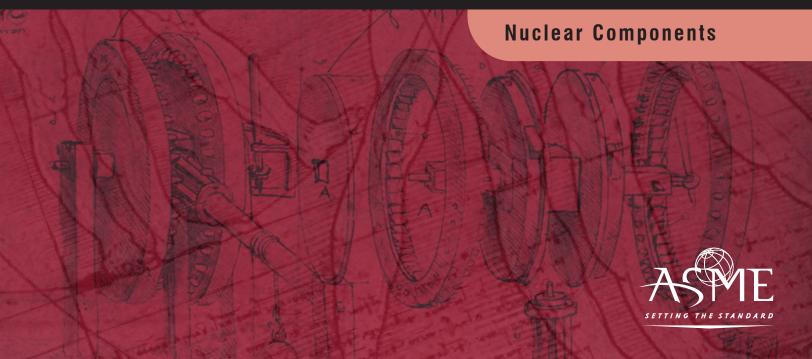


2021 ASME Boiler and Pressure Vessel Code An International Code



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**AN INTERNATIONAL CODE** 

# 2021 ASME Boiler & Pressure Vessel Code

2021 Edition July 1, 2021

# CODE CASES Nuclear Components



Date of Issuance: July 1, 2021

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# **TABLE OF CONTENTS**

List of Sections	i
Summary of Changes	V
List of Changes in Record Number Order	vii
Cross-Referencing and Stylistic Changes in the Boiler and Pressure Vessel Code	i
Notes to Numeric Index	
Numeric Index	Х
Subject Index	xvi
Index of Material Specifications Referred to in Cases	xxi
Applicability Index for Section XI Cases	XXV
Guideline for Cross-Referencing Section XI Cases	xlvi

#### LIST OF SECTIONS

# (21) SECTIONS

- I Rules for Construction of Power Boilers
- II Materials
  - Part A Ferrous Material Specifications
  - Part B Nonferrous Material Specifications
  - Part C Specifications for Welding Rods, Electrodes, and Filler Metals
  - Part D Properties (Customary)
  - Part D Properties (Metric)
- III Rules for Construction of Nuclear Facility Components
  - Subsection NCA General Requirements for Division 1 and Division 2
  - Appendices
  - Division 1
    - Subsection NB Class 1 Components
    - Subsection NCD Class 2 and Class 3 Components\*
    - Subsection NE Class MC Components
    - Subsection NF Supports
    - Subsection NG Core Support Structures
  - Division 2 Code for Concrete Containments
  - Division 3 Containment Systems for Transportation and Storage of Spent Nuclear Fuel and High-Level Radioactive Material
  - Division 5 High Temperature Reactors
- IV Rules for Construction of Heating Boilers
- V Nondestructive Examination
- VI Recommended Rules for the Care and Operation of Heating Boilers
- VII Recommended Guidelines for the Care of Power Boilers
- VIII Rules for Construction of Pressure Vessels
  - Division 1
  - Division 2 Alternative Rules
  - Division 3 Alternative Rules for Construction of High Pressure Vessels
- IX Welding, Brazing, and Fusing Qualifications
- X Fiber-Reinforced Plastic Pressure Vessels
- XI Rules for Inservice Inspection of Nuclear Power Plant Components
  - ullet Division 1 Rules for Inspection and Testing of Components of Light-Water-Cooled Plants
  - Division 2 Requirements for Reliability and Integrity Management (RIM) Programs for Nuclear Power Plants
- XII Rules for Construction and Continued Service of Transport Tanks
- XIII Rules for Overpressure Protection

<sup>\*</sup> In the 2021 Edition, Subsections NC and ND have been incorporated into one publication, Subsection NCD (BPVC.III.1.NCD), Class 2 and Class 3 Components.

#### INTERPRETATIONS

Interpretations are issued in real time in ASME's Interpretations Database at http://go.asme.org/Interpretations. Historical BPVC interpretations may also be found in the Database.

#### **CODE CASES**

The Boiler and Pressure Vessel Code committees meet regularly to consider proposed additions and revisions to the Code and to formulate Cases to clarify the intent of existing requirements or provide, when the need is urgent, rules for materials or constructions not covered by existing Code rules. Those Cases that have been adopted will appear in the appropriate 2021 Code Cases book: "Boilers and Pressure Vessels" or "Nuclear Components." Each Code Cases book is updated with seven Supplements. Supplements will be sent or made available automatically to the purchasers of the Code Cases books up to the publication of the 2023 Code. Annulments of Code Cases become effective six months after the first announcement of the annulment in a Code Case Supplement or Edition of the appropriate Code Case book. Code Case users can check the current status of any Code Case at http://go.asme.org/BPVCCDatabase. Code Cases at http://go.asme.org/BPVCCDatabase. The Code Cases at http://go.asme.org/BPVCCDatabase.

#### **SUMMARY OF CHANGES**

The 2021 Edition of the Code Cases includes Code Case actions published through Supplement 7 to the 2019 Edition.

Changes given below are identified on the pages by a margin note, **(21)**, placed next to the affected area. Errata, if any, are identified by a margin note, **(E)**, placed next to the affected area.

Page	Location	Change
iv	List of Sections	<ul><li>(1) Listing for Section III updated</li><li>(2) Section XIII added</li><li>(3) Code Case information updated</li></ul>
X	Notes to Numeric Index	Revised
xi	Numeric Index	Updated
xvii	Subject Index	Updated
xxiii	Index of Material Specifications Referred to in Cases	Updated
xxvii	Applicability Index for Section XI Cases	Updated
1 (N-71-21)	N-71-21	Revised
1 (N-561-4)	N-561-4	Revised
1 (N-562-4)	N-562-4	Revised
1 (N-570-3)	N-570-3	Revised
1 (N-597-5)	N-597-5	Revised
1 (N-661-5)	N-661-5	Revised
1 (N-707-2)	N-707-2	Revised
1 (N-752-1)	N-752-1	Revised
1 (N-754-2)	N-754-2	Revised
1 (N-755-4)	N-755-4	Impending annulment
1 (N-766-4)	N-766-4	Revised
1 (N-770-7)	N-770-7	Revised
1 (N-786-4)	N-786-4	Revised
1 (N-789-4)	N-789-4	Revised
1 (N-809-1)	N-809-1	Revised
1 (N-813-1)	N-813-1	Revised
1 (N-847-1)	N-847-1	Revised
1 (N-853-1)	N-853-1	Revised
1 (N-865-2)	N-865-2	Revised
1 (N-871-1)	N-871-1	Revised
1 (N-877-1)	N-877-1	Paragraph 5(a) corrected by errata

Page	Location	Change
1 (N-880-1)	N-880-1	Revised
1 (N-882-1)	N-882-1	Revised
1 (N-897)	N-897	Added
1 (N-899)	N-899	Equations in paras2231, -2332, -2333, -2334, and -2336 corrected by errata
1 (N-903)	N-903	Added
1 (N-909)	N-909	Title; paras. 1, 2, and 3; and Table 1 corrected by errata
1 (N-911)	N-911	Added
1 (N-912)	N-912	Added
1 (N-913)	N-913	Added

#### LIST OF CHANGES IN RECORD NUMBER ORDER

**DELETED** 

# CROSS-REFERENCING AND STYLISTIC CHANGES IN THE BOILER AND PRESSURE VESSEL CODE

There have been structural and stylistic changes to BPVC, starting with the 2011 Addenda, that should be noted to aid navigating the contents. The following is an overview of the changes:

#### Subparagraph Breakdowns/Nested Lists Hierarchy

- First-level breakdowns are designated as (a), (b), (c), etc., as in the past.
- Second-level breakdowns are designated as (1), (2), (3), etc., as in the past.
- Third-level breakdowns are now designated as (-a), (-b), (-c), etc.
- Fourth-level breakdowns are now designated as (-1), (-2), (-3), etc.
- Fifth-level breakdowns are now designated as (+a), (+b), (+c), etc.
- Sixth-level breakdowns are now designated as (+1), (+2), etc.

#### **Footnotes**

With the exception of those included in the front matter (roman-numbered pages), all footnotes are treated as endnotes. The endnotes are referenced in numeric order and appear at the end of each BPVC section/subsection.

#### Submittal of Technical Inquiries to the Boiler and Pressure Vessel Standards Committees

Submittal of Technical Inquiries to the Boiler and Pressure Vessel Standards Committees has been moved to the front matter. This information now appears in all Boiler Code Sections (except for Code Case books).

#### **Cross-References**

It is our intention to establish cross-reference link functionality in the current edition and moving forward. To facilitate this, cross-reference style has changed. Cross-references within a subsection or subarticle will not include the designator/identifier of that subsection/subarticle. Examples follow:

- (Sub-)Paragraph Cross-References. The cross-references to subparagraph breakdowns will follow the hierarchy of the designators under which the breakdown appears.
  - If subparagraph (-a) appears in X.1(c)(1) and is referenced in X.1(c)(1), it will be referenced as (-a).
  - If subparagraph (-a) appears in X.1(c)(1) but is referenced in X.1(c)(2), it will be referenced as (1)(-a).
  - If subparagraph (-a) appears in X.1(c)(1) but is referenced in X.1(e)(1), it will be referenced as (c)(1)(-a).
  - If subparagraph (-a) appears in X.1(c)(1) but is referenced in X.2(c)(2), it will be referenced as X.1(c)(1)(-a).
- Equation Cross-References. The cross-references to equations will follow the same logic. For example, if eq. (1) appears in X.1(a)(1) but is referenced in X.1(b), it will be referenced as eq. (a)(1)(1). If eq. (1) appears in X.1(a)(1) but is referenced in a different subsection/subarticle/paragraph, it will be referenced as eq. X.1(a)(1)(1).

#### **(21)**

#### **NOTES TO NUMERIC INDEX**

- All Code Cases remain available for use until annulled by the ASME Boiler and Pressure Vessel Standards Committees. Code Cases will be reviewed routinely for possible incorporation into the body of the ASME Boiler and Pressure Vessel Code.
- Supplement 7 is the last supplement published for the 2019 edition. Supplement 8 is incorporated into the 2021 edition.
- Cases may be used beginning with the date of approval shown on the Case.
- Annulled Cases will remain in the Numeric Index and Subject Index until the next Edition, at which time they will be deleted.
- Newly revised cases supersede previous versions. Previous code case number will be added in the "Annulled Date/ Supersedes" column next to the newly revised code case.
- The digit following a Case Number is used to indicate the number of times a Case has been revised.
- The Cases are arranged in numerical order, and each page of a Case is identified at the top with the appropriate Case Number.

Legend of Abbreviations
Supp. = Supplement
R = Reinstated

## **NUMERIC INDEX**

**(21**)

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
2996-1	7-15-2020			
2997	6-5-2020			
N-4-13	2-12-2008			
N-60-6	12-6-2011			
N-62-7	5-11-1994			
N-71-21	1-11-2021			N-71-20
N-131-1	12-11-1981			
N-133-3	7-18-1985			
N-154-1	12-5-1985			
N-155-3	2-11-2016			
N-205	7-13-1981			
N-213-1	2-11-2016			
	3-6-1978(ACI)			
N-249-17	4-10-2018			
N-258-2	7-30-1986			
	3-17-1978(ACI)			
N-284-4	10-8-2012			
N-290-3	10-6-2019			
N-312	5-25-1983			
	9-26-1983(ACI)			
N-315	2-14-1983			
N-319-3	1-17-2000			
N-351	7-16-1982			
N-369	2-14-1983			
N-373-3	10-8-2004			
N-405-1	7-24-1989			
N-432-1	3-28-2001			
N-452	3-8-1989		<b></b>	
N-453-3	12-12-1995			
N-454-1	4-30-1992			
N-455-1	4-30-1992			
N-460	7-27-1988			•••
N-469-1	6-14-2000			
N-494-4	1-12-2005			
N-500-4	10-14-2011			
N-504-4	7-14-2006			
N-505	7-27-1992			
N-508-4	1-26-2009			
N-511	2-12-1993			
N-513-5	4-18-2018			
N-516-5	4-25-2016			
N-517-1	7-30-1998			
N-519-1	R1-16-2019			
N-520-6	12-11-2012			
N-525	12-9-1993			
N-526	8-9-1996			
N-528-1	5-7-1999			
N-530	12-12-1994			
N-532-5	1-4-2011			
N-537	3-14-1995			
N-539-1	8-16-2016			
N-548	3-19-1996			
N-552-1	6-22-2012			
N-560-2	3-28-2000			
N-561-4	10-9-2020			N-561-3
N-562-4	10-9-2020			N-562-3
N-564-2	1-17-2000			
N-565	12-31-1996			

