a projector and then fully power On the projector.
  - The battery requires 48 hours of continuous power for a full charge.

\*RTC = Real Time Clock