

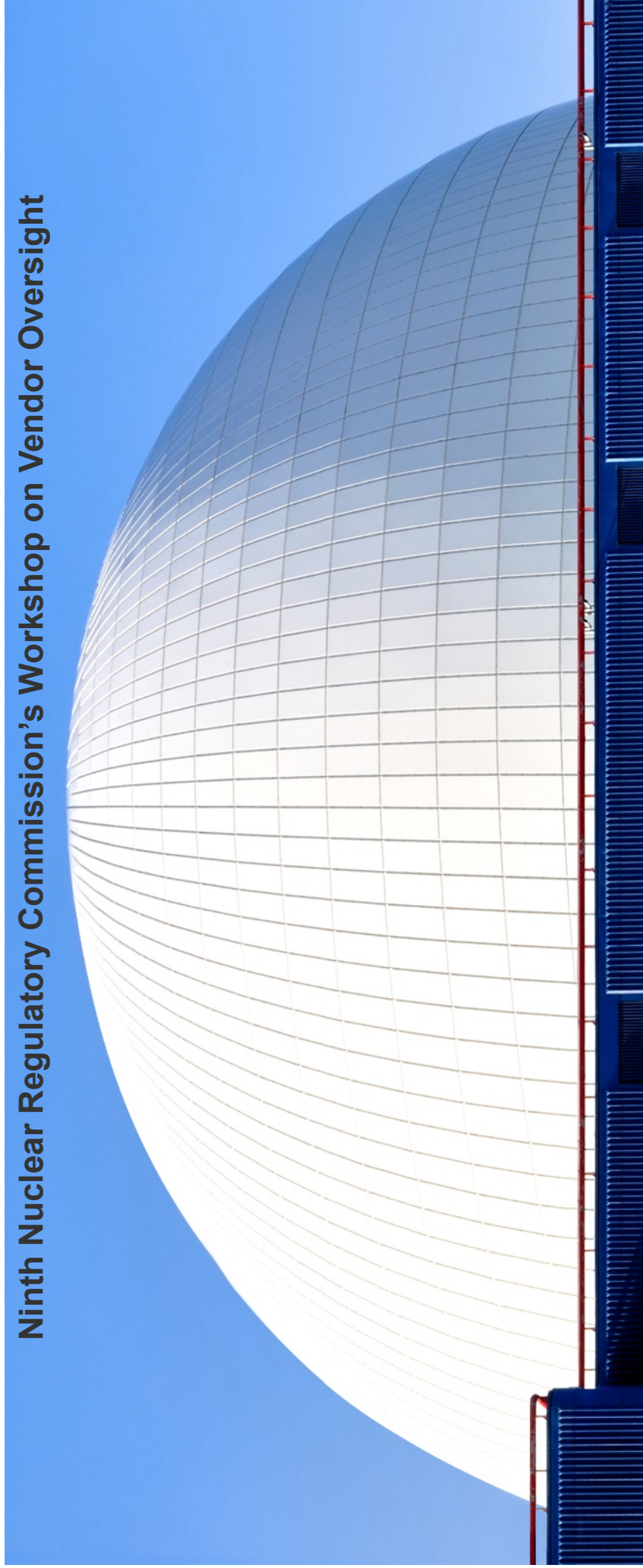
June 2024



**BUREAU
VERITAS**

Authorized Inspection Agency Oversight of ASME Nuclear Certificate Holders and Owners

Ninth Nuclear Regulatory Commission's Workshop on Vendor Oversight



AGENDA

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Nuclear Supervisor

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Nuclear Inspector

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AIA Duties:
Owner's
Certificate