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
N-566-2 N-570-3	3-28-2001 1-11-2021		<b></b>	 N-570-2
N-575	8-14-1997	•••	<b></b>	
N-576-2	3-16-2012	•••	<b></b>	
N-577-1	3-28-2000	•••		
N-578-1	3-28-2000			
N-579	8-14-1997			
N-580-2	1-4-2008			
N-586-1	5-4-2004	•••		•••
N-589-1	7-23-2002			
N-593-2	11-8-2011			•••
N-594-1	10-14-2011			
N-597-5	10-9-2020			N-597-4
N-600	9-18-2001	•••		•••
N-606-2	6-21-2013			
N-607	2-26-1999			
N-609-1	9-17-2010	•••		•••
N-610	7-30-1998			
N-613-2	12-20-2010 2-15-1999			
N-619 N-620	2-13-1999 2-26-1999	•••	···	•••
N-621-1	10-8-2004	•••	···	
N-624	5-7-1999	•••		
N-625-1	3-28-2001			
N-631	9-24-1999			•••
N-632	12-3-1999			
N-633	6-14-2002			
	6-14-2002(ACI)			
N-635-1	2-14-2003			
N-636	9-24-1999			
N-637-1	9-20-2010			
N-638-11	8-2-2019	•••		•••
N-639	9-24-1999			
N-641 N-642	1-17-2000 3-28-2000	•••	···	***
N-643-2	5-4-2004		•••	
N-644-1	2-14-2003			
N-648-2	9-4-2014	•••		•••
N-649	3-28-2001		<del></del>	
N-650	3-28-2001			•••
N-651	8-14-2001			
N-652-2	9-3-2010			
N-653-2	6-23-2015			•••
N-654	4-17-2002			
N-655-2	9-27-2010			•••
N-658	4-4-2002			
N-659-3 N-660	10-12-2017 7-23-2002	•••	<b></b>	
N-661-5	10-9-2020	•••	···	 N-661-4
N-662-1	6-25-2011	•••		
N-663	9-17-2002			
N-664	8-20-2002	···		
N-665	2-28-2003		<del></del>	
N-666-1	3-13-2012			
N-673	8-7-2003			
N-683	2-14-2003			
N-685	5-9-2003			
N-686-1	1-10-2007		<b></b>	
N-691-1	4-17-2020			
N-692-1	5-9-2016			
N-694-2	1-16-2013			

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
N-695-1	12-31-2014			
N-696-1	5-7-2014			
N-698	11-18-2003			
N-699	1-5-2006			
N-702-1	4-18-2019			
N-703	5-4-2004			
N-705-1	6-30-2017			
N-706-1	1-10-2007			
N-707-2	1-11-2021			N-707-1
N-708	9-21-2007	•••		
N-710	5-5-2004	•••		
N-711-2	5-13-2020			
N-712	5-12-2004			
N-716-3	1-21-2020			
N-721-1	10-20-2016			
N-722-2	9-8-2011			
N-725	1-12-2005			
N-727	2-24-2006			
N-729-8	3-27-2019			
N-730-1	7-16-2012			
N-731	2-22-2005			
N-733-1	4-17-2020			
N-735	10-12-2006	***		
N-736	1-5-2006			
N-738	7-1-2005			
N-739-1	1-21-2007			
N-740-2	11-10-2008			
N-741	10-11-2005			•••
N-746	1-5-2006			
N-747	1-13-2006			
N-748	9-9-2008			
N-749	3-16-2012			
N-751 N-752-1	8-3-2006			 N 752
N-753 N-753	4-12-2021 7-14-2006	***	***	N-752
N-754-2	10-9-2020			 N-754-1
N-755-4	5-11-2017		 1-1-2022	
N-756	1-21-2007			
N-757-1	9-21-2007			
N-759-2	1-4-2008			
N-760-2	10-10-2008			
N-761	9-20-2010	•••		***
N-762-1	10-21-2013	•••		
N-763	8-28-2008			
	3-19-2010(ACI)			
N-765	1-26-2009			
N-766-4	10-9-2020			N-766-3
N-767	1-4-2008			
N-768	10-16-2018			
N-769-2	7-16-2012			
N-770-7	12-4-2020			N-770-6
N-771	9-8-2011			
N-773	1-26-2009			
N-774	9-3-2008			
N-775	6-24-2010			
N-776	4-9-2010			
N-777	10-10-2008			
N-778	12-25-2009			
N-779	1-26-2009			
N-780	4-9-2010			•••
N-782	1-30-2009			

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
N-784	4-9-2010			
N-785	10-12-2009			
N-786-4	10-9-2020	***	<b></b>	N-786-3
N-788-1	3-6-2017	***	<b></b>	
N-789-4	10-9-2020			N-789-3
N-791	9-20-2010	***	<b></b>	
	10-23-2010(ACI)			
N-792-1	8-12-2012			
N-793	9-20-2010			
	10-23-2010(ACI)			
N-794	9-20-2010			
	10-23-2010(ACI)			
N-795	9-17-2010			
N-796	10-18-2010			
	10-23-2010(ACI)	***		
N-798	12-20-2010	***	<b></b>	
N-799	12-20-2010	***		
N-800	12-20-2010	***	<b></b>	
N-801-3	5-11-2017			
N-803	2-25-2011			
N-804	10-14-2011		<b></b>	
N-805	2-25-2011		<b></b>	
N-806-1	12-15-2015		<b></b>	
N-807	4-20-2011			
	9-6-2011(ACI)			
N-809-1	10-9-2020		<b></b>	N-809
N-811	8-5-2011			
	9-6-2011(ACI)			
N-812-1	1-10-2013		<b></b>	
N-813-1	12-4-2020		<b></b>	N-813
N-815	12-6-2011			
N-816	12-6-2011		<b></b>	
N-817	12-6-2011		<b></b>	
N-818-1	8-20-2014			
N-819	12-6-2011		<b></b>	
N-820	12-29-2011		<b></b>	
	1-25-2012(ACI)		<b></b>	
N-822-4	8-2-2016			
N-823-1	1-23-2014			
N-824	10-16-2012			
N-825	10-2-2013			
N-826	7-16-2012			
N-829	12-28-2012			
N-830	9-4-2014	***		
N-831-1	7-25-2018	***		
N-833	1-2-2013			
	1-23-2013(ACI)			
N-834	10-22-2013			
N-836	10-22-2013			
N-837	10-22-2013	***		
N-838	8-3-2015			
N-839	9-4-2014		<b></b>	
N-840	1-23-2014			•••
N-841	1-6-2014			
N-842	1-28-2014		<b></b>	
N-843	1-23-2014		<b></b>	
N-844	2-9-2014		<b></b>	
N-845-1	4-25-2016		<b></b>	
N-846	7-25-2014		<b></b>	
N-847-1	10-9-2020		<b></b>	N-847
N-848-1	11-7-2016			

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
N-849	9-4-2014			
N-850	10-20-2014		<del></del>	
	8-1-2014(ACI)			***
N-851	11-5-2014			***
N-852	2-9-2015			
N-853-1	11-20-2020			N-853
N-854	4-15-2015			
N-855	7-8-2015		•••	
N-856	7-16-2015		•••	
N-858	6-28-2017		•••	
N-859	1-20-2016		***	
N-860	7-6-2020		•••	
N-861-1	12-2-2019		•••	
N-862-1	12-2-2019		•••	
N-863-1	2-16-2017			
N-864	7-28-2017			***
N-865-2	10-9-2020			N-865-1
N-866	11-14-2016			***
N-867	11-7-2016			
N-868	10-20-2016			***
N-869	7-5-2018		<b></b>	
N-870-1	11-2-2017		<b></b>	
N-871-1	10-9-2020		<b></b>	N-871
N-872	10-20-2016		•••	
N-873	5-10-2017		•••	
N-874	8-1-2018		•••	
N-875	5-11-2017		•••	
N-876	6-12-2017		•••	
N-877-1	2-10-2020	2021	•••	
N-878	4-18-2017		•••	
N-879	5-10-2017		•••	
N-880-1	11-20-2020		•••	N-880
N-881	12-4-2017		•••	
N-882-1	10-9-2020		•••	N-882
N-883	1-29-2018		•••	
N-884	10-23-2018		•••	
N-885	12-4-2018		•••	
N-886	5-2-2018		•••	
N-887	5-2-2018		•••	
N-888	3-23-2020		•••	
N-889	7-12-2018		•••	
N-890	10-16-2018		•••	
N-891	12-17-2018		<b></b>	
N-892	1-9-2019		•••	
N-893	12-21-2019		•••	
N-896	8-2-2019			•••
N-897	12-30-2020		•••	
N-898	10-6-2019		•••	
N-899	7-23-2019	2021	•••	
N-900	7-29-2019		•••	
N-901	12-21-2019			
N-902	2-20-2020		•••	
N-903	4-28-2020			
N-904	5-27-2020			
N-905	5-27-2020		···	
N-906	7-20-2020			
N-907	8-14-2020			
N-908	9-2-2020		···	
N-909	8-10-2020	2021		
N-910	9-2-2020			
N-911	12-4-2020			
/11	12 1 2020		•••	•••

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
N-912	12-4-2020		•••	
N-913	12-4-2020			

Subject	Case		
Section III — Division 1		Subject	Case
Rules for Construction of Nuclear Facility Compone	nts	Section III — Division 1	
Additional Materials for Subsection NF, Class 1, 2, 3, and MC		Rules for Construction of Nuclear Facility Components (	Cont'd
Supports Fabricated by Welding	N-71	Alternatives to the Requirements of NB-4424.2(a), Figure NB-	
Additional Materials for Subsection NF, Class 1, 2, 3, and MC		4250-2, and Figure NB-4250-3	
Supports Fabricated Without Welding		Application of the ASME Certification Mark	
Air Cooling of SA-182 Grades F304, F304L, F316, F316L Forgings		Application of the ASME NPT Stamp	N-852
Instead of Liquid Quenching After Solution Heat Treatment,		ASTM A988/A988M-11 UNS S31603, Subsection NB, Class 1	
Classes 1, 2, and 3	N-548	Components	N-834
Alternate Design Fatigue Curves to Those Given in For Section III	N 005	Boron Containing Powder Metallurgy Aluminum Alloy for	N 675
Appendices, Mandatory Appendix I, Figures I-9.1 and I-9.1M. Alternate Procedure for Evaluation of Stresses in Butt Welding	N-905	Storage and Transportation of Spent Nuclear Fuel	
Elbows in Class 1 Piping	N 210	Calibration of C <sub>v</sub> Impact Test Machines	
Alternative Materials for Construction of Section III, Class 2	N-313	Construction of ASME B16.9 Wrought Buttwelding Fittings and	N-040
Vessels	N-866	ASME B16.11 Forged Fittings Made From SB-366 UNS N04400	
Alternative Methods of Nozzle Attachment for Class 1 Vessels .		Material for Section III, Class 3 Construction	N-859
Alternative Preheat Temperature for Austenitic Welds in P-No. 1	11 505	Construction of Items Prior to the Establishment of a Section III,	11 00 2
Material Without PWHT	N-804	Division 1 Owner	N-883
Alternative PWHT Time at Temperature for P-No. 5A or P-No. 5B		Design Stress Intensities and Yield Strength Values for UNS	
Group 1 Material, Classes 1, 2, and 3	N-373	N06690 With a Minimum Specified Yield Strength of 30 ksi,	
Alternative Reference Stress Intensity Factor ( $K_{IR}$ ) Curve for		Class 1 Components	N-525
Class Components	N-610	Design Stress Intensities and Yield Strength Values for UNS	
Alternative Requirements to Appendix XXVI, XXVI-2400,		N06690 With a Minimum Specified Yield Strength of 35 ksi	
XXVI-4130, and XXVI-4131 for Inspection and Repair of		(240 MPa), Class 1 Components	N-698
Indentations for Polyethylene Pipe and Piping Components .	N-891	Design Stress Values for UNS N06690 With a Minimum Specified	
Alternative Rules for Acceptability for Class 1 Valves, NPS 1		Yield Strength of 35 ksi (240 MPa), Classes 2 and 3	
(DN 25) and Smaller With Nonwelded End Connections Other		Components	N-725
Than Flanges	N-756	Design Temperatures for Atmospheric and 0–15 psi Storage	
Alternative Rules for Acceptability for Class 2 and 3 Valves,		Tanks	N-511
NPS 1 (DN 25) and Smaller With Welded and Nonwelded End		Dissimilar Welding Using Continuous Drive Friction Welding for	
Connections Other Than Flanges	N-757	Reactor Vessel CRDM/CEDM Nozzle to Flange/Adapter Welds,	
Alternative Rules for Determining Allowable External Pressure		Class 1	N-/2/
and Compressive Stresses for Cylinders, Cones, Spheres, and	N 750	Exempting SA-508 Grade 1A From PWHT Based on	N 001
Formed Heads, Class 1, 2, and 3	N-739	Measurement of Residual Stress in Class 1 Applications Exemptions to Mandatory PWHT of SA-738 Grade B for Class MC	14-001
Piping Systems	N-900	Applications	N-841
Alternative Rules for Linear Piping and Linear Standard	11 700	Extension of Joining Personnel's Qualification Continuity	
Supports for Classes 1, 2, 3, and MC	N-570	Fatigue Design Curves for Light Water Reactor (LWR)	2770
Alternative Rules for Linear Piping Supports		Environments	N-761
Alternative Rules for Progressive Liquid Penetrant Examination		Fatigue Evaluations Including Environmental Effects	
of Groove Welds in P-No. 8 Materials $^3\!/_{16}$ in. (5 mm) Thick and		Fiberglass Reinforced Thermosetting Resin Pipe	
Less Made by Autogenous Machine or Automatic Welding	N-642	Guidance on Implementation of NS Certificate of Accreditation.	N-607
Alternative Rules for Renewal of Active or Expired Certificates		Heat Exchanger Tube Mechanical Plugging, Class 1	N-836
for Plants Not in Active Construction	N-520	Internal and External Valve Items, Classes 1, 2, and 3	N-62
Alternative Rules for Simplified Elastic-Plastic Analysis Class ${\bf 1}$ .	N-779	Martensitic Stainless Steel for Classes 1, 2, and 3 Components .	N-469
Alternative Rules for Simplified Elastic–Plastic Analysis	N-904	Material for Core Support Structures	N-60
Alternative Rules for Standard Supports for Classes 1, 2, 3, and		Material for Internal Pressure Retaining Items for Pressure	
MC	N-500	Relief Valves, Classes 1, 2, and 3	N-131
Alternative Rules for the Examination of Butt Welds Used as		Metal Containment Shell Buckling Design Methods, Class MC, TC,	
Closure Welds for Electrical Penetration Assemblies in		and SC Construction	
Containment Structures	N-505	NDE of Full Penetration Butt Welds in Class 2 Supports	
Alternative to the Registered Professional Engineer		Ni-Cr-Mo Alloy (UNS N06022) Welded Construction to 800°F	
Requirements		Ni-Cr-Mo Alloy (UNS N06059) Welded Construction to 800°F	N-625
Alternatives to the Requirements of NB-4250(c)	N-844	Nickel-Chromium-Molybdenum-Copper Stainless Steel (UNS N09925 and N09926) for Class 2 and 3 Construction	N_4.53

