§ 72.146  Design control.

(a) The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures to ensure that applicable regulatory requirements and the design basis, as specified in the license or CoC application for those structures, systems, and components to which this section applies, are correctly translated into specifications, drawings, procedures, and instructions. These measures must include provisions to ensure that appropriate quality standards are specified and included in design documents and that deviations from standards are controlled. Measures must be established for the selection and review for suitability of application of materials, parts, equipment, and processes that are essential to the functions of the structures, systems, and components which are important to safety.

(b) The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures for the identification and control of design interfaces and for coordination among participating design organizations. These measures must include the establishment of written procedures among participating design organizations for the review, approval, release, distribution, and revision of documents involving design interfaces. The design
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§ 72.154 Control of purchased material, equipment, and services.

(a) The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures to ensure that purchased material, equipment, and services, whether purchased directly or through contractors and subcontractors, conform to the procurement documents. These measures must include provisions, as appropriate, for source evaluation and selection, objective evidence of quality furnished by the contractor or subcontractor, inspection at the contractor or subcontractor source, and examination of products upon delivery.

(b) The licensee, applicant for a license, certificate holder, and applicant for a CoC shall have available documentary evidence that material and services acquired meet the requirements of the procurement documents.

§ 72.155 Instructions, procedures, and drawings.

The licensee, applicant for a license, certificate holder, and applicant for a CoC shall have a quality assurance program that includes control measures for the preparation of written instructions, procedures, and drawings to ensure that they provide the necessary information to meet the requirements of the procurement documents.

§ 72.156 Document control.

The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures for document control, including the classification, processing, issuance, distribution, and disposal of documents, to ensure that only authorized personnel have access to the documents and that changes to the documents are managed properly.

§ 72.157 Source control.

The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures to control the sources of purchased material, equipment, and services, including the evaluation of suppliers and the traceability of the materials and services furnished.

§ 72.158 Testing and inspection.

The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures for the testing and inspection of purchased material, equipment, and services to ensure that they meet the requirements of the procurement documents.

§ 72.159 Quality assurance and control.

The licensee, applicant for a license, certificate holder, and applicant for a CoC shall have a quality assurance program that includes measures for the control of purchased material, equipment, and services, including the preparation of written instructions, procedures, and drawings, document control, and testing and inspection.

§ 72.160 Inspection and testing.

The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures for the inspection and testing of purchased material, equipment, and services to ensure that they meet the requirements of the procurement documents and that the results of the inspections and tests are documented.

§ 72.161 Qualification.

The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures for the qualification of suppliers and subcontractors to ensure that they meet the requirements of the procurement documents.

§ 72.162 Acceptance criteria.

The licensee, applicant for a license, certificate holder, and applicant for a CoC shall establish measures for the acceptance of purchased material, equipment, and services, including the establishment of acceptance criteria that are consistent with the requirements of the procurement documents.