

**Attachment to Westinghouse Letter NSD-NRC-96-4670**  
**Quality Assurance Program Requirements for RTNSS Systems, Structures, and Components**

**1      Organization**

The normal line organization may verify compliance with the requirements of this Document. A separate or dedicated quality assurance organization is not required.

**2      Quality Assurance Program**

It is expected that the existing body of supplier's procedures or practices will describe the quality controls applied to the subject equipment. A new or separate QA program is not required

**3      Design Control**

Measures shall be established to ensure that contractually established design requirements are included in the design. Applicable design inputs shall be included or correctly translated into design documents, and deviations therefrom shall be controlled. Normal supervisory review of the designer's work is an adequate control measure.

**4      Procurement Document Control**

Applicable design bases and other requirements necessary to assure component performance, including design requirements, shall be included or referenced in documents for procurement of items and services, and deviations therefrom shall be controlled.

**5      Instructions, Procedures, and Drawings**

Activities affecting quality shall be performed in accordance with documented instructions, procedures, or drawings of a type appropriate to the circumstances. This may include such things as written instructions, plant procedures, cautionary notes on drawings and special instructions on work orders. Any methodology which provides the appropriate degree of guidance to personnel performing activities important to component functional performance will satisfy this requirement.

**6      Document Control**

The issuance and change of documents that specify quality requirements or prescribe activities affecting quality shall be controlled to assure that correct documents are employed.

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**7 Control of Purchased Items and Services**

Measures are to be established to ensure that all purchased items and services conform to appropriate procurement documents.

**8 Identification and Control of Purchased Items**

Measures shall be established, where necessary, to identify purchased items and preserve their functional performance. Examples of circumstances requiring such control include the storage of environmentally sensitive equipment or material, and the storage of equipment or material that has a limited shelf-life.

**9 Control of Special Processes**

Measures shall be established to control special processes, including welding, heat treating, and non-destructive testing. Applicable codes, standards, specifications, criteria, and other special requirements may serve as the basis of these controls.

**10 Inspection**

Inspections shall be performed where necessary to verify conformance of an item or activity to specified requirements, or to verify that activities are being satisfactorily accomplished.

Inspections need not be performed by personnel who are independent of the line organization. However, inspections, where necessary, shall be performed by knowledgeable personnel.

**11 Test Control**

Measures shall be established, as appropriate, to test equipment prior to installation to demonstrate conformance with design requirements.

Tests shall be performed in accordance with written test procedures. Test results shall be recorded and evaluated to ensure that test requirements have been met.

**12 Control of Measuring and Test Equipment**

Measures shall be established to control, calibrate, and adjust measuring and test equipment at specific intervals.

**13 Handling, Storage, and Shipping**

Handling, storage, cleaning, packaging, shipping, and preservation of items shall be controlled to prevent damage or loss and to minimize deterioration.

**14 Inspection, Test, and Operating Status**

Measures shall be established to identify items that have satisfactorily passed required tests and inspections, and to indicate status of inspection, test, and operability as appropriate.

**15 Control of Nonconforming Items**

Items that do not conform to specified requirements shall be identified and controlled to prevent inadvertent installation or use.

**16 Corrective Action**

Measures shall be established to ensure that failures, malfunctions, deficiencies, deviations, defective components, and nonconformances are promptly identified, reported, and corrected.

**17 Records**

Records shall be prepared and maintained to furnish evidence that the above requirements for design, procurement, document control, inspection, and test activities have been met.

**18 Audits**

Audits which are independent of line management are not required, if line management periodically reviews and documents the adequacy of the supplier's processes and takes any necessary corrective action. Line management is responsible for determining whether reviews conducted by line management or audits conducted by an organization independent of line management are appropriate.

If performed, audits shall be conducted and documented to verify compliance with design and procurement documents, instructions, procedures, drawings, and inspection and test activities.