1 (UNS R50250) Plate and Sheet for Class 1 Construction . . . N-699

Piping Welds . . . . . N-560

Calibration of C<sub>v</sub> Impact Test Machines . . . . . . N-777

Extension of Joining Personnel's Qualification Continuity..... 2996

Repair/Replacement Activities ...... N-660

Subject Ca	ase Subject	Case
Section XI, Division 1	Section XI, Division 1	
Rules for Inservice Inspection of Nuclear Power Plant Compon (Cont'd)	ents Rules for Inservice Inspection of Nuclear Power Plant Comp (Cont'd)	onents
Roll Expansion of Class 1 Control Rod Drive Bottom Head	Ultrasonic Examination of Cast Austenitic Piping Welds From the	
Penetrations in BWRs N-7	30 Outside Surface	N-824
Roll Expansion of Class 1 In-Core Housing Bottom Head	Ultrasonic Examination of Full Penetration Nozzles in Vessels,	
Penetrations in BWRs N-7	69 Examination Category B-D, Reactor Nozzle-To-Vessel Welds	
Rotation of Snubbers and Pressure Retaining Items for the	and Nozzle Inside Radius Section, Figures IWB-2500-7(a), (b),	
Purpose of Testing or Preventive Maintenance N-5	08 (c), and (d)	N-613
Similar and Dissimilar Metal Welding Using Ambient	Ultrasonic Examination of Full Penetration Vessel Weld Joints in	
Temperature Automatic or Machine Dry Underwater Laser	Figures IWB-2500-1 Through IWB-2500-6 N	N-826
Beam Welding (ULBW) Temper Bead Technique N-8	03 Underwater Welding N	N-516
Similar and Dissimilar Metal Welding Using Ambient	Vision Tests	N-753
Temperature Machine GTAW Temper Bead Technique N-6	38 Visual Examination	N-823
Similar and Dissimilar Metal Welding Using Ambient	Visual Examinations for PWR Pressure Retaining Welds in Class	
Temperature Machine GTAW Temper Bead Technique for	1 Components Fabricated With Alloy 600/82/182 Materials . N	N-722
BWR CRD Housing/Stub Tube Repairs N-6	06 Weld Overlay of Class 1, 2, and 3 Socket Welded Connections N	N-666
Similar and Dissimilar Metal Welding Using Ambient	Weld Residual Stress Distributions for Piping and Vessel Nozzle	
Temperature SMAW or Machine GTAW Temper Bead	Butt Welds Fabricated With UNS N06082, UNS W86182, UNS	
Technique N-8	88 N06052, or UNS W86152 Weld Filler Metal	<b>1-899</b>
Similar and Dissimilar Metal Welding Using Ambient	Section XI, Division 2	
Temperature SMAW Temper Bead Technique N-83	39 Requirements for Reliability and Integrity Management (	RIM)
Successive Inspections N-6	24 Programs for Nuclear Power Plants	
Successive Inspections of Class 1 and 2 Piping Welds N-7	35 Inspection Requirements and Evaluation Standards for Spent	
Temper Bead Procedure Qualification Requirements for Repair/	Nuclear Fuel Storage and Transportation Containment	
Replacement Activities Without Postweld Heat Treatment N-7	62 Systems	<b>1-860</b>
Temporary Acceptance of Leakage Through Brazed Joints of	Section XI, Division 3	
Class 3 Copper, Copper-Nickel, and Nickel-Copper Moderate	Rules for Inspection and Testing of Components of Liqu	ıid-
Energy Piping N-8	74 Metal-Cooled Plants	
Third Party NDE Certification Organizations N-78	88 Alternative Inservice Inspection Requirements for Liquid-Metal	
Third-Party NDE Certification for Non-U.S. Plant Sites N-8	68 Reactor Passive Components	<b>N-875</b>
Transfer of Welder, Welding Operator, Brazer, and Brazing	Nondestructive Examination (NDE) Personnel Eye Examination	
Operator Qualifications Between Owners N-6	oo for Level I, II, or III Certification Extension	2997
Ultrasonic Examination in Lieu of Radiography for Welds in		
Forritic or Austonitic Dina	21	