01

Introduction





Speaker

Ed Whittle

Director, Codes & Standards,

Bureau Veritas Inspection and Insurance Company

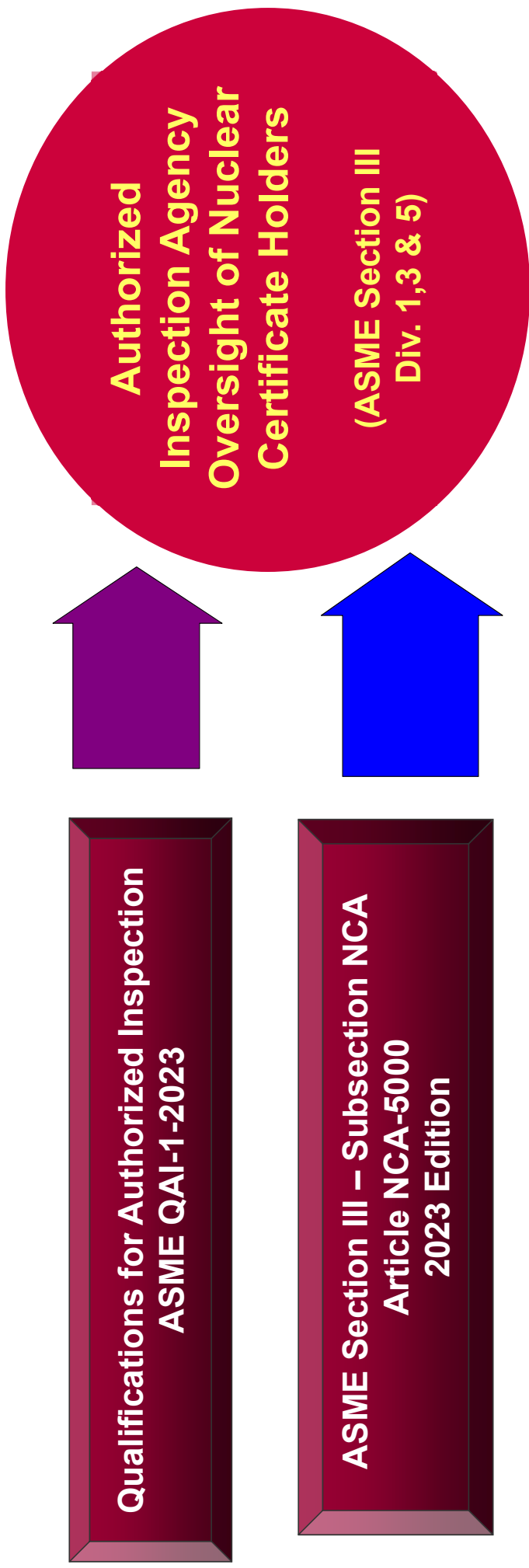
- **35 years in the Pressure Equipment Industry**
- **National Board Commission Inspector(AI, B, R, N, I, C)**

Participation in ASME Conformity Assessment Committees:

- **Chair, Committee on Qualifications for Authorized Inspection (QAI)**
- **Chair, Committee on AIA Accreditation**
- **Member, Committee on Nuclear Certification (CNC)**
- **Member, Committee on Boiler & Pressure Vessel Conformity Assessment (CBPVCA)**
- **Member, Committee on Conformity Assessment Requirements (C-CAR)**
- **Member, Board on Conformity Assessment**

AIA Oversight of Nuclear Certificate Holders

Governing Standards



Qualifications for Authorized Inspection

Chapters:

1. Introduction
2. Authorized Inspection Agency
3. Accreditation of an Authorized Inspection Agency
4. Supervisor Qualifications
5. Supervisor Duties
6. Inspector Qualifications
7. Inspector Duties
8. Certified Individual
Mandatory Appendices

ASME Section III – Rules for Construction of Nuclear Facility Components

Subsection NCA: General Requirements for Division 1 and Division 2

Articles:

