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NOTICE ON NUCLEAR SCOPE STATEMENTS

SCOPE

This notice describes the scope statements for N-Type Certificates of Authorization, Certificates of Authorization (Corporate), Quality System Certificates, Quality Assurance Program Certificates, G Certificates, and Graphite Quality System Certificates which are managed by the ASME Committee on Nuclear Certification.

PURPOSE

The purpose of this notice is to simplify and standardize scope statements. The scope wording is based on Tables NCA-8100-1, WA-8100-1, and HAB-8100-1 and provides more concise scope statements to describe the scope of activities a certified company is authorized to perform.

A. **N, NV, and N3 Certificates**

N, NV, and N3 Certificate scopes will list individual components and their class of construction for which the Certificate Holder is authorized to construct with the exception of miscellaneous items (NCA-1270). Listing of miscellaneous items on Certificates will not be required. Organizations holding the appropriate N-type Certificate of Authorization for construction, fabrication, and installation may construct, fabricate, or install miscellaneous items. An example of a full-scope statement for each Division would be:

A.1 **N Certificates**

Division 1: Construction of Class 1, 2, 3 & MC vessels; Class 1, 2 & 3 pumps, valves, piping systems; Class 3 polyethylene piping system; Class 2 & 3 storage tanks; and Class CS core support structures

Division 2: Construction of Class CC concrete containments

Division 3: Construction of Class TP transportation packaging (**Limited Availability**)

Note: Class TP for Division 3 Transport Packaging is available on a limited basis for the N Certificate when working to the 1995 Edition, 1997 Addenda up to and including the 1998 Edition, 2000 Addenda. Class TP is available only when the N Certificate Holder has an existing contract/purchase order requiring this class of construction.

Division 5: Construction of Class A & B vessels, Class A & B pumps, valves, piping systems; Class B storage tanks; and Class SM metallic core support structures

A.2 **NV Certificates**

Division 1: Construction of Class 1, 2 & 3 pressure relief valves

Division 5: Construction of Class A & B pressure relief valves

A.3 N3 Certificates

Division 3: Construction of Class TC transportation containments, Class SC storage containments, and Class ISS internal support structures

A.4 N & N3 Certificates of Authorization (Subcontracting Type)

N & N3 Certificates of Authorization that are issued to engineering organizations with scopes that authorize the construction of components for which overall responsibility is retained and for which fabrication and installation are subcontracted to appropriate Certificate of Authorization Holders are typically referred to as N Certificates (Subcontracting). N Certificates (Subcontracting) scopes may list individual components and their class of construction or may identify the Division of the Code for all classes of components within that Division. An example of a full scope statement for an N Certificate (Subcontracting) Division 1 Component and an N3 Certificate (Subcontracting) Division 3 Components would be:

Division 1: Construction of Section III, Division 1 components for which overall responsibility is retained and for which fabrication and installation are subcontracted to appropriate Certificate Holders

Division 3: Construction of Section III, Division 3 components for which overall responsibility is retained and for which fabrication and installation are subcontracted to appropriate Certificate Holders

Division 5: Construction of Section III, Division 5 metallic components for which overall responsibility is retained and for which fabrication and installation are subcontracted to appropriate Certificate Holders

Note 1: This scope is not available to an N Certificate Holder under Division 2 as engineering and design is the responsibility of the Division 2 Designer per NCA-3300 and not the Division 2 N Certificate Holder.

Note 2: For Division 1, Class 3 polyethylene piping systems will be identified in the scope to indicate the Certificate Holder's ability to assume responsibility for Class 3 polyethylene piping systems. When included in the scope, a demonstration of the implementation of Class 3 polyethylene piping system activities is required to be included in the program demonstration presented to the ASME Survey Team.

A.5 N, NV, and N3 Certificates with Shop Assembly

For Division 1 N and NV Certificates and Division 3 N3 Certificates, shop assembly (NCA- 8152/WA8153) of components to components, or appurtenances to components and piping subassemblies or other items are understood to be included in the scope for work on components or appurtenances where the N or N3 Certificate Holder will apply the Certification Mark with N or N3 Designator. An example of a full scope statement with shop assembly added for a Division 1 N and Division 3 N3 Certificate would be:

Division 1: Construction of Class 1, 2, 3 & MC vessels; Class 1, 2 & 3 pumps, valves, piping systems; Class 3 polyethylene piping systems; Class 2 & 3 storage tanks; Class CS core support structures

Division 3: Construction of Class TC transportation containments, Class SC storage containments, Class ISS internal support structures.

Note: Under Division 1 and Division 3, "Class 1, 2 & 3 shop assembly limited to components certified by the Certificate Holder" is understood to be included in the above full scope statements.

Note: Under Division 2, there are no shop assembly activities that require the application of the Certification Mark with the N Certification Designator separate from the Certification Mark that is applied to the containment.

A.6 Self-Imposed Limitations for N, NV, and N3 Items

Where permitted in the Code, self-imposed limitations shall be allowed as requested on the application. The types of self-imposed limitations allowed are Code Cases, product size or type, and Code edition/addenda. For Certificate Holders who do not perform welding in their fabrication process, a limited scope may be requested to allow fabrication by mechanical means only (e.g. compression, bending, and fasteners). Examples of scope statements that include a limitation would be:

1. Code Case

See Section I for an example.

2. Product Size/Type

Construction of Class 1, 2 & 3 pumps and valves limited to 2-inch and less pipe inlet connections

3. Code Edition/Addenda

Construction of Class 1, 2 & 3 pressure relief valves limited to the 1980 edition, 1981 addenda, and earlier

4. Non-Welded Construction

Construction of Class 1, 2 & 3 valves by mechanical means only

A.7 Discussion on Simplification of N, NV, and N3 Certificate Scopes

With the exception of the elimination of miscellaneous items, no changes have been made to the N, NV, and N3 certificate scope listing of individual components since the components identified in ASME, Section III, Tables NCA-8100-1, and WA-8100-1 are diverse in the controls that need to be addressed in the Quality Assurance Manual and demonstrated to a Survey Team.

