

SQAD-6 Quality Control Notices (QCN)

Sub Code: DEH

Digital Electro-Hydraulic

6.1 SCOPE:

The following are the Exelon Nuclear requirements for the purchase of new Turbine Digital Electro-Hydraulic (DEH) Controls electronic components and the repair of existing components.

6.2 PREREQUISITES:

- 6.2.1 For new components, only sections 6.3.3.A, 6.3.3.C, and 6.4 are applicable.
- 6.2.2 Rebuilt components are required to meet like new OEM specifications and any written Exelon Nuclear specifications contained in this document.

6.3 VENDOR TO SUPPLY THE FOLLOWING THREE REPORTS (as applicable based on Section B requirements):

- 6.3.1 Incoming Test (As Found) Report (At a minimum, the following results must be documented on the Incoming Test Report):
 - A Checkout using a test program that simulates card inputs and verifies correct card outputs.
 - B If needed to produce failure, document the effects of thermal changes.
- 6.3.2 Repair Report (The following repair results must be documented as a minimum on the Repair Report):
 - A Identification of any sub-components replaced due to failure.
 - B Identification of any sub-components replaced due to age (date codes).

6.3.3 Outgoing Test Report: (At a minimum, the following information must be documented on the Outgoing Test Report)

- A** Functionality test using a test program that simulates card inputs and verifies correct card outputs.
- B** If thermal changes were required to produce failure (see Incoming above), repeat changes and document proper operation under the changes.
- C** Verification of a successful 100 hour component burn-in.

6.4 GENERAL

6.4.1 Incoming, Repair and Outgoing Test Report copies, along with any replaced sub-components, will be sent to the Exelon Nuclear originating site marked in bold type: “Attention DEH System Engineer”.

6.4.2 One copy of the applicable reports above shall also be included with the component (inside shipment package).

6.4.3 Vendor shall be able to track each component by serial number for historical purposes.

6.4.4 Components shall be warranted for 90 days of operation or one year from the date of return shipment.

6.4.5 Vendor shall ship components in a static dissipative container.