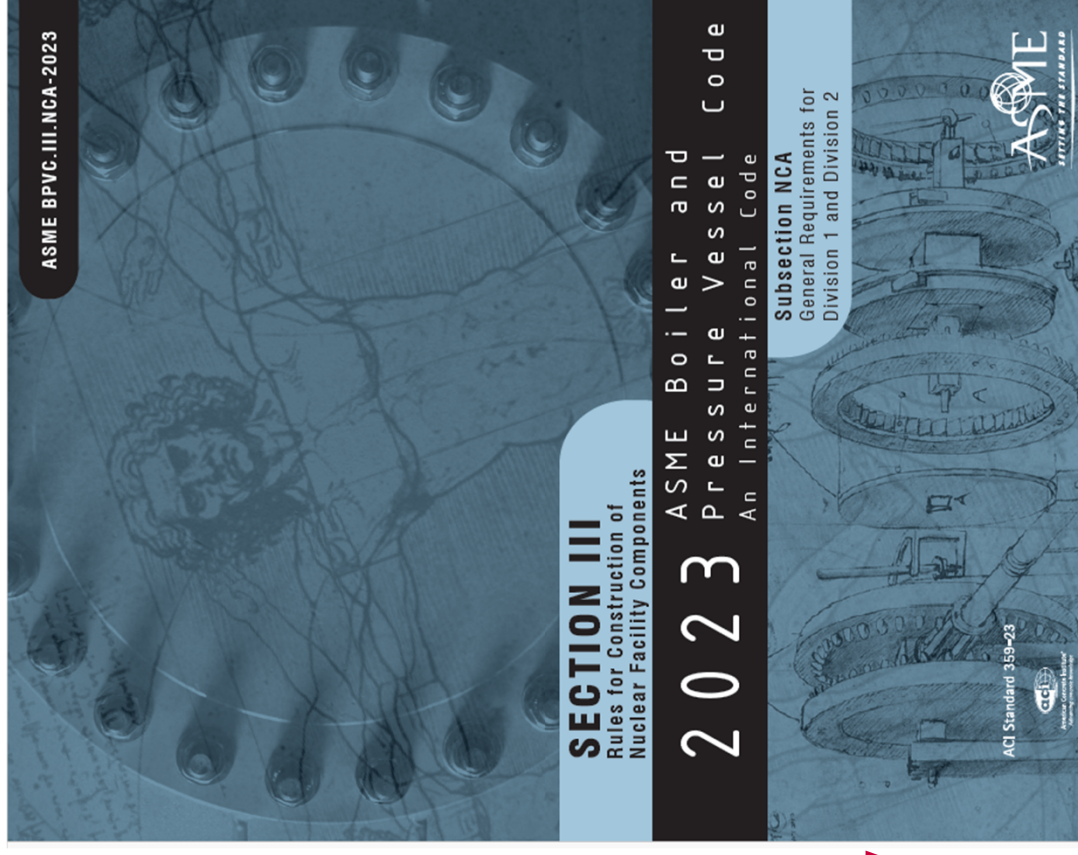
NCA-5000 – Authorized Inspection

NCA-5100 Introduction

NCA-5125 Duties of Authorized Nuclear Inspector Supervisor

NCA-5200 Duties of Inspector

NCA-5300 Responsibilities of the Authorized Inspection Agency

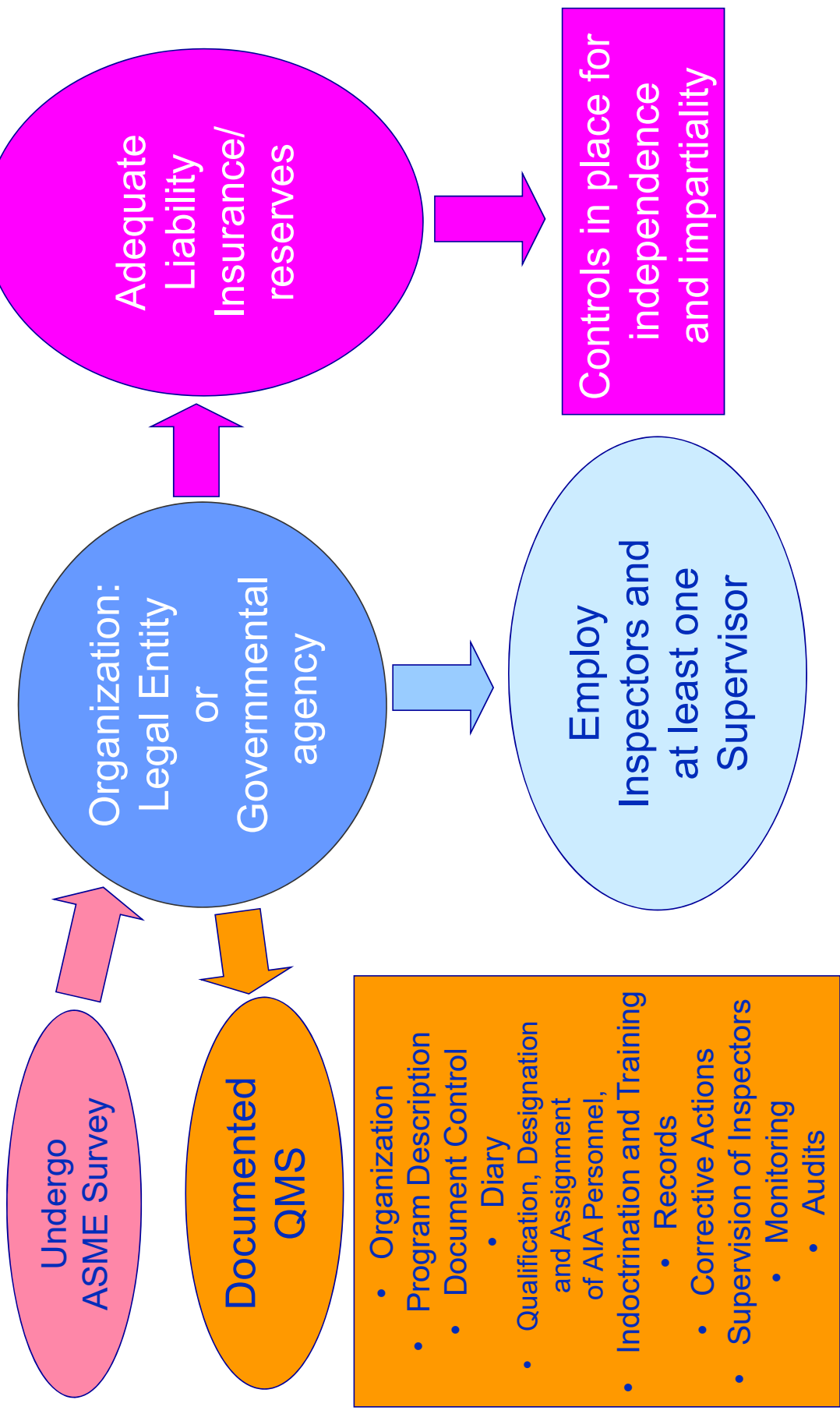


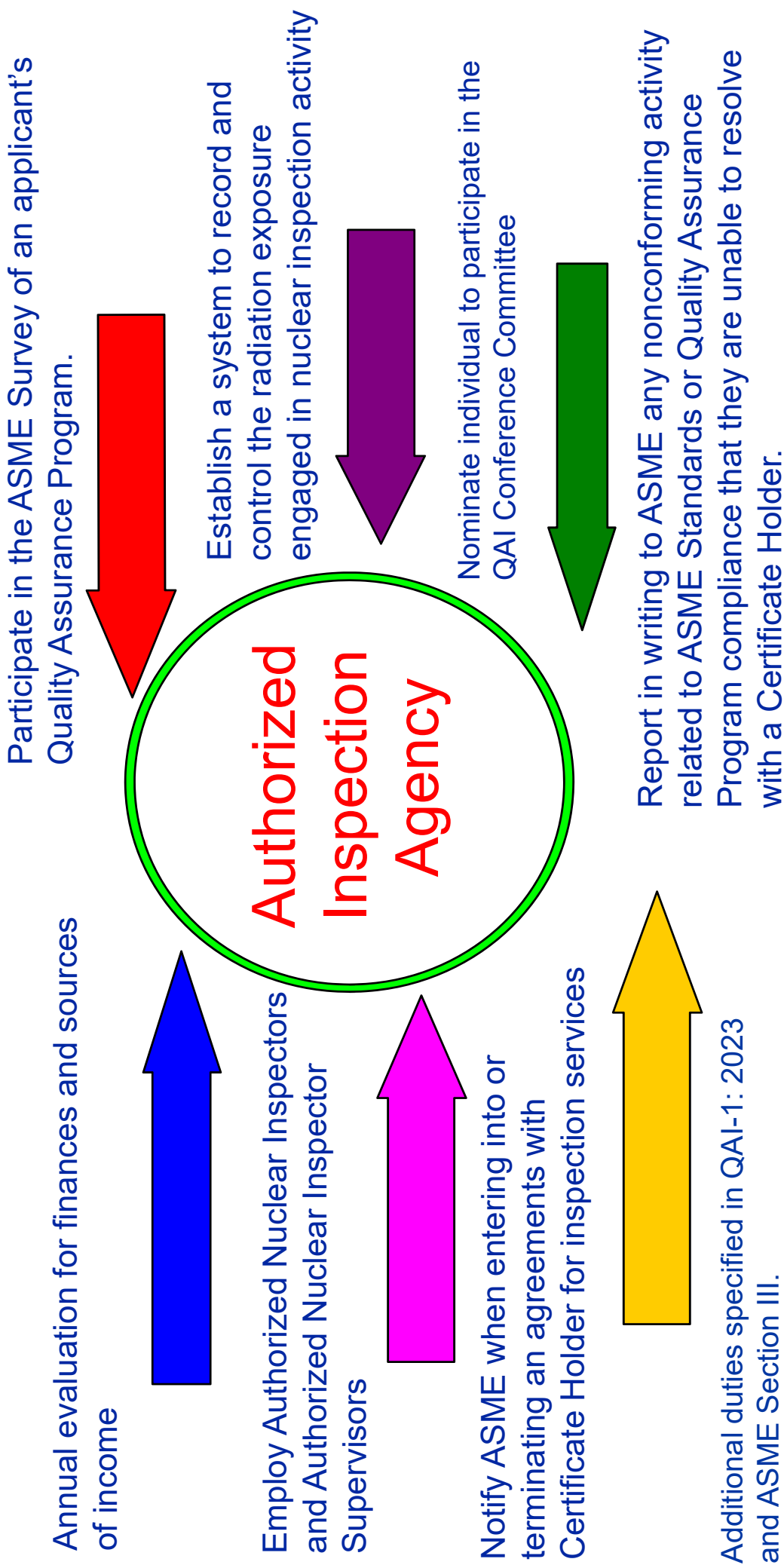
02

Duties of the Authorized Inspection Agency



Accreditation of an Authorized Inspection Agency





Responsibilities of the AIA: Instructions of Inspection Staff

- Provide written instructions to Inspectors and their Supervisors specifying their respective duties and responsibilities.
- Give written notice to each Inspector, the information on how to contact their Supervisor; name, phone number, office address, etc..
- Provide written instructions to Inspectors requiring them to immediately contact their Supervisor whenever the Inspector is unable to readily resolve any questions or issues concerning compliance with ASME Standards, at any point during the planning, construction, and certification of the item.
- Provide written notification to each Inspector reminding them that they have the authority and the duty to refuse to sign any ASME Data Report involving a nonconformance with the ASME Standard.



Additional Responsibilities of the AIA

- Review and accept the Certificate Holder's alternative method of identification, including the unique method of marking of components to which, because of size or other considerations, nameplates cannot be directly attached.
- Review and accept the Certificate Holder's alternative method of marking of parts, appurtenances, supports, and piping subassemblies.
- Review and accept the Certificate Holder's provisions of positive identification and traceability of items from which nameplates are removed.





Additional Responsibilities of the AIA

- ❑ Determine by agreement with the Certificate Holder the sequence for stamping and the completion of the Code Data Report.
- ❑ Review and accept the Certificate Holder's procedure for providing traceability of parts for piping subassemblies that are furnished without stamping.
- ❑ And all other duties specifically required in ASME QAI-1, Qualification for Authorized Inspection, as applicable.