## INDEX OF MATERIAL SPECIFICATIONS REFERRED TO IN CASES (21)

ASM Specifications	Materials	Case	Materials	Case
SA-20/SA-20M.		N 74		N 000
SA-29/SA-29M.   N-993				
5A-36         N-71, 249         SA-533 Type B Class 2         N-890           SA-1162         N-60, 635, 636, 741, 767, 910         SA-533 Type B Class 2         N-633, 847, 888, 890           SA-182 Grades F304, F314, F316, F3161         N-68         SA-533 Type B Class 2         N-633, 847, 888, 890           SA-193         N-60, 71, 249         SA-537 Grade B         N-808           SA-212         N-636         SA-5910 Grades B21, B22, B23, B24         N-249           SA-213         N-636         SA-5910 Grades B21, B22, B23, B24         N-249           SA-217 Grade C12         N-636         SA-591 Grades B21, B22, B23, B24         N-249           SA-243         N-900         SA-636         SA-591 Class 1         N-71           SA-240         N-636, 537, 736         SA-563         N-71         A-249           SA-247         N-838         SA-573 Grades 42, 50         N-71           SA-249         N-636, 637, 736         SA-573 Grades 42, 50         N-71           SA-227 Type 403         N-4         SA-638 Grade 660         N-767           SA-302 Crade B         N-638, 839         SA-675         N-71           SA-325 Grades B         N-636, 637, 736         SA-75         N-72           SA-325 Grade B         N-636, 767, 900	•			
SA-106         N-900         SA-333 Type B Class 2         N-6-10, 847, 888, 996           SA-182 Cardes F304, F304, F316, F316         N-548         SA-372 Cardes F304, F304, F316, F316         N-60           SA-193 Cardes F304, F304, F304, F316, F316         N-60, 71, 249, 579         SA-537 Class 1         N-707           SA-194         N-60, 71, 249, 579         SA-537 Grade B         N-888           SA-212         N-636         SA-41 Class 1         N-249           SA-213         N-636         SA-41 Class 1         N-71           SA-214 Class 1         N-888         SA-44 Class 1         N-71           SA-224         N-900         SA-56 Classes 1, 2, 3, 4         N-71           SA-237 Type MN-17         N-249         SA-52 Grades 12, 50 mys M-12, M13         N-249           SA-240 Type MN-17         N-249         SA-57 Grades 12, 50 mys M-12, M13         N-249           SA-276 Type 403         N-4         SA-638 Grade 60.         N-70           SA-210 Grade B         N-636, 637, 736         SA-666         N-767           SA-210 Grade B         N-636, 767, 900         SA-675 Grades 52, 70         N-71           SA-220 Crade E         N-249         SA-666         N-767           SA-235 Grade E         N-249         SA-738 <td></td> <td></td> <td></td> <td></td>				
SA-182				
SA-182 Crades F204, F204, F204, F204   N-560   N-60, 71, 249   SA-537 Class   N-707				
SA-194				
5A-194         N-60, 71, 249, 579         SA-537 Grade B.         N-888           SA-212         N-536         SA-540 Grades B21, B22, B23, B24         N-749           SA-213         N-636         SA-541 Class 1.         N-888           SA-217 Grade C12         N-249         SA-542 Classes 1, 2, 3, 4         N-71           SA-234         N-000         SA-566         SA-594 Classes 1, 2, 3, 4         N-71, 249           SA-240 Type XM-17         N-249         SA-566 Grade Sa0 Types XM-12, XN-13         N-72           SA-240 Type XM-17         N-249         SA-576 Crades 42, 50         N-71           SA-276 Type 403         N-4         SA-638 Grade 660         N-767           SA-276 Type 403         N-4         SA-638 Grade 660         N-767           SA-302 Grade B         N-638, 839         SA-666         N-767           SA-302 Grade A         N-249         SA-675         N-879           SA-312 C         N-749         SA-675         N-71           SA-325 Type 1         N-249         SA-693         N-249           SA-335 Crade LC         N-767         SA-90         N-635, 741, 910           SA-335 Crade LC         N-447, 888         SA-615         N-865           SA-352 Grade LCB         N-44				
SA-212         N-636         SA-54 Classes 1, E2, B23, B24         N-249           SA-213				
5A.213         N-636         SA-541 Classes 1, 2, 3, 4         N-71           SA.224 Classes 1, 2, 3, 4         N-71         SA-234         N-900         SA-563         N-71, 249           SA-240         N-80, 636, 636, 736, 741, 834, 910         SA-563         N-71, 249         N-72           SA-240 Type XM-17         N-249         SA-572 Grades 42, 50         N-71           SA-276 Type 403         N-4         SA-638 Grade 660         N-60           SA-276 Type 403         N-4         SA-666         N-767           SA-276 Type 403         N-4         SA-666         N-767           SA-302 Grade B         N-638, 839         SA-666         N-767           SA-302 Grade B         N-636, 767, 900         SA-675 Crades 65, 70         N-71           SA-312         N-636, 767, 900         SA-675 Crades 65, 70         N-71           SA-325 Type 1         N-249         SA-789         N-635, 741, 910           SA-335 Grade P22         N-774         SA-789         N-635, 741, 910           SA-335 Grade LC1         N-847, 888         SA-918         N-635, 741, 910           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-928         N-635     <				
SA-217 Grade C12.   N-249   SA-542 Classes 1, 2, 3, 4   N-71				
5A-244         N-900         Xa-563 (36,741,834,91)         Xa-564 Grade 630 Types XM-12, XM-13         N-249           SA-240 Type XM-17         N-249         N-635, 637,736         SA-572 Grade 42,50         N-71           SA-276 Type 403         N-4         SA-638 Grade 660         N-60           SA-276 Type 403         N-4         SA-638 Grade 660         N-767           SA-307 Grade B         N-638, 839         SA-666         N-767           SA-307 Grade A         N-249         SA-675         N-879           SA-312         N-636, 767, 900         SA-675 Grades 65, 70         N-71           SA-325 Type 1         N-249         SA-693         N-658, 841           SA-325 Type 1         N-249         SA-738         N-655, 741, 910           SA-335 Grade P22         N-774         SA-789         N-635, 741, 910           SA-352 Grade LC1         N-847, 888         SA-813         N-636           SA-352 Grade LCB         N-847, 888         SA-92         N-554           SA-358 Grade LCB         N-249         SA-995         N-554           SA-354 Grades CB D         N-249         SA-995         N-526           SA-358 Grade LCB         N-847, 888         SA-928         N-635           SA-359 N				
5A-240         N-635, 636, 736, 741, 834, 910         SA-572 Grades 42, 50         N-71           SA-240 Type XM-17         N-249         SA-572 Grades 42, 50         N-71           SA-249         N-636, 637, 736         SA-574         N-249           SA-302 Grade B         N-638, 839         SA-666         N-767           SA-307 Grade A         N-249         SA-675 Grades 65, 70         N-71           SA-312         N-636, 767, 900         SA-675 Grades 65, 70         N-71           SA-320         N-249, 754         SA-693         N-249           SA-325 Type 1         N-249         SA-738         N-658, 841           SA-335 Grade P22         N-774         SA-789         N-635, 741, 910           SA-335 Grade P21         N-549         SA-788         N-665, 741, 910           SA-352 Grade LC1         N-847, 888         SA-813         N-636           SA-352 Grade LC1         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358 ABA, Sask         N-815         SA-988         N-865           SA-370         N-815, 66, 901         SB-148 Alloys 614, 630         N-133, 249           SA-375         N-826         SB-166				
SA-240 Type XM-17         N-249         SA-572 Crades 42, 50         N-71           SA-276 Type 403         N-4         SA-638 Grade 60         N-60           A-302 Crade B         N-638, 839         SA-666         N-767           SA-307 Grade A         N-249         SA-675         N-879           SA-312         N-636, 767, 900         SA-675         N-74           SA-320         N-249, 754         SA-693         N-249           SA-325 Type 1         N-249         SA-738         N-655, 841           SA-335 Grade P22         N-774         SA-789         N-635, 741, 910           SA-335 Grade LC1         N-847, 888         SA-813         N-636           SA-352 Grade LCB         N-847, 888         SA-928         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-635, 741, 908           SA-353 Grade ECB         N-636, 501         SB-148         N-855, 584           SA-358 Grade ECB         N-636, 501         N				
SA-249         N-630, 637,736         SA-574         N-249           SA-276 Type 403         N-4         SA-638 Grade 660.         N-60           SA-302 Crade B         N-630,839         SA-666         N-767           SA-307 Grade A         N-249         SA-675         N-879           SA-312         N-630,767,900         SA-675 Grades 65,70         N-71           SA-320         N-249,754         SA-693         N-249           SA-325 Type 1         N-249         SA-789         N-635,741,910           SA-335 Grade P22         N-774         SA-789         N-635,741,910           SA-335 Grade LC1         N-847,888         SA-813         N-636           SA-352 Grade LC1         N-847,888         SA-915         N-635,741,910           SA-353 Grade LCB         N-847,888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358 N         N-636         SB-148         N-955           SA-358 N         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-851, 54, 606, 638, 651, 762, 2         SB-168 Alloys 614, 630         N-133, 249           SA-376         N-803, 900         SB-150 Alloys 614, 630         N				
SA-276 Type 403         N-4         SA-368 Grade 660         N-60           SA-302 Grade B         N-638, 839         SA-666         N-767           SA-312         N-636, 767, 900         SA-675         N-879           SA-320         N-249         SA-693         N-249           SA-322 Type 1         N-249         SA-788         N-655, 841           SA-335 Grade P22         N-774         SA-789         N-635, 741, 910           SA-335 Grade LC1         N-847, 888         SA-813         N-636           SA-352 Grade LC1         N-847, 888         SA-815         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-644           SA-358 Grade LCB         N-847, 888         SB-148         N-855           SA-358 Grade LCB         N-847, 888         SB-148         N-855           SA-358 Grade LCB         N-847, 888         SB-148         N-855           SA-358 Grade LCB         N-856         N-81, 88         SB-148         N-855           SA-358 Grade LCB         N-818         SB-148         N-855				
SA-302 Grade B         N-638, 839         SA-666         N-767           SA-307 Grade A         N-249         SA-675         N-879           SA-312         N-636, 767, 900         SA-675 Grades 65, 70         N-71           SA-320         N-249, 754         SA-693         N-249           SA-325 Type 1         N-249         SA-788         N-655, 741, 910           SA-335 Grade P22         N-774         SA-789         N-635, 741, 910           SA-336         N-767         SA-790         N-635, 741, 910           SA-351         N-539         SA-813         N-636           SA-352 Grade LCI         N-847, 888         SA-815         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grade's BC, BD         N-249         SA-995         N-564           SA-358 N         N-636         SB-148 Alloys 952, 954         N-133           SA-370 N         N-815, 516, 606, 638, 651, 762, 86         SB-150 Alloys 614, 630         N-133, 249           SA-370 N         N-636, 900         SB-150 Alloys 614, 630         N-249           SA-395 N         N-206         SB-160 Alloys 614, 6				
SA-317 Grade A.         N-249         SA-675 Grades 65, 70.         N-879           SA-312         N-636, 767, 900         SA-675 Grades 65, 70.         N-74           SA-320         N-249         SA-693         N-249           SA-325 Type 1         N-249         SA-738         N-655, 841           SA-335 Grade P22         N-774         SA-799         N-635, 741, 910           SA-336         N-767         SA-790         N-635, 741, 910           SA-351         N-539         SA-813         N-636           SA-352 Grade LC1         N-847, 888         SA-915         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358 MA-358M         N-815         SB-168         N-855           SA-370         N-835, 1516, 606, 638, 651, 762         SB-168         N-855           SA-370         N-831, 516, 606, 638, 651, 762         SB-168         N-855           SA-370         N-855, 807, 91, 793, 794, 796, 803         SB-150 Alloys 614, 630         N-133, 249           SA-370         N-856, 809         SB-168         N-500         N-855           SA-370         N-856, 90				
SA-312         N-636, 767, 900         SA-675 Grades 65, 70         N-71           SA-320         N-249, 754         SA-693         N-249           SA-325 Type 1         N-249         SA-738         N-655, 841           SA-335 Grade P22         N-774         SA-789         N-635, 741, 910           SA-335 Grade P22         N-774         SA-799         N-635, 741, 910           SA-352 Grade LC1         N-847, 888         SA-813         N-636           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358/N-358M         N-815         SB-148 Alloys 952, 954         N-33           SA-370         N-831, 516, 606, 638, 651, 762, 81-50         N-855         N-855           SA-370         N-851, 793, 794, 796, 803         SB-150 Alloys 614, 630         N-133, 249           807, 839, 888         SB-150 Alloys 614, 630         N-249           SA-395         N-205         SB-166         N-525, 580, 722, 836, 872, 878           SA-490         N-636, 900         SB-160 Alloys 614, 630         N-349           SA-493         N-60, 249, 733         N-60, 249, 733         898           SA-479         N-60, 635, 636, 736				
SA-320         N-249, 754         SA-693         N-249           SA-325 Type 1         N-249         SA-789         N-655, 841           SA-335 Grade P22         N-774         SA-789         N-635, 741, 910           SA-336         N-767         SA-790         N-635, 741, 910           SA-351         N-807         SA-813         N-636           SA-352 Grade LC1         N-847, 888         SA-815         N-635           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358         N-636         SB-148         N-855           SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-815         SB-148 Alloys 952, 954         N-133           SA-376         N-636, 900         SB-150 Alloys 614, 630         N-133, 249           SA-376         N-636, 900         SB-150 Alloys 614, 630         N-249           SA-493         N-249         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-205         SB-168         N-576, 722           SA-493         N-636, 900         SB-150 Alloys 61400, 63000         N-249				
SA-325 Type 1         N-249         SA-789         N-635, 741, 910           SA-335 Grade P22         N-767         SA-790         N-635, 741, 910           SA-351         N-539         SA-813         N-636           SA-352 Grade LC1         N-847, 888         SA-813         N-635           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358 SA-358         N-636         SB-148         N-855           SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-515, 166, 606, 638, 651, 762.         SB-150 Alloys 614, 630         N-133, 249           SA-376         N-636, 900         SB-150 Alloys 614, 630         N-249           SA-395         N-205         SB-168         N-576, 722           SA-403         N-636, 900         SB-150 Alloys 6140, 063000         N-249           SA-497         N-60, 638, 636, 736         SB-168         N-525, 580, 698, 722, 725, 872, 872, 872, 872, 872           SA-479         N-60, 635, 636, 736         SB-168         N-525, 580, 698, 722, 725, 872, 872, 872           SA-479         N-60, 635, 636, 736         SB-168         N-525, 580, 722, 872, 872 <td></td> <td></td> <td></td> <td></td>				
SA-335 Grade P22.         N.774         SA-789         N-635, 741, 910           SA-336         N.7667         SA-790         N-635, 741, 910           SA-351         N.539         SA-813         N-636           SA-352 Grade LCI         N-847, 888         SA-815         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-995         N-564           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358         N-636         SB-148 Alloys 952, 954         N-133           SA-370         N-815         SB-184 Alloys 952, 954         N-133           SA-370         N-351, 516, 606, 638, 651, 762, 88-150 Alloys 614, 630         N-133, 249           SA-376         N-636, 900         SB-150 Alloys 614, 630         N-133, 249           SA-395         N-205         SB-163         N-576, 722           SA-403         N-636, 900         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-249         SB-167         N-525, 580, 722, 872, 872, 872, 872, 872, 872, 872				
SA-336         N-767         SA-790         N-635, 741, 910           SA-351         N-539         SA-813         N-636           SA-352 Grade LCI         N-847, 888         SA-815         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358         N-636         SB-148         N-855           SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-351, 516, 606, 638, 651, 762         SB-150 Alloys 614, 630         N-133, 249           SA-376         N-363, 900         SB-150 Alloys 614, 630         N-249           SA-376         N-636, 900         SB-163 Alloys C61400, C63000         N-249           SA-493         N-636, 900         SB-166         N-525, 580, 698, 722, 725, 872, 872, 874, 898           SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872, 872, 874, 898           SA-479 Type 316         N-60, 635, 636, 736         SB-168         N-525, 580, 698, 722, 725, 872, 872, 872, 872, 872, 872, 872, 872				
SA-351         N-539         SA-813         N-636           SA-352 Grade LCI         N-847, 888         SA-928         N-635           SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358         N-636         SB-148         N-855           SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-351, 516, 606, 638, 651, 762, 72         SB-150 Alloys 614, 630         N-855           766, 791, 793, 794, 796, 803, 88         SB-150 Alloys 614, 630         N-133, 249           SA-376         N-636, 900         SB-150 Alloys C61400, C63000         N-249           SA-395         N-205         SB-163         N-576, 722           SA-494         N-249         SB-166         N-525, 580, 722, 836, 872, 898           SA-479         N-602, 497, 733         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-486 Grade 2Q         N-847, 888         SB-209         N-519, 866           SA-494 Type 316         N				
SA-352 Grade LC1         N-847, 888         SA-815         N-635, 741, 908           SA-352 Grade LCB         N-847, 888         SA-928         N-636           SA-354 Grade BCB, BD         N-249         SA-995         N-564           SA-358         N-636         SB-148         N-855           SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-351, 516, 606, 638, 651, 762, Ph. 100         SB-150 Alloys 614, 630         N-133, 249           R07, 839, 888         SB-150 Alloys 614, 630         N-133, 249           SA-376         N-636, 900         SB-150 Alloys C61400, C63000         N-249           SA-395         N-205         SB-163         N-576, 722           SA-493         N-636, 900         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872, 872, 874, 872           SA-479         N-60, 635, 636, 736         SB-168         N-525, 580, 698, 722, 725, 872, 872, 874, 872           SA-479 Type MM-30         N-62         SB-209         N-519, 866           SA-487 Grade 2Q         N-848, 88         SB-219         N-519, 673           SA-494 Grade 2Q         N-847, 888         SB-221         N-519, 673				
SA-352 Grade LCB         N-847, 888         SA-928         N-635           SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358         N-636         SB-148         N-855           SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-351, 516, 606, 638, 651, 762, 766, 791, 793, 794, 796, 803         SB-150 Alloys 614, 630         N-855           766, 791, 793, 794, 796, 803         SB-150 Alloys C64200         N-249           SA-376         N-636, 900         SB-150 Alloys C61400, C63000         N-249           SA-395         N-205         SB-163         N-576, 722           SA-490         N-249         SB-166         N-525, 580, 722, 836, 872, 898           SA-479         N-60, 635, 636, 736         SB-166         N-525, 580, 722, 872, 898           SA-479         N-60, 635, 636, 736         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-487         N-70         N-62         SB-209         N-519, 866           SA-487 Type XM-30         N-62         SB-209         N-519, 867           SA-487 Type XM-30         N-62         SB-209         N-519, 867				
SA-354 Grades BC, BD         N-249         SA-995         N-564           SA-358         N-636         SB-148         N-855           SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-376         N-351, 516, 606, 638, 651, 762, 766, 791, 793, 794, 796, 803, 881         SB-150 Alloys 614, 630         N-133, 249           SA-376         N-636, 900         SB-150 Alloys 614, 630         N-249           SA-395         N-205         SB-163         N-576, 722           SA-403         N-636, 900         SB-166         N-525, 580, 722, 836, 872, 898           SA-494         N-249         SB-166         N-525, 580, 722, 836, 872, 898           SA-479         N-249         SB-166         N-525, 580, 722, 836, 872, 898           SA-479 Type 316         N-60, 635, 636, 736         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-487 Type 316         N-70         SB-169 Alloy C61400         N-249           SA-487 Grade 2Q         N-847, 888         SB-209         N-519, 866           SA-494 Grade M35-1         N-901         SB-241/SB-241M         N-519           SA-508 Class 1         N-888         SB-265         N-699				
SA-358/SA-358M         N-636         SB-148         N-855           SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-351, 516, 606, 638, 651, 762, 766, 791, 793, 794, 796, 803         SB-150         N-855           766, 791, 793, 794, 796, 803         SB-150 Alloys 614, 630         N-133, 249           807, 839, 888         SB-150 Alloys C64200         N-249           SA-376         N-636, 900         SB-150 Alloys C64200         N-249           SA-403         N-636, 900         SB-163         N-576, 722           SA-449         N-249         SB-166         N-525, 580, 722, 836, 872, 898           SA-479         N-60, 6249, 733         SB-166         N-525, 580, 698, 722, 725, 872, 872, 872, 872, 872           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-479 Type XM-30         N-62         SB-209         N-519, 866           SA-487 Grade 2Q         N-847, 888         SB-21         N-519, 673           SA-494         N-856         SB-241/SB-241M         N-519           SA-494 Grade M35-1         N-901         SB-247         N-519, 817, 819           SA-508 Class 1         N-888         SB-255         N-699           SA-508 Class 2				
SA-358/SA-358M         N-815         SB-148 Alloys 952, 954         N-133           SA-370         N-351, 516, 606, 638, 651, 762, 766, 791, 793, 794, 796, 803, 881         SB-150 Alloys 614, 630         N-133, 249           BO7, 839, 888         SB-150 Alloys C64200         N-249           SA-376         N-636, 900         SB-150 Alloys C61400, C63000         N-249           SA-395         N-205         SB-163         N-576, 722           SA-403         N-636, 900         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872, 872, 872, 872, 872, 872, 872, 872				
SA-370         N-351, 516, 606, 638, 651, 762, 766, 791, 793, 794, 796, 803         SB-150 Alloys 614, 630         N-855           A-376         N-607, 839, 888         SB-150 Alloys 614, 630         N-133, 249           SA-376         N-636, 900         SB-150 Alloys C61400, C63000         N-249           SA-395         N-205         SB-163         N-576, 722           SA-403         N-636, 900         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872, 872, 872, 874           SA-479         N-60, 635, 636, 736         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-479 Type XM-30         N-62         SB-209         N-519, 866           SA-487 Grade 2Q         N-847, 888         SB-221         N-519, 673           SA-494         N-856         SB-24/SB-241M         N-519, 817, 819           SA-494 Grade M35-1         N-901         SB-241/SB-241M         N-519, 817, 819           SA-508 Class 1         N-888         SB-265         N-699           SA-508 Grade 2, Class 2         N-888         SB-271 Alloy C95400         N-249           SA-508 Grade 1A.         N-881         SB-386				
Act         Act <td></td> <td></td> <td>-</td> <td></td>			-	
SA-376         N-636, 900         SB-150 Alloy C64200         N-249           SA-395         N-205         SB-150 Alloys C61400, C63000         N-249           SA-403         N-566, 900         SB-163         N-576, 722           SA-449         N-249         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872, 872, 872, 872, 872, 872, 872, 872	SA-370			
SA-376         N-636, 900         SB-150 Alloys C61400, C63000         N-249           SA-395         N-205         SB-163         N-576, 722           SA-403         N-636, 900         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872,           SA-453 Grade 660         N-60, 249, 733         898           SA-479         N-60, 635, 636, 736         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-487 Type XM-30         N-62         SB-209         N-519, 866           SA-487 Grade 2Q         N-847, 888         SB-211         N-519, 673           SA-494         N-856         SB-241/SB-241M         N-519           SA-494         N-856         SB-241/SB-241M         N-519           SA-494         N-856         SB-241/SB-241M         N-519, 817, 819           SA-508 Class 1         N-901         SB-247         N-519, 817, 819           SA-508 Class 2         N-888, 896         SB-271 Alloy C95400         N-249           SA-508 Class 3         N-888         SB-338 Grade 2         N-699           SA-508 Grade 2, Class 1         N-610 <td< td=""><td></td><td></td><td></td><td></td></td<>				
SA-395         N-205         SB-163         N-576, 722           SA-403         N-636, 900         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872,           SA-473 Grade 660         N-60, 635, 636, 736         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-479 Type XM-30         N-62         SB-209         N-519, 866           SA-487         N-71         SB-210         N-519           SA-487 Grade 2Q         N-847, 888         SB-221         N-519, 673           SA-494         N-856         SB-241/SB-241M         N-519, 673           SA-494 Grade M35-1         N-901         SB-247         N-519, 817, 819           SA-508 Class 1         N-888         SB-265         N-699           SA-508 Class 2         N-888, 896         SB-271 Alloy C95400         N-249           SA-508 Grade 1A         N-881         SB-338 Grade 2         N-699           SA-508 Grade 2, Class 1         N-610         SB-348 Grade 2         N-699           SA-508 Grade 2, Class 2         N-890         SB-493         N-710           SA-508 Grade 3, Class 1 <th< td=""><td>SA 276</td><td></td><td></td><td></td></th<>	SA 276			
SA-403         N-636, 900         SB-166         N-525, 580, 722, 836, 872, 898           SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872,           SA-453 Grade 660         N-60, 249, 733         898           SA-479         N-60, 635, 636, 736         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-479 Type XM-30         N-62         SB-209         N-519, 866           SA-487         N-71         SB-210         N-519           SA-487 Grade 2Q         N-847, 888         SB-221         N-519, 673           SA-494         N-856         SB-241/SB-241M         N-519, 817, 819           SA-598 Class 1         N-901         SB-247         N-519, 817, 819           SA-508 Class 2         N-888         SB-265         N-699           SA-508 Class 3         N-888         SB-271 Alloy C95400         N-249           SA-508 Grade 1A         N-881         SB-338 Grade 2         N-699           SA-508 Grade 2, Class 1         N-610         SB-366         N-621, 625, 637, 859           SA-508 Grade 2, Class 1         N-610         SB-366         N-710           SA-508 Grade 3, Class 1         N-610			-	
SA-449         N-249         SB-167         N-525, 580, 698, 722, 725, 872,           SA-453 Grade 660         N-60, 249, 733         898           SA-479         N-60, 635, 636, 736         SB-168         N-525, 580, 722, 872, 898           SA-479 Type 316         N-703         SB-169 Alloy C61400         N-249           SA-479 Type XM-30         N-62         SB-209         N-519, 866           SA-487         N-71         SB-210         N-519           SA-487 Grade 2Q         N-847, 888         SB-221         N-519, 673           SA-494 Grade M35-1         N-901         SB-241/SB-241M         N-519           SA-494 Grade M35-1         N-901         SB-247         N-519, 817, 819           SA-508 Class 1         N-888         SB-265         N-699           SA-508 Class 2         N-888, 896         SB-271 Alloy C95400         N-249           SA-508 Grade 1A         N-881         SB-338 Grade 2         N-699           SA-508 Grade 2, Class 1         N-610         SB-366         N-621, 625, 637, 859           SA-508 Grade 2, Class 1         N-610         SB-366         N-710           SA-508 Grade 3, Class 2         N-890         SB-493         N-710           SA-508 Grade 3, Class 2         N-890         <				
SA-453 Grade 660.       N-60, 249, 733       898         SA-479       N-60, 635, 636, 736       SB-168       N-525, 580, 722, 872, 898         SA-479 Type 316       N-703       SB-169 Alloy C61400       N-249         SA-479 Type XM-30       N-62       SB-209       N-519, 866         SA-487       N-71       SB-210       N-519         SA-487 Grade 2Q       N-847, 888       SB-221       N-519, 673         SA-494       N-856       SB-241/SB-241M       N-519         SA-494 Grade M35-1       N-901       SB-247       N-519, 817, 819         SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Grade 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-346 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-880       SB-551				
SA-479       N-60, 635, 636, 736       SB-168       N-525, 580, 722, 872, 898         SA-479 Type 316       N-703       SB-169 Alloy C61400       N-249         SA-479 Type XM-30       N-62       SB-209       N-519, 866         SA-487       N-71       SB-210       N-519         SA-487 Grade 2Q       N-847, 888       SB-221       N-519, 673         SA-494       N-856       SB-241/SB-241M       N-519         SA-508 Class 1       N-901       SB-247       N-519, 817, 819         SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Grade 1A       N-881       SB-338 Grade 2       N-699         SA-508 Grade 2, Class 3       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-346       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-533 Class 1 Grade B       N-886       SB-551       N-710			30-107	
SA-479 Type 316       N-703       SB-169 Alloy C61400       N-249         SA-479 Type XM-30       N-62       SB-209       N-519, 866         SA-487       N-71       SB-210       N-519         SA-487 Grade 2Q       N-847, 888       SB-221       N-519, 673         SA-494       N-856       SB-241/SB-241M       N-519         SA-494 Grade M35-1       N-901       SB-247       N-519, 817, 819         SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710			SR-168	
SA-479 Type XM-30       N-62       SB-209       N-519, 866         SA-487       N-71       SB-210       N-519         SA-487 Grade 2Q       N-847, 888       SB-221       N-519, 673         SA-494       N-856       SB-241/SB-241M       N-519         SA-494 Grade M35-1       N-901       SB-247       N-519, 817, 819         SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-487       N-71       SB-210       N-519         SA-487 Grade 2Q       N-847, 888       SB-221       N-519, 673         SA-494       N-856       SB-241/SB-241M       N-519         SA-494 Grade M35-1       N-901       SB-247       N-519, 817, 819         SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710			•	
SA-487 Grade 2Q       N-847, 888       SB-221       N-519, 673         SA-494       N-856       SB-241/SB-241M       N-519         SA-494 Grade M35-1       N-901       SB-247       N-519, 817, 819         SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-494       N-856       SB-241/SB-241M       N-519         SA-494 Grade M35-1       N-901       SB-247       N-519, 817, 819         SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-494 Grade M35-1       N-901       SB-247       N-519, 817, 819         SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-508 Class 1       N-888       SB-265       N-699         SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710			•	
SA-508 Class 2       N-888, 896       SB-271 Alloy C95400       N-249         SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-508 Class 3       N-888       SB-338 Grade 2       N-699         SA-508 Grade 1A       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-508 Grade 1A.       N-881       SB-348 Grade 2       N-699         SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710		•		
SA-508 Grade 2, Class 1       N-610       SB-366       N-621, 625, 637, 859         SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-508 Grade 2, Class 2       N-890       SB-493       N-710         SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-508 Grade 3, Class 1       N-610       SB-523       N-710         SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-508 Grade 3, Class 2       N-890       SB-550       N-710         SA-533 Class 1 Grade B       N-888       SB-551       N-710				
SA-533 Class 1 Grade B				