B. NPT and NS Certificates

NPT and NS Certificate scopes will list two types of activities, **Fabrication Without Design Responsibility** and **Fabrication with Design Responsibility**. With the exception addressed below for support fabrication under an NPT Certificate to the 1998 Edition, 1998 Addenda, and earlier, a detailed listing of product forms on the NPT Certificate will not be required and NS Certificate scopes will address support fabrication in accordance with current Section III Code requirements.

Fabrication Without Design Responsibility authorizes the fabrication of items that are designed by another Certificate Holder (N Certificate Holder) who retains Code design responsibility (i.e., items with an NPT Certification Designator that require the Certification Mark including supports fabricated to the 1998 Edition, 1998 Addenda, and earlier).

Fabrication With Design Responsibility authorizes the design and fabrication of “**appurtenances**” with an NPT Certification Designator requiring the Certification Mark by the Holder of the NPT Certificate, who retains the Code design responsibility, or the design and fabrication of “**supports**” by an NS Certificate Holder. “**Appurtenances**” and “**Supports**” will be listed in the scope of each Certificate. “Fabrication With Design Responsibility” also authorizes “Fabrication Without Design Responsibility”. The scope will include a combination of the two statements when both activities are performed.

An example of a full scope statement for each activity in each Division would be:

B.1 NPT Fabrication Without Design Responsibility

Division 1: Class 1, 2, 3, CS & MC fabrication including Class 3 fabrication using polyethylene material without design responsibility

Division 2: Class CC fabrication without design responsibility

Division 3: Class TC and SC fabrication without design responsibility

Note: Class TP Fabrication Without Design Responsibility for Division 3 Transport Packaging Fabrication is available on a limited basis for the NPT Certificate when working to the 1995 Edition, 1997 Addenda up to and including the 1998 Edition, 2000 Addenda. Class TP is available only when the NPT Certificate Holder has an existing contract/purchase order requiring this class of fabrication.

Division 5: Class A & B fabrication without design responsibility

B.2 NS Fabrication Without Design Responsibility

Division 1: Class 1, 2, 3 & MC fabrication without design responsibility for supports

Division 2: NS scope not available

Division 3: NS scope not available

Division 5: Class A & B fabrication without design responsibility for metallic supports

B.3 NPT Fabrication With Design Responsibility

Division 1: Class 1, 2, 3, CS & MC fabrication with design responsibility for appurtenances

Division 2: Class CC fabrication with design responsibility for appurtenances

Division 3: NPT scope with design responsibility not available

Note: Under Division 3, design responsibility is retained only by the organization that obtains an N3 Certificate of Authorization (Design Owner's Certificate of Accreditation for Class TP Division 3 Transport Packaging to the 1995 Edition, 1997 Addenda up to and including the 1998 Edition, 2000 Addenda) and, therefore, a scope of "Fabrication with Design Responsibility" is not available under an NPT Certificate of Authorization for Division 3.

Division 5: Class A & B fabrication with design responsibility for appurtenances

B.4 NS Fabrication With Design Responsibility

Division 1: Class 1, 2, 3 & MC fabrication with design responsibility for supports

Division 2: NS scope not available

Division 3: NS scope not available

Division 5: Class A & B fabrication with design responsibility for metallic supports

B.5 NPT Fabrication Without and With Design Responsibility

Division 1: Class 1, 2, 3, CS & MC fabrication including Class 3 fabrication using polyethylene material without design responsibility and Class 1, 2, 3, CS & MC fabrication with design responsibility for appurtenances

Division 2: Class CC fabrication without design responsibility and with design responsibility for appurtenances

Division 3: NPT Scope with Design Responsibility not available (See B.1 - "NPT Fabrication Without Design Responsibility")

Note: Under Division 3, design responsibility is retained only by the organization that obtains an N3 Certificate of Authorization (Design Owner's Certificate of Accreditation for Class TP Division 3 Transport Packaging to the 1995 Edition, 1997 Addenda up to and including the 1998 Edition, 2000 Addenda) and, therefore, a scope of "Fabrication With Design Responsibility" is no available under an NPT Certificate of Authorization for Division 3.

Division 5: Class A & B fabrication without design responsibility and Class A & B fabrication with design responsibility for appurtenances

B.6 NS Fabrication Without and With Design Responsibility

Division 1: Class 1, 2, 3 & MC fabrication without design responsibility and with design responsibility for supports

Division 2: NS scope not available

Division 3: NS scope not available

Division 5: Class A & B fabrication without design responsibility and with design responsibility for metallic supports

B.7 Exception for Supports Fabrication under an NPT Certificate to the 1998 Edition, 1998 Addenda and earlier

Class 1, 2, 3, & MC Fabrication of Supports with or without Design Responsibility is available for the NPT Certificate but is limited to the 1998 Edition, 1998 Addenda, and earlier. The 1998 Edition, 1999 Addenda, and later require Supports to be fabricated by an NS Certificate Holder. Additionally, the 2001 Edition (NCA-3681 footnote 5) authorizes an NS Certificate Holder to provide support to previous Code Editions and Addenda without stamping and ANI inspection (and now currently published under NCA-3681(g)). An example of a full-scope statement with Fabrication of Supports to the 1998 Edition, 1998 Addenda, and earlier would be:

Division 1: Class 1, 2, 3, CS & MC fabrication including Class 3 PE plastic pipe fabrication without design responsibility and fabrication with design responsibility for Class 1, 2, 3, CS & MC appurtenances and Class 1, 2, 3 & MC supports (supports limited to the 1998 edition, 1998 addenda and earlier editions and addenda of the Code)

B.8 Self-Imposed Limitations for NPT & NS Items

Where permitted in the Code, self-imposed limitations shall be allowed as requested on the application. The types of self-imposed limitations allowed are Code Cases, product size or form, and Code edition/addenda. For Certificate Holders who do not perform welding in their fabrication process, a limited scope may be requested to allow fabrication by mechanical means only (e.g. compression, bending, and fasteners). Examples of scope statements that include a limitation would be:

1. **Code Case**

See Section I for an example.

