



# Q NOTE

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**Revisions:**

Rev	Originator / Date	Revised / Date	Approval / Date:	Description:
1	RPS / 8/20/13		REH 8/28/13	Originated

## **NON DESTRUCTIVE TESTING (NDT) REQUIREMENTS**

1.0 This Q-Note is to define the Non Destructive Test (NDT) requirements for all procured products processed for Caton Connector This Q-Note applies to, but is not limited to, the following Non Destructive Test methods:

Liquid Penetrant (PT) Magnetic Particle (MT)  
 Eddy Current (ET) Ultrasonic (UT)  
 Radiography (RT)

Note: Radiographic, Magnetic Particle, Eddy Current, & Ultrasonic Testing require Part Number (P/N) specific approvals as well as process approval by Caton Connector's NAS 410 Certified Level 3. P/N specific approvals may be accomplished by reviewing the detailed examination technique and inspection results (film, scans, etc.), as applicable, without witnessing the inspection at the supplier, at the discretion of the Caton Connector Level 3. This does not preclude initial process approval of the supplier and witnessing the inspection and technique development of similar production hardware.

2.0 All NDT personnel shall meet the minimum requirements of NAS 410.

3.0 All Caton Connector suppliers, subcontractors, NDT suppliers and their NDT sub tier suppliers that perform NDT for Caton Connector shall be approved by Caton Connector's Level 3 to the applicable NDT method in the Technical Data Package (TDP). Only NDT suppliers listed on the Caton Connector approved supplier listing (TC\_SL current revision) shall be utilized for NDT of Caton Connector product.

4.0 All NDT records & radiographs shall be retained by the supplier for a minimum of five years after completion of the purchase order.

5.0 All Caton Connector suppliers, subcontractors, NDT suppliers and their NDT sub-tier suppliers, shall be required to submit the following documentation to Caton Connector's Level 3 for approval prior to performing NDT inspection.

Written practice in accordance with NAS 410.

This document is an integral part of the contract (purchase order), which calls it out. The revision in effect at the time the purchase order was placed applies.
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- Documentation records showing proof that designated responsible Level 3 and all other NDT personnel (Trainees, Level 1 & 2) have met the minimum qualification, training, experience, and certification requirements of NAS 410. When an outside agency Level 3 is being utilized, their records shall also be submitted for approval, including formal training records, experience records, education records, and any qualification records.
- Applicable NDT method process procedure.
- All applicable technique sheets being utilized for NDT inspection, including but not limited to, Radiographic, Magnetic Particle, Penetrant Inspection, Eddy Current and Ultrasonic Inspection.
- Letter of designation of responsible Level 3 for each discipline.
- Calibration procedure of NDT equipment, if not in process procedures.
- Examples of the calibration of NDT equipment certification of conformances.
- Copy of current eye exams for NDT personnel.
- Cleaning procedures / Pre Penetrant Etching procedures, if applicable.
- If an outside agency is being utilized by a NDT supplier, a copy of the agency's written practice, along with the designated Responsible Level 3's qualification and certification records shall be provided for Caton Connector Level 3's review and approval .Once approved, the outside agency and the Responsible Level 3 will be noted in the Caton Connector approved supplier listing (TC\_SL\_current revision).

5.1 Any changes/revisions to the NDT Procedures, NDT Technique sheets, Caton Connector approved Outside Agency or Suppliers

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