Materials	Case	Materials	Case
ASME Specifications (Cont'd)		ASTM Specifications (Cont'd)	
SB-564		A564-74 Grades 630, XM-25	
	898	A565-74 Grades 615, 616	
SB-574		A567-74 Grade 1	
SB-575		A572 Grades 50, 65	
SB-584 Alloy C93700		A572 Grades 60, 65	
SB-619		A576 Grade 1008–1030	
SB-622	,	A579-99 Grade 12a	
SB-625		A580-83 Grades 302, 304, 316, 317 Class B	
SB-626		A580-98 Grades 302, 304, 316, 317 Class B	
SB-637		A581-80	
SB-649	N-637	A582-75 Grades 416, 416Se	N-62
SB-658	N-710	A582-95b Grades 303, 303Se, 416, 416Se.	N-249
SB-673		A611-97 Grades A,B,C	N-71
SB-688	N-539	A615	N-807
SB-691	N-746	A633 Grade E	N-213
SFA-5.1	N-651	A638-70 Grade 660	N-62
SFA-5.4	N-516	A653-99	N-249
SFA-5.5	N-651	A668-96e1 Classes B,C,D,F,K,L	N-71
SFA-5.11	N-453, 454, 455, 766, 770	A668-96e1 Classes B,C,D,F,K,L,M,N	N-249
SFA-5.14	N-453, 454, 455, 766, 770, 898	A693-84 Grade 630	N-249
ASTM Specifications		A703	N-564
A48	N-500	A706	N-213, 807
A108-99	N-71, 249	A709-06	N-763
A108 Grade 1030–1045	N-793	A743-03	N-736
A126	N-500	A790-04a	N-741
A148-93b	N-71, 249	A890	N-564
A182-75 Grade F6	N-62	A988/A988M-11	N-834
A217-75 Grade CA15	N-62	A1011-15 Grades 33, 36, 45	N-71
A228-93	N-249	B16-92 Alloy C36000, Class H102	N-249
A240-75 Grades 410, 410S	N-62	B124-99 Alloy C37700, Class M30	N-249
A262	N-834	B243	N-673
A268-74a Grade TP410	N-62	B311	N-673
A276	N-570	B366	N-454
A276-73 Type 403	N-131	B462	N-455
A276-75 Types 316, 403, 410, 420, 440C.	N-62	B464	N-453
A276-98b Types 420, 440C	N-249	B625	N-453, 454
A302, Grade B	N-896	B637 Grade 688 Type II, 718	N-62
A314-75 Grades 403, 410, 416, 416Se	N-62	B649	N-453, 454, 455
A322 Grade 4130-4145	N-793	B653	N-710
A322-91 Grade 4150	N-249	B670-95	N-249
A322-13	N-893	B673	N-453
A331-74 Grades 4140, 4340	N-62	C581	N-871
A331-95 Grade 8620CW	N-71	D149	N-871
A395	N-500	D570	N-871
A416	N-820	D638	N-589, 755, 871
A434-90a Classes BB, BC BD	N-249	D696	N-589
A453-75 Grade 660	N-62	D698	N-806
A458-71 Grade 651	N-131	D790	N-589
A471-94 Classes 2 through 6	N-249	D792	N-755
A473		D903	N-589
A477-41 Grade 651		D1141	N-871
A479-75 Grade 410	N-62, 131	D1238	N-755
A490-97		D1505	N-755
A511-08		D1598	
A513-98		D1599	
A514-94a		D1603	
A519-96		D2105	
A519/A519M-17		D2122	
A521-96 Class CG		D2240	
A536		D2247	
A546-82		D2290	
A554-08a		D2344	
A564 Type XM-13		D2369	
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Materials	Case	Materials	Case
ASTM Specifications (Cont'd)		ASTM Specifications (Cont'd)	
D2412	. N-755	E354-93	N-576
D2487	. N-806	E813	N-871
D2488	. N-806	E831	N-871
D2583	. N-589, 871	E1640	N-871
D2590	. N-589	E1921	N-830
D2657-03	. N-755	E1921-97	N-631
D2837	. N-755	E2160	N-871
D2990	. N-589, 871	E2546-15	N-881
D3035	. N-755, 886	F412-09	N-755
D3039	. N-871	F714-08	N-755, 886
D3045	. N-871	F1216	N-589
D3055-03a	. N-755	F1473	N-755
D3171	. N-871	F2620	N-755
D3261-03	. N-755	F2634	N-755
D3350-05	. N-755	F2880	N-891
D3418	. N-871	AWS Specifications	
D3479	. N-871	A4.3	N-763
D3983	. N-589	A5.1	N-807
D4018	. N-871	A5.5	N-807
D4218	. N-755	A5.18	N-807
D4253	. N-806	A5.20	N-807
D4354	. N-806	A5.28	N-807
D4541	. N-871	A5.29	N-807
D4787	. N-589	D1.1	N-793, 794, 796
D4883	. N-755	D3.6M-99	N-803
D5162	. N-589	International Specifications	
D5868	. N-871	JIS G4303	N-708
D7290	. N-871	JIS G 0595	N-860
D7616	. N-871	CHARTS FOR VESSELS UNDER EXTERNAL	L PRESSURE
E38	. N-840	Figure 1 Chart for Determining Shell	
E39	. N-840	Thickness of Cylindrical and Spherical	
E76	. N-840	Shell Under External Pressure When	
E185-82	. N-519	Constructed of High Alloy UNS S32760	
E354	. N-840	and UNS J93380	N-564
E384-16	. N-881		



## **APPLICABILITY INDEX FOR SECTION XI CASES**

This Index provides the range of Section XI Editions and Addenda applicable to each Section XI Case.