2. **Product Size/Type**

Class 1, 2 & 3 fabrication without design responsibility of tubular products welded with filler metal limited to material specification testing

Construction of Class 1, 2 & 3 component/standard support limited to (primary/secondary) members only

Construction of Class 1, 2 & 3 component supports limited to (plate and shell / linear type) only

3. **Code Edition/Addenda**

Class 1, 2, 3 & MC fabrication without design responsibility for supports limited to the 1998 edition and earlier

4. **Non-Welded Fabrication**

Class 1, 2 & 3 fabrication by mechanical means only without design responsibility

B.9 Discussion on Simplification of NPT and NS Certificate Scopes

The ASME has determined that the detailed listing of product forms on an NPT Certificate is not necessary, since the controls that need to be demonstrated are the same for all products with the NPT Certification Designator and stamped with the Certification Mark, with the exception of design and Class 3 fabrication using polyethylene material. An N or an NPT Certificate Holder may retain Code responsibility for the design of “Appurtenances” and an N or an NS Certificate Holder may retain Code responsibility for the design of “Supports”. Accordingly, an NPT Certificate Holder who designs and fabricates “Appurtenances” and an NS Certificate Holder who designs and fabricates “Supports” would need to demonstrate design capability and design controls to a Survey Team, whereas an NPT or NS Certificate Holder who fabricates to requirements provided by an N Certificate Holder retaining the Code design responsibility would demonstrate fabrication activities only. The new NPT and NS Certificate scopes will therefore list Fabrication either with or without Design Responsibility and NPT Certificate scopes will not restrict the product forms that may be fabricated by an NPT Certificate Holder with the exception of Class 3 fabrication using polyethylene material.

A demonstration of Class 3 fabrication using polyethylene material activities is required to be included in the program demonstration/implementation presented to the ASME Survey Team for inclusion of the “Class 3 fabrication using polyethylene material” scope. If an NPT Certificate Holder desires to provide their customers with a more detailed description of their fabrication capabilities, it is suggested they provide that description in their QA program and their sales literature.

C. NA Certificates

NA Certificate scopes will list two types of activities, “Field Installation” and “Shop Assembly”. Detailed listing of product forms on the NA Certificate will not be required. “Field Installation” authorizes the installation of items requiring the Certification Mark with the NA Certification Designator at a field site, and “Shop Assembly” authorizes the assembly of items requiring the Certification Mark with the NA Certification Designator in a shop and furnishing the assembled items to another Certificate Holder for completion of construction and application of the Certification Mark by an N Certificate Holder. An example of a full scope statement for each activity under Division 1 would be:

C.1 **Field Installation**

Division 1: Class 1, 2, 3, CS & MC field installation including Class 3 installation of polyethylene items

Division 5: Division 5: Class A, B and SM field installation

C.2 **Shop Assembly**

Division 1: Class 1, 2 & 3 shop assembly including Class 3 shop assembly of polyethylene items

Notes: (1) Under Division 2, an N Certificate Holder performs assembly activities, and, therefore, there is no scope available to organizations seeking a certificate for Division 2 shop assembly and field installation.

(2) Under Division 3, an N3 Certificate Holder performs assembly activities, and, therefore, there is no scope available to organizations seeking a certificate for Division 3 shop assembly and field installation.

Division 5: Class A, B and SM shop assembly

C.3 **Self-Imposed Limitations for NA Items**

Where permitted in the Code, self-imposed limitations shall be allowed as requested on the application. The types of self-imposed limitations allowed are Code Cases, product size or type, and Code edition/addenda. For Certificate Holders who do not perform welding in their fabrication process, a limited scope may be requested to allow fabrication by mechanical means only (e.g., compression, bending, and fasteners). Examples of scope statements that includes a limitation would be:

1. **Code Case**

See Section I for an example.

2. **Product Size/Type**

Class 1, 2 & 3 shop assembly of pumps and valves limited to 2-inch and less pipe inlet connections

3. **Code Edition/Addenda**

Class 1, 2 & 3 shop assembly limited to the 1980 edition, 1981 addenda, and earlier

4. **Non-Welded Assembly**

Class 1, 2 & 3 shop assembly and Class 1, 2 & 3 field installation by mechanical means only

C.4 **Discussion on Simplification of NA Certificate Scopes**

The ASME has determined that the detailed listing of product forms on an NA Certificate is not necessary, since the controls that need to be demonstrated for either installation or assembly are the same for all items with the NA Certification Designator and stamped with the Certification Mark with the exception of Class 3 polyethylene items. The NA Certificate scopes will therefore list either "Field Installation" or "Shop Assembly" and will not restrict the product forms that may be installed or assembled by an NA Certificate Holder with the exception of Class 3 polyethylene items. A demonstration of Class 3 installation or assembly of polyethylene items activities is required to be included in the program demonstration/implementation presented to the ASME Survey Team for inclusion of the "Class 3 polyethylene items" scope. If an NA Certificate Holder desires to provide their customers with a more detailed description of their installation

capabilities, it is suggested they provide that description in their QA program and in their sales literature.

D. Quality System Certificates

New or renewed Quality System Certificate scopes will now use the term “Furnishing” instead of the terms “Manufacturing” and “Supply” to identify the certificate holders’ material activities and will list four types of material, “Metallic”, “Concrete”, “Polyethylene” and “Welding Material”. The terms “ferrous” & “nonferrous” in relation to metallic material will no longer be used.

D.1 Furnishing Metallic Material under NCA-3300 (previously NCA-3800).

The QS Certificate scope is intended to describe the primary material activities of the certified “Material Organization” under NCA-3300. The following additional operations may be added to Quality System Certificates upon request of the applicant and demonstration to an ASME Survey Team:

- Shipment of material from qualified material organizations to other parties
- Qualification of noncertified material organizations
- Utilization of unqualified source material
- Approval and control of suppliers
- Operations affecting chemical composition, mechanical properties, and/or product form

An example of a full-scope statement with optional operations for furnishing material under NCA-3300 would be:

Material Organization furnishing metallic material and welding material including the shipment of material from qualified material organizations to other parties, qualification of noncertified material organizations, utilization of unqualified source material, approval and control of suppliers and operations affecting chemical composition, mechanical properties, and/or product form.

