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RHIC-MAG-R-7225-B

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1            Scope:

This procedure describes the requirements for the visual examination of a coil after it has been wound and cured.

2            Applicable Documents:

RHIC-MAG-Q-1004 Discrepancy Reporting Procedure

3            Requirements:

3.1          Material/Equipment:

High intensity lamp  
10x power magnifier

3.2          Inspection Procedure:

3.2.1        Perform a visual inspection of the coil using a high intensity lamp. Give attention to the following possible defects: broken or abraded insulation, dents in cable, delaminated turns, broken wires, loose or embedded foreign objects, loose wedges and broken or missing end pieces.

3.2.2        The following coil regions must be visually scrutinized: concave and convex surfaces, midplane surfaces, poleface surfaces, coil end regions.

3.2.3        When defects are suspected, inspect carefully with 10X magnifier to determine the extent of the damage. When inspection is completed, describe any defects with appropriate repair or corrective action on a discrepancy report as per RHIC-MAG-Q-1004.

4            Quality Assurance:

Insure all inspection and test operations have been verified and signed on the production traveler by the cognizant operator and that any discrepancies have been reported as per RHIC-MAG-Q-1004.

5            Preparation for Delivery:

N/A