03

Duties of the Authorized Nuclear Inspector Supervisor



Duties of the Authorized Nuclear Inspector Supervisor

Supervisors, in conjunction with Inspectors employed by the same Authorized Inspection Agency, shall participate in the Society's review of the applicant's Quality Assurance Program. In those cases where the Supervisor performs the functions of the Inspector, the Supervisor may represent both during the review of the Program.

Note: The term "Supervisor" refers to an Authorized Nuclear Inspector Supervisor (ANIS) holding a National Board AI Commission with a NS endorsement for inspection activities relating to ASME Section III Div. 1, 3 & 5

Duties of the Authorized Nuclear Inspector Supervisor

- A Supervisor designated by the Authorized Inspection Agency shall review and accept any proposed modifications to Quality Assurance Manuals before they are put into effect.
- The Authorized Nuclear Inspector Supervisor shall audit the Inspector's performance at least twice per year at locations where the Certificate Holder is actively engaged in Section III work.
- The Supervisor shall be available as needed for consultation and support of the local inspection staff.



Duties of the Authorized Nuclear Inspector Supervisor

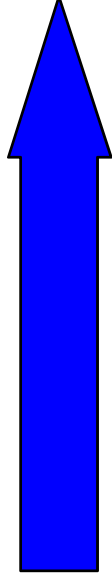


- The Supervisor shall maintain supervisory control over one or more Authorized Nuclear Inspectors and shall perform all of the functions and maintain the records required of the Supervisor in ASME QAI-1, Qualification for Authorized Inspection.
- The portion of a Certificate Holder's Quality Assurance Program that includes furnishing material shall be audited by the Supervisor at least once each year, except for the year the Certificate Holder is surveyed by the Society.

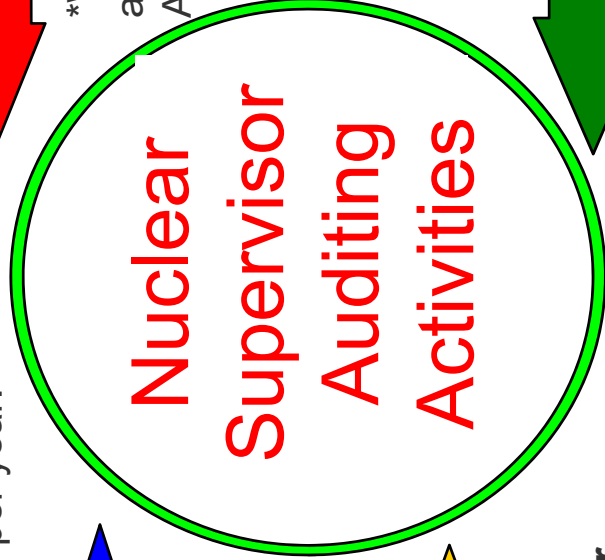
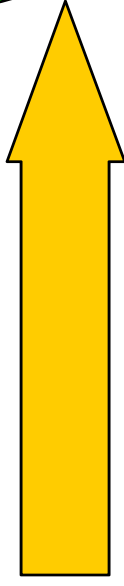
Authorized Nuclear Inspector Supervisor

Audit the Certificate Holder's Quality Assurance Program at least once per year.

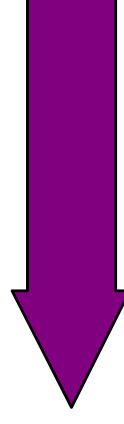
*Audit the elements of the Certificate Holder's QA Program pertaining to the construction of supports under the NS Certificate of Authorization at least once per year.



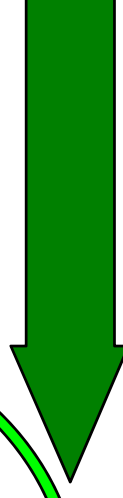
*Audit the portion of the Certificate Holder's Quality Assurance Program that includes furnishing material at least once per year.



*When no ANI is assigned to a location, audit the Certificate Holder's Quality Assurance Program at least twice per year.