D.2 Nonmetallic Material Manufacturing and Supplying Activities Under NCA-3300 (previously NCA-3920).

Examples of a full-scope statement for nonmetallic material manufacturing and supplying activities under NCA-3300 would be:

- **Manufacturing**

Nonmetallic material manufacturer manufacturing plastic concrete and grout

Note: Such scopes are not available for suppliers of nonmetallic material

- **Supplying**

Nonmetallic material constituent supplier supplying admixtures, aggregates, cement, cement grout, and ice & water

Note: As defined under NCA-9200 a Nonmetallic Material Constituents Supplier manufactures, produces and supplies; the use of the term “supplying” encompasses all these activities.

D.3 Polyethylene Material Organization Manufacturing and Supplying Activities Under NCA-3300 (previously NCA-3970)

Examples of a full scope statement for nonmetallic material manufacturing and supplying activities under NCA-3300 would be:

- **Manufacturing Polyethylene Material**

Polyethylene Material Manufacturer manufacturing polyethylene material without joining

- **Supplying Polyethylene Material**

Polyethylene Material Supplier supplying polyethylene material without joining

- **Manufacturing* Polyethylene Source Material**

Polyethylene Source Material manufacturer manufacturing natural compounds, pigment concentrate compounds, and polyethylene compounds

Note: Such scopes are not available for suppliers of polyethylene source material.

E. N-Type Scopes for Furnishing Material

In accordance with NCA-3312 (e) (previously NCA-3820(c)), an N, NV, N3, NA, NPT, or NS Certificate Holder may furnish material when stated in the scope of the Certificate. In this case, the phrase “Furnishing metallic material” will be added to the scope of the N-Type Certificate. A demonstration/implementation of the activities related to furnishing material is required to be included in the program demonstration/implementation presented to the ASME Survey Team for issuance of the N-Type Certificate of Authorization. A Quality Assurance Program Certificate is the result of a Quality Assurance Manual review only by an ASME Survey Team with no program demonstration/implementation; material furnishing activities will not be shown in the scope. A Certificate of Authorization (Corporate) is a partial program demonstration/implementation to an ASME Survey Team (Corporate Certificate that requires an extension for the Certification Mark Stamp). A demonstration/implementation of the material furnishing activities must be demonstrated to an ASME Survey Team as a prerequisite for the inclusion of the material furnishing activities in the scope of the N-Type Certificate of Authorization (Corporate).

E.1 As an example, a NA Certificate Holder with a full Division 1 Certificate scope for field installation who is also authorized to furnish metallic material would have the following scope statement:

Division 1: Class 1, 2, 3, CS & MC field installation including Class 3 installation of polyethylene items and furnishing metallic material

Notes: (1) The additional operations that may be added to Quality System Certificates (i.e., “Shipment of Material from Qualified Material Organizations to other parties”, “Qualification of Non-certified Material Organizations”, “Utilization of Unqualified Source Material”, “Approval and Control of Suppliers” and Operations Affecting Chemical Composition, Mechanical Properties and/or Product Form”) are not required to be listed on N, NV, N3, NA, NPT, or NS Certificates as these operations are already included among the activities that may be performed under an N-Type Certificate and are included in the N-Type Certificate Holders Quality Assurance Program demonstration to an ASME Survey Team.

(2) An N-Type Certificate Holder cannot furnish Nonmetallic Materials (Plastic Concrete, Plastic Grout, Admixtures, Aggregates, Cement, Cement Grout, Ice & Water, Polyethylene Materials, and Polyethylene Source Materials) under an N-Type certificate, therefore, a scope of “supplying nonmetallic material” is not available under an N-Type certificate.

F. G Certificates and Graphite Quality System Certificates

F.1 G Certificates Division 5 HAB Graphite or Composite Design.

A G Certificate (HAB-3300/HAB-8100) is available for the design of any Core Components in compliance with the requirements of ASME III Division 5, Subsection HA, Subpart B “Graphite and Composite Materials” and Subsection HH, Subpart A (Graphite Materials) or Subpart B (Composite Materials). A G Certificate Holder is an organization assuming responsibility for Code compliance with respect to the

design of Core Components or Core Assemblies. Organizations holding the G Certificate of Authorization for design have the responsibilities identified in HAB-3300 and certification of the G-1 Data Report. An example of a full scope statement for the G Certificate would be:

Division 5: Design of Class SN Nonmetallic Graphite and Composite Core Components

F.2 GC Certificates Division 5 HAB

F.2.1 GC Certificates Division 5 HAB Graphite or Composite Construction

A GC Certificate (HAB-3400/HAB-8100) is available for the construction of any Core Components or Core Assemblies in compliance with the requirements of ASME III Division 5, Subsection HA, Subpart B “Graphite and Composite Materials” and Subsection HH, Subpart A (Graphite Materials) or Subpart B (Composite Materials). A GC Certificate Holder (Construction) is the organization assuming responsibility for Code compliance with respect to material, manufacture, installation, examination, testing, inspection, and certification of Core Components or Core Assemblies in accordance with the Design Drawings and Construction Specifications. The GC Certificate Holder may subcontract (HAB-3125) for materials manufacture, design, component machining, installation, examination, testing, and inspection. However, the GC Certificate Holder retains overall responsibility, including certification of the Code Data Report. Organizations holding the GC Certificate Holder (Construction) have the responsibilities identified in HAB-3400, HAB- 8000, and certification of the G-1 Data Report. An example of a full scope statement for the GC Certificate (Graphite and Composite Construction) would be:

Division 5: Construction of Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies

F.2.2 GC Certificates Division 5 HAB Graphite or Composite Material Manufacture

A GC Certificate (HAB-3400/HAB-8100) is available for the Manufacture of Graphite or Composite Material for use in Core Components or Core Assemblies in compliance with the requirements of ASME III Division 5, Subsection HA, Subpart B “Graphite and Composite Materials” and Subsection HH, Subpart A (Graphite Materials) or Subpart B (Composite Materials). A GC Certificate Holder (Material) is the organization assuming responsibility for Code compliance with respect to the manufacture of Graphite or Composite Material (HAB-1220) for use in Core Components or Core Assemblies. Material is documented by a Certified Material Test Report in accordance with Article HHA-2000 or Article HHB-2000. Organizations holding the GC Certificate of Authorization (Material Manufacture) have the responsibilities identified in HAB-3400, HAB- 8000, and certification of the Material (HAB-1220) on a Certified Material Test Report in accordance with Article HHA-2000 or Article HHB-2000. An example of a full scope statement for the GC Certificate of Authorization (Graphite and Composite Material Manufacture) would be:

Division 5: Manufacture of Graphite or Composite Material (HAB-1220) for use in for Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies

F.2.3 GC Certificates Division 5 HAB Graphite or Composite Core Component Machining

A GC Certificate (HAB-3400/HAB-8100) is available for Core Component machining of Graphite or Composite Material for use in any Core Components or Core Assemblies in compliance with the requirements of ASME III Division 5, Subsection HA, Subpart B “Graphite and Composite Materials” and Subsection HH, Subpart A (Graphite Materials) or Subpart B (Composite Materials). A GC Certificate Holder (Core Component machining) is the organization assuming responsibility for Code compliance with respect to the Core Component machining of Graphite or Composite Material

(HAB-1220) for use in Core Components or Core Assemblies. Core Component machining is documented on Code Data Report Form G-2 for Core Components and forwarded to the GC Certificate Holder of the finished Core Assembly. Organizations holding the GC Certificate (Core Component machining) have the responsibilities identified in HAB-3400, HAB-8000, and certification of the G-2 Data Report.

An example of a full scope statement for the GC Certificate (Graphite and Composite Core Component machining) would be:

Division 5: Core Component machining of Graphite or Composite Material for use in for Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies

F.2.4 GC Certificates Division 5 HAB Graphite or Composite Installation

A GC Certificate (HAB-3400/HAB-8100) is available for the installation of Graphite or Composite Core Components or Core Assemblies in compliance with the requirements of ASME III Division 5, Subsection HA, Subpart B “Graphite and Composite Materials” and Subsection HH, Subpart A (Graphite Materials) or Subpart B (Composite Materials). A GC Certificate Holder (Installation) is the organization assuming responsibility for Code compliance with respect to the installation of Graphite or Composite Core Components or Core Assemblies. Installation of Graphite or Composite Core Components or Core Assemblies is documented on Code Data Report Form G-4 for Core Components and forwarded to the GC Certificate Holder of the finished Core Assembly. Organizations holding the GC Certificate Holder (Installation) have the responsibilities identified in HAB- 3400, HAB-8000, and certification of the G-4 Data Report. An example of a full scope statement for the GC Certificate (Graphite or Composite Installation) would be:

Division 5: Installation of Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies

F.2.5 GC Certificates Division 5 HAB Graphite or Composite Construction, Material Manufacture, Core Component Machining, and Installation

A GC Certificate (HAB-3400/HAB-8100) is available for the individual GC Certificate scopes as identified above or for all GC Certificate scopes identified in HAB-8100, Table HAB-8100-1. An example of this full scope statement for the GC Certificate would be:

Division 5: Construction of Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies including Manufacture of Graphite or Composite Material (HAB-1220) for use in for Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies, Core Components machining of Graphite or Composite Material for use in for Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies, and Installation of Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies.

F.3 Quality Systems Certificate Division 5 HAB

F.3.1 Quality System Certificate (QSC) Division 5 HAB Graphite or Composite Material Manufacture

A Quality System Certificate (QSC) (HAB-3800/HAB-8100) is available for the Manufacture of Graphite or Composite Material for use in any Core Components or Core Assemblies in compliance with the requirements of ASME III Division 5, Subsection HA, Subpart B “Graphite and Composite Materials” and Subsection HH, Subpart A (Graphite Materials) or Subpart B (Composite Materials). A QSC Holder (Material) is the organization assuming responsibility for Code compliance with respect to the manufacture of Graphite or Composite Material (HAB-1220) for use in Core Components or Core Assemblies. Material is documented by a Certified Material Test Report in accordance with Article HHA-2000 or Article HHB-2000. Organizations holding the QSC (Material Manufacture) have the responsibilities identified in HAB-3800, HAB-8000, and certification of the Material (HAB-1220) on a

Certified Material Test Report in accordance with Article HHA-2000 or Article HHB-2000. An example of a full scope statement for the QSC (Graphite or Composite Material Manufacture) would be:

Division 5: Manufacture of Graphite or Composite Material (HAB-1220) for use in Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies

F.3.2 Quality System Certificate (QSC) Division 5 HAB Division 5 HAB Graphite or Composite Core Component Machining

A QSC (HAB-3800/HAB-8100) is available for Core Component machining of Graphite or Composite Material for use in any Core Components or Core Assemblies in compliance with the requirements of ASME III Division 5, Subsection HA, Subpart B “Graphite and Composite Materials” and Subsection HH, Subpart A (Graphite Materials) or Subpart B (Composite Materials). A QSC (Core Component machining) is the organization assuming responsibility for Code compliance with respect to the Core Component machining of Graphite or Composite Material (HAB-1220) for use in Core Components or Core Assemblies. Core Component machining is documented on Code Data Report Form G-2 for Core Components and forwarded to the GC Certificate Holder of the finished Core Assembly. Organizations holding the QSC (Core Component machining) have the responsibilities identified in HAB-3800, HAB-8000, and certification of the G-2 Data Report. An example of a full scope statement for the QSC (Core Component machining) would be:

Division 5: Core Component machining of Graphite or Composite Material for use in for Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies

F.3.3 Quality System Certificate (QSC) Division 5 HAB Graphite or Composite Installation