Code Case		App	licability
No.	Title	From	Up to and Including
N-34	Inservice Inspection of Welds on Nuclear Components	1970 Edition	1971 Edition with the Summer 1973 Addenda
N-72	Partial Postponement of Category B-C Examinations for Class 1 Components	1974 Edition	1977 Edition with the Winter 1977 Addenda
N-73	Partial Postponement of Category B-D Examinations for Class 1 Components	1974 Edition	1977 Edition with the Winter 1977 Addenda
N-98	Ultrasonic Examination — Calibration Block Tolerances [Note (1)]:		
	(a) For Division 1	1974 Edition	1977 Edition with the Summer 1978 Addenda
	(b) For Division 2	1974 Edition with the Winter 1975 Addenda	Not applicable
N-112	Acceptance Standards Class 2 and 3 Components	1974 Edition	1974 Edition with the Winter 1975 Addenda
N-113	Basic Calibration Block for Ultrasonic Examination of Welds 10 in. to 13 in. Thick	1971 Edition with the Summer 1973 Addenda	1974 Edition with the Summer 1976 Addenda
N-113-1	Basic Calibration Block for Ultrasonic Examination of Welds 10 in. to 14 in. Thick	1971 Edition with the Summer 1973 Addenda	2001 Edition
N-118	$ \begin{tabular}{ll} Examination — Acceptance Standards for Surface Indications in Cladding \\ \end{tabular}$		1974 Edition with the Winter 1975 Addenda
N-166	Reference by Section XI to N626.1-1975 for Qualification and Duties of Authorized Nuclear Inservice Inspection	1974 Edition	1977 Edition
N-167	Minimum Section Thickness Requirements for Repair of Nozzles	1974 Edition	1977 Edition with the Winter
N-198	Exemption From Examination for ASME Class 2 Piping Located at Containment Penetrations	1974 Edition with the Summer 1976 Addenda	1977 Edition with the Winter 1977 Addenda
N-198-1	Exemption From Examination for ASME Class 1 and 2 Piping Located at Containment Penetrations	1974 Edition with the Summer 1976 Addenda	1992 Edition with the 1993 Addenda
N-209	Conditional Acceptance of Identifiable Isolated or Random Rounded Indications		
	(a) For Class 1 Systems	1974 Edition	1980 Edition with the Winter 1980 Addenda
	(b) For Class 2 Systems	1974 Edition with the Summer 1976 Addenda	1983 Edition
N-210	Exemptions to Hydrostatic Test After Repairs	1974 Edition	1977 Edition with the Winter 1977 Addenda
N-211	Recalibration of Ultrasonic Equipment Upon Change of Personnel		1577 MacMa
	(a) To meet requirements of I-4230	1971 Edition with the Summer 1973 Addenda	1974 Edition with the Summer 1976 Addenda
	(b) To meet requirements of III-3330	1977 Edition	1980 Edition
N-216	Alternative Rules for Reactor Vessel Closure Stud Examination	1977 Edition	1977 Edition with the Winter 1977 Addenda
N-234	Time Between Ultrasonic Calibration Checks		
	(a) To meet requirements of I-4230	1971 Edition with the Summer 1973 Addenda	1974 Edition with the Summer 1976 Addenda
	(b) To meet requirements of III-3330	1977 Edition	1980 Edition
N-235	Ultrasonic Calibration Checks per Section V	1974 Edition with the Winter 1976 Addenda	1977 Edition with the Summer 1979 Addenda
N-236	Repair and Replacement of Class MC Vessels	1974 Edition	1983 Edition with the Winter 1984 Addenda

Code Case		Applicability	
No.	Title	From	Up to and Including
N-236-1	Repair and Replacement of Class MC Vessels	1974 Edition	1989 Edition with the 1990 Addenda
N-252	Low Energy Capacitive Discharge Welding Method for Temporary or Permanent Attachments to Components and Supports	1971 Edition	1980 Edition with the Winter 1980 Addenda
N-278	Alternative Ultrasonic Calibration Block Configuration, I-3131 and T-434.3		
	(a) To meet requirements of I-3131	1974 Edition	1974 Edition with the Summer
	(b) To meet requirements of T-434.3	1977 Edition	1983 Edition with the Winter 1984 Addenda
N-288	Hydrostatic Test Requirements for Class 1 and 2 Components	1974 Edition	1980 Edition with the Winter 1980 Addenda
N-306	Calibration Block Material Selection, Appendix I, I-3121 [Note (2)]	1974 Edition with the Summer 1975 Addenda	1974 Edition with the Summer 1976 Addenda
N-307	Revised Ultrasonic Examination Volume for Class 1 Bolting, Examination Category B-G-1, When the Examinations Are Conducted From the Center- Drilled Hole	1974 Edition	1983 Edition with the Winter 1984 Addenda
N-307-1	Revised Ultrasonic Examination Volume for Class 1 Bolting, Table IWB-2500-1, Examination Category B-G-1, When the Examinations Are Conducted From the Center-Drilled Hole	1974 Edition	1998 Edition with the 1999 Addenda
N-307-2	Revised Ultrasonic Examination Volume for Class 1 Bolting, Table IWB-2500-1, Examination Category B-G-1, When the Examinations Are Conducted From the End of the Bolt or Stud or From the Center- Drilled Hole	1974 Edition	1998 Edition with the 1999 Addenda
N-307-3	Ultrasonic Examination of Class 1 Bolting, Table IWB-2500-1, Examination Category B-G-1	1974 Edition	1998 Edition with the 1999 Addenda
N-308	Documentation of Repairs and Replacements of Components in Nuclear Power Plants	1974 Edition	1980 Edition with the Winter 1981 Addenda
N-311	Alternative Examination of Outlet Nozzle on Secondary Side of Steam Generators	1977 Edition with the Winter 1977 Addenda	2004 Edition
N-322	Examination Requirements for Integrally Welded or Forged Attachments to Class 1 Piping at Containment Penetrations	1977 Edition with the Summer 1978 Addenda	1992 Edition with the 1993 Addenda
N-323	Alternative Examinations for Integrally Welded Attachments to Vessels	1974 Edition	1974 Edition with the Winter 1976 Addenda
N-323-1	Alternative Examination for Welded Attachments to Pressure Vessels	1980 Edition with the Winter 1981 Addenda	1995 Edition with the 1996 Addenda
N-334	Examination Requirements for Integrally Welded or Forged Attachments to Class 2 Piping at Containment Penetrations	1977 Edition with the Summer 1978 Addenda	1980 Edition with the Summer 1980 Addenda
N-335	Rules for Ultrasonic Examination of Similar and Dissimilar Metal Piping Welds	1974 Edition	1980 Edition with the Winter 1981 Addenda
N-335-1	Rules for Ultrasonic Examination of Similar and Dissimilar Metal Piping Welds	1974 Edition	1980 Edition with the Winter 1981 Addenda
N-343	Alternative Scope of Examination of Attachment Welds for Examination Categories B-H, B-K-1, and C-C	1974 Edition	1980 Edition with the Winter 1981 Addenda
N-355	Calibration Block for Angle Beam Ultrasonic Examination of Large Fittings in Accordance With Appendix III-3410 [Note (3)]	1974 Edition with the Winter 1975 Addenda	1983 Edition
N-356	Certification Period for Level III NDE Personnel	1977 Edition with the Winter 1977 Addenda	1983 Edition
N-375	Rules for Ultrasonic Examination of Bolts and Studs	1980 Edition	1980 Edition with the Winter 1981 Addenda
N-375-1	Rules for Ultrasonic Examination of Bolts and Studs	1980 Edition	1980 Edition with the Winter 1981 Addenda
N-375-2 N-389	Rules for Ultrasonic Examination of Bolts and Studs Alternative Rules for Repairs, Replacements, or Modifications	1971 Edition 1974 Edition with the	1983 Edition 1986 Edition with the 1987
N-389-1	Alternative Rules for Repairs, Replacements, or Modifications	Summer 1975 Addenda 1974 Edition with the	Addenda 1992 Edition with the 1993
N-390	Evaluation Criteria for Flaws Located in a Flange or Shell Region Near a Structural Discontinuity	Summer 1975 Addenda 1974 Edition with the Summer 1975 Addenda	Addenda 1983 Edition with the Summer 1983 Addenda

Code Case		Applicability	
No.	Title	From	Up to and Including
N-401	Eddy Current Examination	1974 Edition with the	1989 Edition with the 1989
N 404 4	PILO PER CONTRACTOR	Summer 1976 Addenda	Addenda
N-401-1	Eddy Current Examination	1974 Edition with the Summer 1974 Addenda	1989 Edition with the 1989 Addenda
N-402	Eddy Current Calibration Standard Material	1980 Edition with the Winter 1980 Addenda	
N-402-1	Eddy Current Calibration Standards	1980 Edition with the Winter 1980 Addenda	
N-406	Alternative Rules for Replacement	1977 Edition with the Summer 1978 Addenda	1986 Edition
N-408	Alternative Rules for Examination of Class 2 Piping	1974 Edition	1983 Edition
N-408-1	Alternative Rules for Examination of Class 2 Piping	1974 Edition	1983 Edition
N-408-2	Alternative Rules for Examination of Class 2 Piping	1974 Edition	1989 Edition
N-408-3	Alternative Rules for Examination of Class 2 Piping	1974 Edition	1989 Edition
N-409	Procedure and Personnel Qualification for Ultrasonic Detection and Sizing of Intergranular Stress Corrosion Cracking in Austenitic Piping Welds	1974 Edition	1986 Edition with the 1986 Addenda
N-409-1	Procedure and Personnel Qualification Requirements for Ultrasonic Detection and Sizing of Intergranular Stress Corrosion Cracking in Austenitic Piping Welds	1974 Edition	1986 Edition with the 1987 Addenda
N-409-2	Procedure and Personnel Qualification Requirements for Ultrasonic Detection and Sizing of Intergranular Stress Corrosion Cracking in Austenitic Piping Welds	1974 Edition	1989 Edition
N-409-3	Procedure and Personnel Qualification Requirements for Ultrasonic Detection and Sizing of Intergranular Stress Corrosion Cracking in Austenitic Piping Welds	1974 Edition	1989 Edition
N-415	Alternative Rules for Testing Pressure Relief Devices	1974 Edition	1983 Edition with the Winter 1984 Addenda
N-416	Alternative Rules for Hydrostatic Testing of Repair or Replacement of Class 2 Piping	1974 Edition	1989 Edition with the 1990 Addenda
N-416-1	Alternative Pressure Test Requirement for Welded Repairs or Installation of Replacement Items by Welding Class 1, 2, and 3	1974 Edition	1998 Edition
N-416-2	Alternative Pressure Test Requirement for Welded Repairs, Fabrication Welds for Replacement Parts and Piping Subassemblies, or Installation of Replacement Items by Welding, Class 1, 2, and 3	1977 Edition with the Summer 1978 Addenda	1998 Edition
N-416-3	Alternative Pressure Test Requirement for Welded or Brazed Repairs, Fabrication Welds or Brazed Joints for Replacement Parts and Piping Subassemblies, or Installation of Replacement Items by Welding or Brazing, Classes 1, 2, and 3	1977 Edition with the Summer 1978 Addenda	1998 Edition
N-416-4	Alternative Pressure Test Requirement for Welded or Brazed Repairs, Fabrication Welds or Brazed Joints for Replacement Parts and Piping Subassemblies, or Installation of Replacement Items by Welding or Brazing, Classes 1, 2, and 3		2001 Edition with the 2002 Addenda
N-419	Extent of VT-1 Examinations, Category B-G-1 of Table IWB-2500-1	1977 Edition with the Summer 1978 Addenda	1983 Edition with the Winter 1984 Addenda
N-424	Qualification of Visual Examination Personnel	1977 Edition with the Summer 1978 Addenda	1983 Edition
N-426	Extent of VT-1 Examinations, Category B-G-2 of Table IWB-2500-1	1977 Edition with the Summer 1978 Addenda	1983 Edition with the Winter 1984 Addenda
N-427	Code Cases in Inspection Plans	1971 Edition	1986 Edition
N-429	Alternate Rules for Ultrasonic Instrument Calibration	1980 Addenda	1983 Edition with the Winter 1983 Addenda
N-429-1	Alternative Rules for Ultrasonic Instrument Calibration	1980 Edition with the Winter 1980 Addenda	Addenda
N-432	Repair Welding Using Automatic or Machine Gas Tungsten-Arc Welding (GTAW) Temper Bead Technique	Summer 1973 Addenda	1989 Edition with the 1990 Addenda
N-432-1	Repair Welding Using Automatic or Machine Gas Tungsten-Arc Welding (GTAW) Temper Bead Technique	Summer 1973 Addenda	2019 Edition
N-435	Alternative Examination Requirements for Vessels With Wall Thickness 2 in. or Less	1974 Edition with the Summer 1975 Addenda	1986 Edition