At least twice per year, audit the performance of each nuclear Inspector assigned to him for Supervision.



***Note: This audit is not required in the year the Certificate Holder is surveyed by the Society.**

*Audit once a year, the Certifying Engineer's qualification activities to verify that the procedures are being followed and the records exist to support the qualification activities.

04

Duties of the Authorized Nuclear Inspector



Duties of the Authorized Nuclear Inspector

The Inspector who performs the detailed inspections in compliance with this Section shall witness or otherwise verify all examinations and make all inspections required by this Section. The Inspector shall also make any other inspections and witness or verify (including making measurements) any other examinations and additional investigations that, in the Inspector's judgment, are necessary to ascertain whether the item being inspected has been constructed in compliance with the rules of this Section..

Note: The term "Inspector" refers to an Authorized Nuclear Inspector (ANI) holding a National Board AI Commission with a N endorsement for inspection activities relating to ASME Section III Div. 1, 3 & 5



What does the Authorized Nuclear Inspector (ANI) do?

The ANI duties include: Review, Witness, and Accept, per the Code Rules:

- **Participate in the (ASME) Society's review of the applicants Quality Program.**
- **Verify the scope of work to be performed.**
- **Monitor of the Certificate Holder's Quality Assurance Program including subcontracted activities.**
- **Review the Certificate Holder's qualification records.**
- **Verify materials.**
- **Witness or verify in-process fabrication, nondestructive examination, and tests.**
- **Witness final pressure tests.**



What does the Authorized Nuclear Inspector (ANI) do?

The ANI duties include: Review, Witness, and Accept, per the Code Rules:

- Reviewing and signing Data Reports and Construction Reports.
- Reviewing drawings and inspecting in accordance with them.
- Assuring that the required Design Specification, Design Report are available and properly certified
- Assuring that capacity test data has been reviewed and accepted by an ASME designee before signing the pressure and vacuum relief valve Data Report Form NV-1 (Section III Appendices, Mandatory Appendix V).
- Verifying all preservice examinations have been completed to Section XI.
- Performing all other duties required in ASME QAI-1.



05

AIA Duties: Owner's Certificate



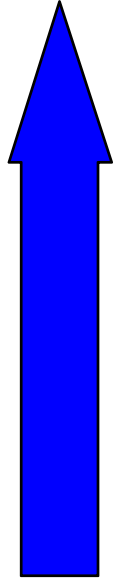
Evaluation for an Owner's Certificate

- The Owner, after an application for a construction permit or combined license for a specific nuclear power plant unit or nuclear facility is docketed concurrently or filed concurrently with the regulatory authority, shall obtain an Owner's Certificate from the Society for each unit or facility to be constructed prior to field installation. In lieu of a survey, the Owner will be interviewed for the Society to verify the Owner's understanding of Code responsibilities and to obtain the Owner's agreement to meet the requirements.
- The Owner's certificate shall be applicable to each nuclear facility or nuclear power plant unit for which an application for a construction permit or combined license has been docketed concurrently or filed concurrently with the regulatory authority.

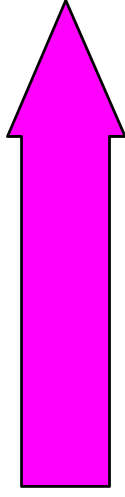


ANIS: Review and accept the Quality Program Manual or documented program prior to the ASME interview.

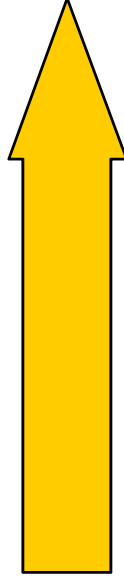
AIA: Notified ASME and the enforcement authority when entering into an agreement.



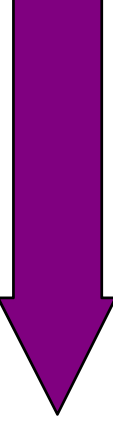
AIA: Notified ASME and the enforcement authority when terminating an agreement



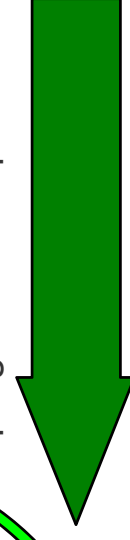
ANI: Monitoring the Owner's Code activities.