A QSC (HAB-3800/HAB-8100) is available for the installation of Graphite or Composite Core Components or Core Assemblies in compliance with the requirements of ASME III Division 5, Subsection HA, Subpart B “Graphite and Composite Materials” and Subsection HH, Subpart A (Graphite Materials) or Subpart B (Composite Materials). A QSC (Installation) is the organization assuming responsibility for Code compliance with respect to the installation of Graphite or Composite Core Components or Core Assemblies. Installation of Graphite or Composite Core Components or Core Assemblies is documented on Code Data Report Form G-4 for Core Components and forwarded to the GC Certificate Holder of the finished Core Assembly. Organizations holding the QSC (Installation) have the responsibilities identified in HAB-3800, HAB-8000, and certification of the G-4 Data Report. An example of a full scope statement for the QSC (Graphite or Composite Installation) would be:

Division 5: Installation of Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies

F.3.4 Quality System Certificate (QSC) Division 5 HAB Graphite or Composite Material Manufacture, Core Component Machining, and Installation

A QSC (HAB-3800/HAB-8100) is available for the individual QSC scopes as identified above or for all QSC scopes identified in HAB-8100, Table HAB-8100-1.

An example of this full-scope statement for the QSC would be:

Division 5: Manufacture of Graphite or Composite Material (HAB-1220) for use in for Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies, Core Component machining of Graphite or Composite Material for use in for Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies, and Installation of Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies

G. Location Qualifiers

In addition to the above scope wording, certificates will include the appropriate location qualifier for the certificate type as follows:

- G.1** The scope wording for shop and field-specific Certificates of Authorization and Quality System Certificates will include the location qualifier “at the above location only”.
- G.2** The scope wording of Certificates of Authorization (Corporate) will include the location qualifier “at various locations certified by ASME”.

Note: Certificates of Authorization (Corporate) requires a partial demonstration of the implementation of the Quality Assurance Program for the activities performed at the corporate location, but do not authorize the application of the Certification Mark or certification on a Code Data Report until the Certificate is extended to a location where the balance of the program is demonstrated/implemented to a subsequent ASME Survey Team. Certificate of Authorization (Corporate) certifies the Certificate Holder as having had the adequacy of their QA program verified by an ASME Survey Team for the Certificate scope. Certificates of Authorization (Corporate) are extended to specific locations by the issuance of a location-specific Certificate of Authorization and the Certification Mark after a successful ASME survey at that location.

- G.3** When the Quality Assurance Program of Certificate Holders with Certificates of Authorization (Corporate) are extended to shop or field locations via issuance of a Certificate of Authorization, the scope wording for that Certificate of Authorization will include a location qualifier such as “at the xxx Power Plant (field site address)”.

Extensions to Certificates of Authorization (Corporate) are numbered with the corporate certificate number followed by a -1, -2, -3, and -n for the 1st, 2nd, 3rd, and nth extension.

- G.4** The scope wording for Quality Assurance Program Certificates will include the location qualifier “at various locations certified by ASME subject to an ASME implementation audit at each location”.
- G.5** All locations where Code activities are performed must be identified and described in the Quality Assurance Manual for Certificate Holders and Quality System Manual for QSC Holders. The certificate shall identify the address for the locations where Code activities are performed, with the exception of locations performing Code activities as described in G.6.3. For Certificate Holders, these locations shall be listed on the certificate with an additional location qualifier (adding onto the location qualifiers under section G.1, G.2, G.3, and G.4) “and with additional Code activities as described in the Quality Assurance Manual at (location address)”. For QSC Holders, these locations shall be listed on the certificate with an additional location qualifier (adding onto the location qualifiers under sections G.1, G.2, G.3, and G.4) “and with additional Code activities as described in the Quality System Manual at (location address)”.

Note: It is not intended for certificates to restate specific Code activities identified in the Quality Assurance Manual/Quality System Manual for additional locations. If a Certificate Holder or QSC Holder wants to provide their customers with a more detailed description of their capabilities at each location, it is suggested they provide that description in their Quality Assurance/Quality System Program and in their sales literature.

G.6 Multiple Locations of an Organization on One Certificate

- G.6.1** All locations where Code activities are controlled, managed, and administered shall be surveyed by ASME and listed on the certificate. The terms ‘location’, ‘primary location’, and ‘adjunct location’ are used in the ASME Certification Process and are defined as follows:

Location - may refer to a single address or building(s) with multiple addresses on a common company complex/site that operates under the same company management, Quality Assurance

Manual/Quality System Manual, and procedures. It is an all-inclusive term which identifies where Code activities are performed and include the terms, 'primary location' and 'adjunct location'.

Primary Location - refers to the address identified at the top portion of the certificate and, at a minimum, is the location where:

- management responsible for the effective implementation of the quality program is located, and
- certification occurs
 - for shop/location-specific Certificates of Authorization {a certificate which has not been issued under a Certificate of Authorization (Corporate)} this includes authorization to apply the Certification Mark or nameplates pre-stamped with the Certification Mark.
 - for Certificates of Authorization (Corporate), the certification activities performed at the corporate location applies to material furnishing activities only when indicated in the certificate scope and authorization for the application of the Certification Mark under a Certificate of Authorization which has been extended to a shop or field location.
 - for Certificates of Authorization which are extended under a Certificate of Authorization (Corporate), the certification and stamping activities occur at the location qualifier addressed under Section G.3.

Adjunct Location – refers to building(s) with multiple addresses within a common company complex/site, or a facility used to assist or supplement Code activities and are identified in the scope statement per Section G.6.3. These adjunct locations in and of themselves do not produce finished certified components, parts, appurtenances, supports, or material, without authorization from the primary location, but rather furnish incremental activities to augment the item during the construction/manufacturing process. It is neither a field location nor a “multi-plant” company, where each plant is established to operate autonomously in the fabrication or construction of finished (certified and stamped) components or finished (certified) materials; each field location or plant established to operate autonomously is required to have its own Certificate of Authorization or Quality System Certificate.