Code Case		Applicability	
No.	Title	From	Up to and Including
N-435-1	Alternative Examination Requirements for Vessels With Wall Thickness 2 in. or Less	1974 Edition with the Summer 1975 Addenda	1995 Edition
N-436	Alternative Methods for Evaluation of Flaws in Austenitic Piping		1986 Edition
N-436-1	Alternative Methods for Evaluation of Flaws in Austenitic Piping	1983 Edition	1986 Edition
N-437	Use of Digital Readout and Digital Measurement Devices for Performing Pressure Tests	1974 Edition	1986 Edition
N-444	Preparation of Inspection Plans	1974 Edition with the Summer 1975 Addenda	1986 Edition with the 1986 Addenda
N-445	Use of Later Edition of SNT-TC-1A for Qualification of Nondestructive Examination Personnel	1977 Edition with the Summer 1978 Addenda	1986 Edition
N-446	Recertification of Visual Examination Personnel	1977 Edition with the Summer 1978 Addenda	1986 Edition
N-448	Qualification of VT-2 and VT-3 Visual Examination Personnel	1977 Edition with the Summer 1978 Addenda	1986 Edition with the 1987 Addenda
N-449	Qualification of VT-4 Visual Examination Personnel	1977 Edition with the Summer 1978 Addenda	1983 Edition with the Winter 1983 Addenda
N-457	Qualification Specimen Notch Location for Ultrasonic Examination of Bolts and Studs	1983 Edition with the Winter 1983 Addenda	1992 Edition with the 1993 Addenda
N-458	Magnetic Particle Examination of Coated Materials	1980 Edition with the Winter 1981 Addenda	1995 Edition
N-458-1	Magnetic Particle Examination of Coated Materials	1980 Edition with the Winter 1981 Addenda	1995 Edition
N-460	Alternative Examination Coverage for Class 1 and Class 2 Welds	1974 Edition	2007 Edition
N-461	Alternative Rules for Piping Calibration Block Thickness	1974 Edition with the Summer 1975 Addenda	1995 Edition
N-461-1	Alternative Rules for Piping Calibration Block Thickness	1974 Edition with the Summer 1975 Addenda	1995 Edition
N-463	Evaluation Procedures and Acceptance Criteria for Flaws in Class 1 Ferritic Piping That Exceed the Acceptance Standards of IWB-3514.2	1983 Edition with the Winter 1983 Addenda	1989 Edition with the 1989 Addenda
N-463-1	Evaluation Procedures and Acceptance Criteria for Flaws in Class 1 Ferritic Piping That Exceed the Acceptance Standards of IWB-3514.2	1983 Edition with the Winter 1983 Addenda	1989 Edition with the 1989 Addenda
N-465	Alternative Rules for Pump Testing	1974 Edition with the Winter 1975 Addenda	1986 Edition with the 1987 Addenda
N-465-1	Alternative Rules for Pump Testing	1974 Edition with the 1975 Addenda	1995 Edition with the 1995 Addenda
N-471	Acoustic Emissions for Successive Inspections	1974 Edition	1998 Edition with the 1999 Addenda
N-472	Use of Digital Readout and Digital Measurement Devices for Performing Pump Vibration Testing	1974 Edition	1986 Edition with the 1987 Addenda
N-473	Alternate Rules for Valve Testing	1974 Edition with the Summer 1975 Addenda	1986 Edition with the 1987 Addenda
N-473-1	Alternative Rules for Valve Testing	1974 Edition with the 1975 Addenda	1995 Edition with the 1995 Addenda
N-478	Inservice Inspection for Class CC Concrete Components of Light-Water Cooled Power Plants	1974 Edition	1986 Edition with the 1987 Addenda
N-479	Boiling Water Reactor (BWR) Main Steam Hydrostatic Test	1977 Edition with the Winter 1977 Addenda	1989 Edition with the 1989 Addenda
N-479-1	Boiling Water Reactor (BWR) Main Steam Hydrostatic Test	1977 Edition with the Winter 1977 Addenda	1989 Edition with the 1990 Addenda
N-480	Examination Requirements for Pipe Wall Thinning Due to Single Phase Erosion and Corrosion	1974 Edition	1992 Edition with the 1993 Addenda
N-481	Alternative Examination Requirements for Cast Austenitic Pump Casings	1977 Edition with the Summer 1978 Addenda	1998 Edition with the 1999 Addenda
N-485	Eddy Current Examination of Coated Ferritic Surfaces as an Alternative to Surface Examination	1980 Edition with the Winter 1981 Addenda	
N-485-1	Eddy Current Examination of Coated Ferritic Surfaces as an Alternative to Surface Examination	1980 Edition with the Winter 1981 Addenda	
N-486	Inservice Inspection, Repair, and Replacement Requirements for Class MC and Metallic Liners of Class CC Components	1974 Edition	1989 Edition

Code Case		Applicability		
No.	Title	From	Up to and Including	
N-489	Alternative Rules for Level III NDE Qualification Examinations	1974 Edition with the Summer 1975 Addenda	1989 Edition with the 1989 Addenda	
N-490	Alternative Vision Test Requirements for Nondestructive Examiners	1974 Edition with the Summer 1975 Addenda	1989 Edition with the 1990 Addenda	
I-490-1	Alternative Vision Test Requirements for Nondestructive Examiners	1974 Edition with the Summer 1975 Addenda	1989 Edition with the 1990 Addenda	
I-491	Alternative Rules for Examination of Class 1, 2, 3, and MC Component Supports of Light-Water Cooled Power Plants	1977 Edition with the Summer 1978 Addenda	1989 Edition with the 1989 Addenda	
I-491-1	Alternative Rules for Examination of Class 1, 2, 3, and MC Component Supports of Light-Water Cooled Power Plants	1977 Edition with the Summer 1978 Addenda	1989 Edition with the 1989 Addenda	
I-491-2	Alternative Rules for Examination of Class 1, 2, 3, and MC Component Supports of Light-Water Cooled Power Plants	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1996 Addenda	
-494	Pipe Specific Evaluation Procedures and Acceptance Criteria for Flaws in Class 1 Ferritic Piping that Exceed the Acceptance Standards of IWB-3514.2	1974 Edition with the Winter 1975 Addenda	1995 Edition	
I-494-1	Pipe Specific Evaluation Procedures and Acceptance Criteria for Flaws in Class 1 Ferritic Piping that Exceed the Acceptance Standards of IWB-3514.2	1974 Edition with the Winter 1975 Addenda	1995 Edition	
1-494-2	Pipe Specific Evaluation Procedures and Acceptance Criteria for Flaws in Class 1 Ferritic Piping that Exceed the Acceptance Standards of IWB-3514.2	1974 Edition with the Winter 1975 Addenda	1995 Edition	
I-494-3	Pipe Specific Evaluation Procedures and Acceptance Criteria for Flaws in Class 1 Ferritic Piping that Exceed the Acceptance Standards of IWB-3514.2 and in Class 1 Austenitic Piping that Exceed the Acceptance Standards of IWB-3514.3	1974 Edition with the Winter 1975 Addenda	1995 Edition	
-494-4	Pipe Specific Evaluation Procedures and Acceptance Criteria for Flaws in Piping that Exceed the Acceptance Standards	1983 Edition	2001 Edition	
-495	Hydrostatic Testing of Relief Valves	1977 Edition	1989 Edition with the 1990 Addenda	
-496	Helical-Coil Threaded Inserts	1977 Edition with the Summer 1978 Addenda	1989 Edition with the 1990 Addenda	
-496-1	Helical-Coil Threaded Inserts	1977 Edition with the Summer 1978 Addenda	1995 Edition	
-496-2	Helical-Coil Threaded Inserts	1977 Edition with the Summer 1978 Addenda	1998 Edition	
-498	Alternative Rules for 10-Year Hydrostatic Pressure Testing for Class 1 and 2 Systems $ \\$	Summer 1975 Addenda	1992 Edition with the 1992 Addenda	
-498-1	Alternative Rules for 10-Year System Hydrostatic Testing for Class 1, 2, and 3 Systems	1974 Edition with the Summer 1975 Addenda	1998 Edition with the 2000 Addenda	
-498-2	Alternative Requirements for 10-Year System Hydrostatic Testing for Class 1, 2 and 3 Systems	1974 Edition with the Summer 1975 Addenda	1998 Edition with the 2000 Addenda	
-498-3	Alternative Requirements for 10-Year System Hydrostatic Testing for Class 1, 2 and 3 Systems	1974 Edition with the Summer 1975	1998 Edition with the 2000 Addenda	
-498-4	Alternative Requirements for 10-Year System Hydrostatic Testing for Class 1, 2 and 3 Systems Limited Cartification of Nondestruction Formulation Personnel	1974 Edition with the Summer 1975	1998 Edition with the 2000 Addenda	
-503	Limited Certification of Nondestructive Examination Personnel	Summer 1978 Addenda 1977 Edition with the	1992 Edition	
-504	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping Alternative Rules for Repair of Class 1, 2, and 3 Austenitic	Summer 1978 Addenda 1977 Edition with the	1986 Edition with the 1987 Addenda	
-504-1 -504-2	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping Alternative Rules for Repair of Class 1, 2, and 3 Austenitic	Summer 1978 Addenda 1977 Edition with the	1995 Edition 1995 Edition with the 1995	
	Stainless Steel Piping	Summer 1978 Addenda 1977 Edition with the	Addenda 2004 Edition	
504-3	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping Alternative Rules for Repair of Class 1, 2, and 3 Austenitic	Summer 1978 Addenda		
1-504-4	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping Potentian of Somiced Stubbers and Procesure Relief Values for	1977 Edition with the Summer 1978 Addenda	2004 Edition with the 2006 Addenda	
I-508	Rotation of Serviced Snubbers and Pressure Relief Valves for the Purpose of Testing	1977 Edition	1989 Edition with the 1990 Addenda	
I-508-1	Rotation of Serviced Snubbers and Pressure Relief Valves for the Purpose of Testing	1977 Edition	1995 Edition with the 1995 Addenda	

Code Case		Applicability	
No.	Title	From	Up to and Including
N-508-2	Rotation of Serviced Snubbers and Pressure Relief Valves for the Purpose of Testing	1977 Edition	1998 Edition with the 2000 Addenda
N-508-3	Rotation of Serviced Snubbers and Pressure Relief Valves for the Purpose of Testing	1977 Edition with the Winter 1978 Addenda	2001 Edition with the 2003 Addenda
N-508-4	Rotation of Snubbers and Pressure Retaining Items for the Purpose of Testing or Preventive Maintenance	1989 Edition	2007 Edition with the 2008 Addenda
N-509	Alternative Rules for the Selection and Examination of Classes 1, 2, and 3 Integrally Welded Attachments	1977 Edition with the Summer 1978 Addenda	1995 Edition
N-512	Assessment of Reactor Vessels with Low Upper Shelf Charpy Impact Energy Levels	1986 Edition with the 1987 Addenda	1992 Edition with the 1992 Addenda
N-512-1	Assessment of Reactor Vessels with Low Upper Shelf Charpy Impact Energy Levels	1986 Edition with the 1987 Addenda	1995 Edition
N-513	Evaluation Criteria for Temporary Acceptance of Flaws in Class 3 Piping	1977 Edition with the Summer 1978 Addenda	2001 Edition
N-513-1	Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping	1977 Edition with the Summer 1978 Addenda	2001 Edition
N-513-2	Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping	1977 Edition with the Summer 1978 Addenda	2001 Edition with the 2003 Addenda
N-513-3	Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping	1983 Edition with the Winter 1985 Addenda	2007 Edition with the 2008 Addenda
N-513-4	Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping	1995 Edition with the 1996 Addenda	2019 Edition
N-513-5	Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping and Gate Valves	1995 Edition with the 1996 Addenda	2019 Edition
N-514	Low Temperature Overpressure Protection	1986 Edition with the 1987 Addenda	1992 Edition with the 1992 Addenda
N-515	Class 1 Mechanical Joint- Pressure Tests	1980 Edition with the Winter 1980 Addenda	1989 Edition with the 1990 Addenda
N-516	Underwater Welding	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1995 Addenda
N-516-1	Underwater Welding	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1995 Addenda
N-516-2	Underwater Welding	1974 Edition with the Summer 1978 Addenda	1995 Edition with the 1996 Addenda
N-516-3	Underwater Welding	1977 Edition with the Summer 1978 Addenda	2013 Edition
N-516-4	Underwater Welding	1995 Edition with the 1996 Addenda	2013 Edition
N-516-5	Underwater Welding	1995 Edition with the 1996 Addenda	2015 Edition
N-517	Quality Assurance Program Requirements for Owners	1977 Edition with the Summer 1978 Addenda	1995 Edition
N-517-1	Quality Assurance Program Requirements for Owners	1977 Edition with the Summer 1978 Addenda	2004 Edition with the 2006 Addenda
N-521	Alternative Rules for Deferral of Inspections of Nozzle- to-Vessel Welds, Inside Radius Sections and Nozzle- to-Safe	1977 Edition	1995 Edition
N-522	End Welds of Pressurized Water Reactor (PWR) Vessel Pressure Testing of Containment Penetration Piping	1974 Edition	1995 Edition with the 1996 Addenda
N-523	Mechanical Clamping Devices for Class 2 and 3 Piping	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1996 Addenda
N-523-1	Mechanical Clamping Devices for Class 2 and 3 Piping	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1996 Addenda
N-523-2	Mechanical Clamping Devices for Class 2 and 3 Piping	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1996 Addenda
N-524	Alternative Examination Requirements for Longitudinal Welds in Class 1 and 2 Piping		1995 Edition
N-526	Alternative Requirements for Successive Inspections of Class 1 and 2 Vessels		2010 Edition with the 2011 Addenda
N-528-1	Purchase, Exchange, or Transfer of Material Between Nuclear Plant Sites	1977 Edition with the Summer 1978 Addenda	2004 Edition with the 2005 Addenda

