Special Quality Assurance Documents (SQAD)

Sub Code: RERQ

Requirements for Reverse Engineering

1) Item is to be reverse engineered to OEM specifications to produce an identical item.

   - If OEM specifications are not available, measurements from submitted item shall be used and standard tolerances for item type shall be applied
   - Exelon may have drawings, photos, sketches or procedures for some items, and may be requested if not supplied with the item. Proprietary OEM documents will not be furnished

2) Supplier **shall not perform destructive testing** on any submitted item unless Exelon approval has been obtained prior to start of any work efforts.

3) All materials submitted for reverse engineering are to be maintained in accordance with the supplier's quality assurance program requirements such that traceability is maintained by vendor via tagging, traveler documents or similar measures.

   Note: If the item is Safety Related the reverse engineering activity shall be performed and controlled under vendor's QA Program that was audited and accepted by Exelon.

4) Vendor to provide a report of the reverse engineering activity including the basis of the original item and the methodology used. The report is to reference the Exelon Purchase Order and applicable Catalog-ID or Stock Code Number.

   - Drawings or sketches shall be submitted to Exelon for acceptance
   - Substitution of materials or other changes in design constitute a difference in form, fit or function that must be approved by Exelon prior to start of prototype or production work. A summary of all differences and basis why the differences are equal to or better than shall be provided to Exelon for acceptance

5) Upon completion of the reverse engineering study, the part is to be returned to Exelon.

   - The supplier shall certify that all tests and inspections were performed non-destructively
   - In the event that the vendor cannot reverse engineer this item, provide in writing to Exelon why the reverse engineering was not successful
   - The Report shall be addressed to the Exelon Buyer. The Report may be returned without the part via a separate transmittal (e.g. Email)