

SQAD-6 Quality Control Notice (QCN)

Sub Code: BURN

Requirements for Electronic Circuit Card Purchase Orders

1. New Electronic Circuit Cards (ECCs)

- A. Testing to include burn-in of 100 hours for critical ECCs.
- B. Card shall be functionally tested post burn-in (dynamic circuit tests).
- C. Components shall be handled/shipped in accordance with ANSI N45.2.2, Level 'B' (anti-static containers if applicable).
- D. Test report shall be furnished upon completion of ECC testing.

2. Refurbished Electronic Circuit Cards (ECCs)

Refurbish per Exelon specifications. Refurbishment to determine and replace aged, failed or failing components. Any age sensitive components shall be replaced with new components.

- A. Electrolytic capacitors shall be replaced with new.
- B. Potentiometers and switches should be replaced.
- C. Clean ECC and re-coat (if applicable).
- D. Final testing is to verify the ECC meets original OEM specifications.
- E. Testing to include burn-in of 100 hours for critical ECC's.
- F. Card shall be functionally tested post burn-in (dynamic circuit tests).
- G. Components shall be handled/shipped in accordance with ANSI N45.2.2, Level 'B' (anti-static containers if applicable).
- H. Inspection, repair and test report shall be furnished upon completion of ECC refurbishment. If the ECC is Non-repairable, a failure analysis shall be provided and ECC returned to Exelon.

3. ECC Date of Manufacture/Repair/Refurbishment Requirements

Electronic circuit card (ECC) OEM or approved ECC repair/refurbishment facility shall procure and utilize electronic components of the latest (newest) date of manufacture. ECC's shall be marked with the date the ECC was repaired/refurbished or uniquely identified so that the repair/refurbishment date can be easily ascertained.