G.6.2 Multiple adjunct locations of an organization performing only procurement, QA, and/or engineering may be identified on one certificate provided these activities are described and controlled in the same QA Manual and surveyed by an ASME Survey Team. Adjunct locations of an organization performing only procurement, quality assurance, and/or engineering activities need not be surveyed nor listed on the certificate provided the following conditions are met:

- (1) Their activities are controlled and authorized by a surveyed location,
- (2) The output documents produced can be prepared at the non-surveyed location, but require all other reviews and approvals to be from a surveyed location,
- (3) Their activities are described in the same Quality Assurance Manual for N-Type Certificate Holders or Quality System Manual for Material Organizations, and
- (4) For N-Type Certificate Holders, the AIA of Record is providing services at all locations.

Personnel performing software (office type) activities such as procurement, quality assurance, and/or engineering activities at locations that are not listed on the certificate shall be available to communicate with the ASME Survey Team e.g. (in person, by video conference, or telephone conference).

G.6.3 One certificate may include in the scope statement the address of all adjunct locations used to augment construction/manufacturing activities provided the survey can be performed by ASME within seven (7) days, all Enforcement/Regulatory Authorities for the adjunct locations are invited to participate on the survey for the adjunct location within their jurisdiction, and the adjunct locations operate under the same:

- Company name and division name, as shown on the certificate,
- Quality Assurance/System Organization,
 - QA personnel performing duties at adjunct locations verify the achievement of quality and

- report directly to a manager at the primary location.
- Certification (including authorization to apply the Certification Mark on a component for N-Type Certificate Holders at the adjunct location) is controlled at the primary location.
- Quality Assurance/System Manual, and
- AIA of Record providing services at all adjunct locations (applicable to N-type Certificate Holders only).

The activities described in G.6.2 above may be included in G.6.3.

G.6.4 All locations where hardware activities (e.g., fabrication, material receipt, receipt inspection, examination, testing, etc.) are being performed shall be surveyed by an ASME Survey Team and identified on the certificate. When these locations are buildings within the same common company complex/site, these buildings may be identified on the certificate under a single complete/site address.

Additionally, all program activities need not be demonstrated at each building within a company complex/site when the individual activities that are demonstrated result in a demonstration of the entire program for the certificate scope. This does not preclude the Survey Team from visiting all buildings under the scope of the program to access the staff and equipment, and the ability to control and implement the Code activities.

Note: When Code activities performed under a Quality Assurance Program or Quality System Program are performed at various locations/buildings, the Quality Assurance Manual or Quality System Manual shall identify the locations/buildings and provide a description of the controls and Code activities performed at each location/building. For certificate holders, any changes to the surveyed activities at these locations/buildings shall be described in a revision to the Quality Assurance Manual and are subject to ANIS acceptance and implementation audit by the AIA or ASME. For Certified Material Organizations, any changes to the surveyed activities at these locations shall be described in a revision to the Quality System Manual and is subject to ASME acceptance and possible implementation audit.

H. Design Owner Certificates (ASME III, Division 3 Class TP Transport Packaging)

A Design Owner Certificate of Accreditation is available on a limited basis for Class TP Transport Packaging to the 1995 Edition, 1997 Addenda up to and including the 1998 Edition, 2000 Addenda. The Design Owner Certificate of Accreditation is available only to organizations that have obtained a Certificate of Compliance or an Amendment to a Certificate of Compliance for a specific Transport Package design from a regulatory authority as required by WA-3220(a) and that have an existing contract/purchase order for the specific Class TP Transport Package design identified by the Certificate of Compliance or an Amendment to a Certificate of Compliance. Under the 2001 Edition and later of the ASME III, Division 3 Code, the Design Owner Certificate of Accreditation has been eliminated, design responsibility has been assigned to the N3 Certificate Holder (see A.1), and Class TP Transport Packaging has been replaced by Class TC Transportation Containments. An organization that has a need for a Design Owner Certificate of Accreditation and satisfies the above prerequisites can apply for the Certificate. When issued, Design Owner Certificates of Accreditation will have the following scope statement:

Division 3: Design Owner of Class TP Transport Packaging

I. Issuance of Temporary Certificates Under Code Case N-520-6

The scope statement that had appeared on the expired certificate will be preceded by the statement "Completion of partial data reports and stamping of interrupted code activities in accordance with Code Case N-520-6 for"

J. N-Type Certificate Holders and QSC Holders Providing Services

When requested in the application, Certificate Holders and QSC Holders may provide services under their respective certificates provided the Certificate Holder's Quality Assurance Program or the QSC Holder's Quality System Program describes the controls for such activities. Such controls shall include the preparation

of a certification document (e.g., Certificate of Conformance) which includes the Certificate number and expiration date. The inclusion of the Certificate number and expiration date shall be considered certification that all services have been performed in accordance with the accepted quality program.

An example of a full-scope statement for providing Services would be:

“and providing services, including certification under this certificate, as described in the Quality Assurance Manual which are limited to stress analysis, design, machining, forming, heat treatment, inspection, and testing at the above location and supply of nondestructive examination, and auditing services at various locations”.

Note: Only services (excluding nondestructive examination and auditing) performed at the certified locations may be included in the scope statement. No subcontracting of provided services are allowed.

Revision History

Revision 0, November 10, 1998

ASME announced completion of an effort to simplify and standardize scope statements that appear on Certificates of Authorization/Accreditation, including Quality System Certificates issued to Material Organizations. The new scope wording is based on Tables NCA-8100-1 and WA-8100-1 and provides more concise scope statements to describe the activities a Certificate Holder is authorized/accredited to perform.

Revision 1, March 3, 2000

Additional scope wording was approved for Quality System Certificates issued to Material Organizations who manufacture Welding Material.

Revision 2, On December 10, 2001

A revision was approved in response to changes in the Section III Code relative to the new NS Certificate for supports and the N3 Certificate for Division 3.