ANIS: Conduct annual audit of the Quality Program Manual or documented program and report the results to ASME.



ANIS: Triennially conduct an audit of the Quality Program Manual or documented program and report the results to ASME.



Note: The Owners' Certificate expires when all N-3 Data reports for the units listed on the certificate have been completed.

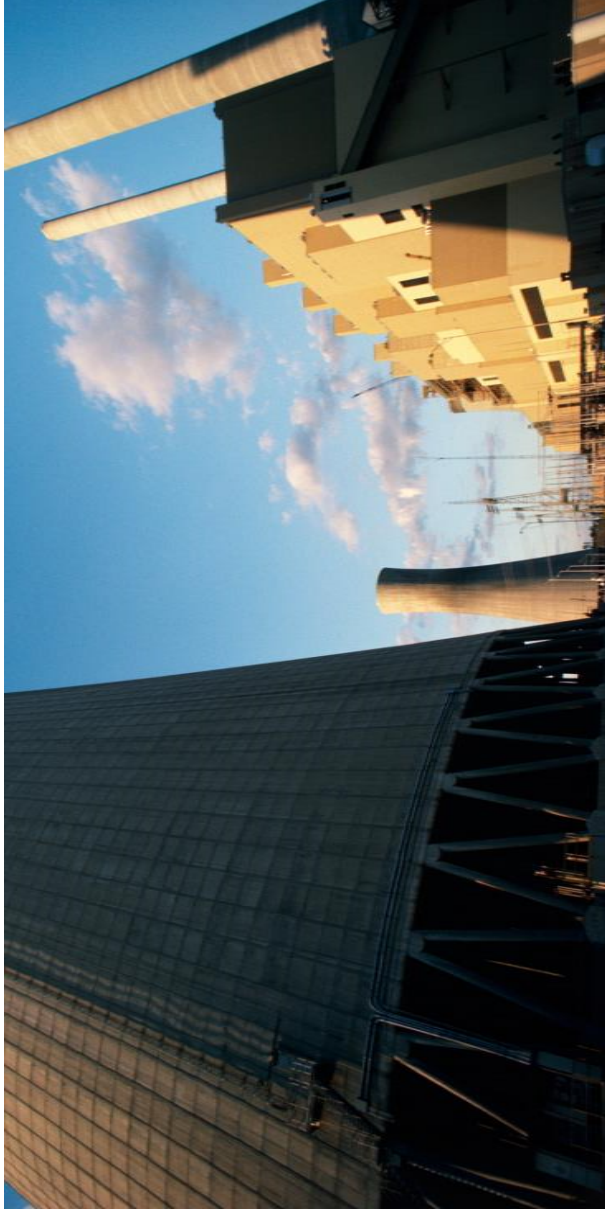
ANIS: Audit once a year, the Certifying Engineer's qualifications activities to verify that the procedures are being followed and the records exist to support the qualification activities.



CERTIFICATE HOLDER DETAILS

Certificate Type:	OWN
Certificate Number:	OWN-180
Certificate Status:	Active
Company Name:	Southern Nuclear Operating Company (SNC)
Abbreviation:	SNC
Company Address:	Vogtle Units 3 & 4 7825 River Road Waynesboro Georgia USA 30830
Scope:	Perform Owner's activities as required by ASME Section III for the construction of Vogtle Units 3 & 4 located at 7825 River Road, Waynesboro, Georgia 30830
Original Authorized Date:	09/07/2012
Authorized Date:	09/01/2021
Expiration Date:	09/07/2024

Only one Owner's certificate is active.



Questions?

Edgar Whittle

Director, Codes & Standards

**Bureau Veritas Inspection and Insurance
Company**

Phone: (781) 584-1104

ed.whittle@bureauveritas.com



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