Revision 3, On May 9, 2005

1. Corrected the scope wording for NS Certificates to eliminate Class CS for consistency with ASME application form A. The NS Certificate is only for supports constructed to the requirements of Subsection NF and Subsection NF does not provide rules for Class CS supports because Core Supports are included in Subsection NG and are categorized as a component requiring an N stamp. The NPT Certificate has Class CS in its scope for fabrication of class CS parts, not class CS Supports.
2. Limit Class TP as an available class for N and NPT Certificate scopes to only Certificate Holders that have a contract or purchase order requiring Class TP construction/fabrication. Class TC and SC are the available classes for Division 3 construction/fabrication.
3. Limit the availability of the Design Owner Certificate for Class TP to organizations that have obtained a Certificate of Compliance or an Amendment to a Certificate of Compliance for a specific Transport Package design from a regulatory authority as required by WA-3220(a) and that have an existing contract/purchase order for that specific Class TP Transport Package design. The N3 Certificate is the available certificate for ASME III Division 3 design activities and Class TC and SC are the available classes for Division 3 construction/fabrication.
4. Correct the WA-3800 paragraph references as a result of the 2004 Edition deleting WA-3830 through WA3860 and invoking NCA-3820 through NCA-3960.

Revision 4, April 21, 2008

A revision was approved in response to Code Case N-755, Use of Polyethylene (PE) Plastic Pipe.

Revision 5, February 2, 2009

A revision was approved in response to Code Case N-520-2.

Revision 6, February 1, 2010

Addressed the location qualifier used on for a Manual Review only.

Revision 7, November 1, 2010

1. In response to the 2010 Code no longer using the terms “accreditation”, “accredited”, and “nonaccredited”:
 - a. Association between a “Interim Letter” and a “Certificate of Accreditation” were deleted; a “Quality Assurance Program Certificate” will be issued for a Quality Assurance Manual review without a demonstration/implementation of the Program.
 - b. The location qualifier “at various locations accredited by ASME” was changed to “at various locations certified by ASME”
 - c. “Nonaccredited Material Organization” was changed to “Noncertified Material Organization”
 - d. Corporate Programs issued on a “Certificate of Accreditation” will now be issued on a “Certificate of Authorization (Corporate)”
 - e. NS Certificates for supports issued on a “Certificate of Accreditation” will now be issued on a “Certificate of Authorization” without a Code Symbol Stamp.

2. Para. F.4 was added to clarify that all locations where Code activities are being performed must be surveyed by ASME and identified on a certificate.

Revision 8, January 31, 2011

Address multiple locations on certificates.

Revision 9, May 6, 2011

Addressed the rewrite of NCA-3900. The rewrite of NCA-3900 required revisions to be made to Section D, “QS Certificates” and Section E, “Material Scopes on N-Type Certificates”.

Revision 10, May 9, 2011

Addressed the implementation of the single ASME Certification Mark under the 2011 “a” Addenda to the 2010 Boiler and Pressure Vessel Code. The use of the ASME Certification Mark is to be used in conjunction with a “Certification Designator”.

Revision 11, August 8, 2011

Amended the changes performed and approved on May 6, 2011, pertaining to the rewrite of NCA-3900.

Revision 12, February 6, 2012

Defined the term ‘location’ as used in the certification process.

Revision 13, August 12, 2013

Allowed self-imposed limitations and added separate guidance for QSC Holders regarding multiple locations.

Revision 14, February 10, 2014

A revision was approved to only allow NS Certificates of Authorization to be issued to shop locations since NCA-8151 does not address issuance of NS Certificates of Authorization to a field site.

Revision 15, November 17, 2014

Provided additional clarification and guidance on issuing certificates to applicants with multiple locations.

Revision 16, February 15, 2016

Updated the Class 3 polyethylene scopes, deleted the NS certificate restriction to field locations, re-organized Section F and deleted statements not relevant to describing scopes, updated to Code Case N-520-6, inserted placeholder G Certificates and Graphite Quality System Certificates, and made several editorial changes for better clarity.

Revision 17, August 22, 2016

Clarified conditions for adjunct locations performing only procurement, quality assurance, and/or engineering activities that are not surveyed nor listed on the certificate.

Revision 18, November 7, 2016

Section A.5 was revised to clarify that N and N3 certificates with a scope that includes shop assembly is limited to components certified by the Certificate Holder.

Revision 19, February 13, 2017

Added Class ISS internal support structures for N3 certificates and added self-imposed limitations for non-welded construction, fabrication, and assembly.

Revision 20, March 6, 2019

Renamed para. E “N-Type Scopes for Furnishing Material”. N-Type Certificates will no longer be using the phrase Material Organization when furnishing material. For example, a scope phrase of “...Material Organization manufacturing and supplying ferrous & nonferrous material...” will now be “...manufacturing and supplying ferrous & nonferrous material...”.

Revision 21, March 12, 2020

Added new Section J, "N-Type Certificate Holders and QSC Holders Providing Services".

Revision 22, September 22, 2021

Expanded to include the Division 5 scope wording for Class A, B, and SM Metallic items as well Section F for Class SN Nonmetallic Graphite and Composite Core Components or Core Assemblies.

Revision 23, June 06, 2022

Revised to incorporate the new expression "furnishing material" to replace "Material Manufacture" and "Material Supply" in various certificate scopes. Also revised the "example" presented in Clause J. for including "services" in the certificate scope.

Revision 24, November 02, 2022

Revisions to Section D.1 to replace the term "chemical properties" with "chemical composition" and to remove concrete and polyethylene material in the example of a full scope statement. Section D.4, Discussion on Simplification of Quality System Certificate Scopes, deleted in its entirety. Revision to Section E.1, Notes, replaced term "chemical properties" with "chemical composition" and deleted reference to NCA-3561(b).

Revision 25, August 7, 2023

To correct in B. & C. permissible Division 5 metallic Code Classes for the NPT and NA Certificates for alignment to HAA-8000 & Form A and update Code paragraph references in D. & E. to the 2023 Edition; and to correct in F. 3 the QSC terminology as it applies to Division 5 non-metallic materials used in Class SN items.