Code Case		Applicability	
No.	Title	From	Up to and Including
N-532	Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000	1974 Edition with the Summer 1975 Addenda	1998 Edition with the 2000 Addenda
N-532-1	Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission	1981 Edition with the Winter 1983 Addenda	1998 Edition with the 2000 Addenda
N-532-2	Alternative Requirements to Repair/Replacement Activity Documentation Requirements and Inservice Summary Report Preparation and Submission	1981 Edition with the Winter 1983 Addenda	2001 Edition with the 2002 Addenda
N-532-3	Alternative Requirements to Repair/Replacement Activity Documentation Requirements and Inservice Summary Report Preparation and Submission	1981 Edition with the Winter 1983 Addenda	2001 Edition with the 2003 Addenda
N-532-4	Repair/Replacement Activity Documentation Requirements and Inservice Summary Report Preparation and Submission	1983 Edition with the Winter 1983 Addenda	2013 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (b)]
N-532-5	Repair/Replacement Activity Documentation Requirements and Inservice Inspection Summary Report Preparation and Submission	1995 Edition with the 1996 Addenda	2013 Edition
N-533	Alternative Requirements for VT-2 Visual Examination of Class 1 Insulated Pressure-Retaining Bolted Connections	1986 Edition	1998 Edition with the 2000 Addenda
N-533-1	Alternative Requirements for VT-2 Visual Examination of Class 1, 2, and 3 Insulated Pressure Retaining Bolted Connections	1989 Edition	1998 Edition with the 2000 Addenda
N-534	Alternative Requirements for Pneumatic Pressure Testing	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1997 Addenda
N-535	Alternative Requirements for Inservice Inspection Intervals	1977 Edition	1995 Edition with the 1995 Addenda
N-537	Location of Ultrasonic Depth-Sizing Flaws	1989 Edition with the 1989 Addenda	2001 Edition
N-538	Alternative Requirements for Length Sizing Performance Demonstrations in Accordance with Appendix VIII, Supplements 2, 3, 10, 11, and 12	1989 Edition with the 1989 Addenda	1995 Edition with the 1995 Addenda
N-541	Alternative Requirements for Performance Demonstration in Accordance with Appendix VIII, Supplements 4 and 6	1992 Edition with the 1993 Addenda	1995 Edition
N-542	Alternative Requirements for Nozzle Inside Radius Section Length Sizing Performance Demonstration	1989 Edition with the 1989 Addenda	1995 Edition
N-543	Alternative to Performing Periodic Calibration Checks	1977 Edition with the Summer 1978 Addenda	1989 Edition
N-544	Repair/Replacement of Small Items	1977 Edition with the Summer 1978 Addenda	1995 Edition
N-545	Alternative Requirements for Conduct of Performance Demonstration Detection Test of Reactor Vessel	1989 Edition	2004 Edition
N-546	Alternative Requirements for Qualification of VT-2 Examination Personnel		1995 Edition with the 1997 Addenda
N-547	Alternative Examination Requirements for Pressure Retaining Bolting of Control Rod Drive (CRD) Housings	1980 Edition with the Winter 1980 Addenda	
N-552	Alternative Methods — Qualification for Nozzle Inside Radius Section from the Outside Surface	1989 Edition with the 1989 Addenda	2004 Edition
N-552-1	Alternative Methods — Qualification for Nozzle Inside Radius Section from the Outside Surface	2004 Edition	2010 Edition with the 2011 Addenda
N-553	Inservice Eddy Current Surface Examination of Pressure Retaining Pipe Welds and Nozzle-to-Safe End Welds	1977 Edition	1995 Edition with the 1996 Addenda
N-553-1	Eddy Current Surface Examination	1977 Edition	1995 Edition with the 1996 Addenda
N-554	Alternative Requirements for Reconciliation of Replacement Items	1977 Edition	1995 Edition with the 1995 Addenda
N-554-1	Alternative Requirements for Reconciliation of Replacement Items	1977 Edition	1995 Edition with the 1996 Addenda
N-554-2	Alternative Requirements for Reconciliation of Replacement Items and Addition of New Systems	1977 Edition	1998 Edition
N-554-3	Alternative Requirements for Reconciliation of Replacement Items and Addition of New Systems	1977 Edition	2001 Edition with the 2002 Addenda

Code Case		Applicability	
No.	Title	From	Up to and Including
N-555	Use of Section II, V, and IX Code Cases	1977 Edition with the Summer 1978 Addenda	2001 Edition
N-556	Alternative Requirements for Verification of Acceptability of Replacements	1977 Edition	1992 Edition with the 1993 Addenda
N-557	In-Place Dry Annealing of a PWR Nuclear Reactor Vessel	1974 Edition with the Summer 1975 Addenda	1995 Edition
N-557-1	In-Place Dry Annealing of a PWR Nuclear Reactor Vessel	1974 Edition with the Summer 1975 Addenda	1995 Edition
N-560	Alternative Examination Requirements for Class 1, Category B-J Piping Welds	1974 Edition	2004 Edition
N-560-1	Alternative Examination Requirements for Class 1, Category B-J Piping Welds	1974 Edition	2004 Edition
N-560-2	Alternative Examination Requirements for Class 1, Category B-J Piping Welds	1977 Edition	2004 Edition
N-561	Alternative Requirements for Wall Thickness Restoration of Class 2 and High Energy Class 3 Carbon Steel Piping	1977 Edition	2004 Edition
N-561-1	Alternative Requirements for Wall Thickness Restoration of Class 2 and High Energy Class 3 Carbon Steel Piping	1977 Edition	2004 Edition with the 2005 Addenda
N-561-2	Alternative Requirements for Wall Thickness Restoration of Class 2 and High Energy Class 3 Carbon Steel Piping	1977 Edition	2015 Edition
N-561-3	Alternative Requirements for Wall Thickness Restoration of Class 2 and High Energy Class 3 Carbon Steel Piping	1977 Edition	2019 Edition
N-561-4	Alternative Requirements for Wall Thickness Restoration of Class 2 and High Energy Class 3 Carbon Steel Piping	1977 Edition	2019 Edition
N-562	Alternative Requirements for Wall Thickness Restoration of Class 3 Moderate-Energy Carbon Steel Piping	1977 Edition	2004 Edition
N-562-1	Alternative Requirements for Wall Thickness Restoration of Class 3 Moderate-Energy Carbon Steel Piping	1977 Edition	2004 Edition with the 2005 Addenda
N-562-2	Alternative Requirements for Wall Thickness Restoration of Class 3 Moderate-Energy Carbon Steel Piping	1977 Edition	2015 Edition
N-562-3	Alternative Requirements for Wall Thickness Restoration of Class 3 Moderate-Energy Carbon Steel Piping	2013 Edition	2017 Edition
N-562-4	Alternative Requirements for Wall Thickness Restoration of Class 3 Moderate-Energy Carbon Steel Piping	2013 Edition	2017 Edition
N-563	Grading of Examinations, IWA-2320	1986 Edition with the 1988 Addenda	1992 Edition
N-566	Corrective Action for Leakage Identified at Bolted Connections	1983 Edition with the Winter 1984 Addenda	2004 Edition
N-566-1	Corrective Action for Leakage Identified at Bolted Connections	1983 Edition with the Winter 1984 Addenda	2004 Edition
N-566-2	Corrective Action for Leakage Identified at Bolted Connections	1983 Edition with the Winter 1984 Addenda	2004 Edition with the 2006 Addenda
N-567	Alternative Requirements for Class 1, 2, and 3 Replacement Components	1977 Edition with the Summer 1978 Addenda	1998 Edition
N-567-1	Reconciliation Requirements for Class 1, 2, and 3 Replacement Components	1977 Edition with the Summer 1978 Addenda	1998 Edition
N-568	Alternative Examination Requirements for Welded Attachments	1974 Edition with the Summer 1975 Addenda	1989 Edition with the 1990 Addenda
N-569	Alternative Rules for Repair by Electrochemical Deposition of Class 1 and 2 Steam Generator Tubing	1977 Edition with the Summer 1978 Addenda	2004 Edition
N-569-1	Alternative Rules for Repair by Electrochemical Deposition of Class 1 and 2 Steam Generator Tubing	1977 Edition with the Summer 1978 Addenda	2019 Edition
N-573	Transfer of Procedure Qualification Records Between Owners	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1996 Addenda
N-574	NDE Personnel Recertification Frequency	1974 Edition with the Summer 1975 Addenda	1995 Edition with the 1996 Addenda
N-575	Alternative Examination Requirements for Full Penetration Nozzle-to-Vessel Welds in Reactor Vessels with Set-On Type Nozzles	1989 Edition	2019 Edition
N-576	Repair of Class 1 and 2 SB-163, UNS N06600 Steam Generator Tubing $ \\$	1977 Edition with the Summer 1978 Addenda	1998 Edition with the 2000 Addenda

Code Case		Applicability			
No.	Title	From	Up to and Including		
N-576-1	Repair of Classes 1 and 2 SB-163, UNS N06600 Steam Generator Tubing	1977 Edition with the Summer 1978 Addenda	2015 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (d)]		
N-576-2	Repair of Classes 1 and 2 SB-163, UNS N06600 Steam Generator Tubing	1995 Edition with the 1996 Addenda	2019 Edition		
N-577	Risk-Informed Requirements for Class 1, 2, and 3 Piping, Method A	1977 Edition	2004 Edition		
N-577-1	Risk-Informed Requirements for Class 1, 2, or 3 Piping, Method A	1977 Edition	2004 Edition		
N-578	Risk-Informed Requirements for Class 1, 2, and 3 Piping, Method B	1977 Edition	2004 Edition		
N-578-1	Risk-Informed Requirements for Class 1, 2, or 3 Piping, Method B	1977 Edition	2004 Edition		
N-583	Annual Training Alternative	1986 Edition with the 1988 Addenda	1998 Edition		
N-586	Alternative Additional Examination Requirements for Class 1, 2, and 3 Piping, Components, and Supports	1977 Edition with the Summer 1978 Addenda	2004 Edition		
N-586-1	Alternative Additional Examination Requirements for Class 1, 2, and 3 Piping, Components, and Supports	1977 Edition with the Summer 1978 Addenda	2007 Edition with the 2008 Addenda		
N-587	Alternative NDE Requirements for Repair/Replacement Activities	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1997 Addenda		
N-588	Alternative to Reference Flaw Orientation of Appendix G for Circumferential Welds in Reactor Vessels	1986 Edition with the 1987 Addenda	1995 Edition with the 1997 Addenda		
N-589	Class 3 Nonmetallic Cured-In-Place Piping	1977 Edition with the Summer 1978 Addenda	2004 Edition		
N-589-1	Class 3 Nonmetallic Cured-In-Place Piping	1977 Edition with the Summer 1978 Addenda	2019 Edition		
N-590	Alternative to the Requirements of Subsection IWE, Requirements for Class MC and Metallic Liners of Class CC Components of Light-Water Cooled Plants	1992 Edition	1995 Edition with the 1997 Addenda		
N-591	Alternative to the Requirements of Subsection IWL, Requirements for Class CC Concrete Components of Light-Water Cooled Plants	1992 Edition	1995 Edition with the 1996 Addenda		
N-592	ASNT Central Certification Program	1974 Edition	1998 Edition		
N-593	Alternative Examination Requirements for Steam Generator Nozzle-to-Vessel Welds	1974 Edition	2004 Edition		
N-593-1	Examination Requirements for Steam Generator Nozzle- to-Vessel Welds	1974 Edition	2015 Edition		
N-593-2	Examination Requirements for Steam Generator Nozzle- to-Vessel Welds	1974 Edition	2019 Edition		
N-597	Requirements for Analytical Evaluation of Pipe Wall Thinning	1974 Edition	2004 Edition		
N-597-1	Requirements for Analytical Evaluation of Pipe Wall Thinning	1974 Edition	2004 Edition		
N-597-2		1974 Edition	2017 Edition		
N-597-3	Evaluation of Pipe Wall Thinning	1974 Edition	2019 Edition		
N-597-4	Evaluation of Pipe Wall Thinning	1974 Edition	2019 Edition		
N-597-5 N-598	Evolution of Pipe Wall Thinning Alternative Requirements to Required Percentages of Examinations	1974 Edition 1977 Edition	2019 Edition 1995 Edition with the 1997 Addenda		
N-599	Alternatives to Qualification of Nondestructive Examination Personnel for Inservice Inspection of Metal (Class MC) and Concrete (Class CC) Containments	1992 Edition with the 1992 Addenda	1995 Edition with the 1997 Addenda		
N-600	Transfer of Welder, Welding Operator, Brazer, and Brazing Operator Qualifications Between Owners	1977 Edition with the Summer 1978 Addenda	2010 Edition with the 2011 Addenda		
N-601	Extent and Frequency of VT-3 Visual Examination for Inservice Inspection of Metal Containments		1995 Edition with the 1997 Addenda		
N-603	Alternative to the Requirements of IWL-2421, Sites With Two Plants	1989 Edition with the 1991 Addenda	1995 Edition with the 1996 Addenda		
N-604	Alternative to Bolt Torque or Tension Test Requirements of Table IWE-2500-1, Category E-G, Item E8.20	1989 Edition	1995 Edition with the 1997 Addenda		
N-605	Alternative to the Requirements of IWE-2500(c) for Augmented Examination of Surface Areas	1989 Edition	1995 Edition with the 1997 Addenda		

Code Case		Applicability			
No.	Title	From	Up to and Including		
N-606	Similar and Dissimilar Metal Welding Using Ambient	1977 Edition with the	2004 Edition		
N 606 1	Temperature Machine GTAW Temper Bead Technique	Summer 1978 Addenda 1977 Edition with the	2017 Edition		
N-606-1	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique for BWR CRD Housing/Stub Tube Repairs	Summer 1978 Addenda	2017 Edition		
N-606-2	Similar and Dissimilar Metal Welding Using Ambient	1977 Edition with the	2019 Edition		
	Temperature Machine GTAW Temper Bead Technique for BWR CRD Housing/Stub Tube Repairs	Summer 1978 Addenda			
N-609	Alternative Requirements to Stress-Based Selection Criteria for Category B-J Welds	1977 Edition	2004 Edition with the 2005 Addenda		
N-609-1	Alternative Requirements to Stress-Based Selection Criteria for Category B-J Welds	1977 Edition	2019 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (h)]		
N-613	Ultrasonic Examination of Full Penetration Nozzles in Vessels, Examination Category B-D, Item No's. B3.10 and B3.90, Reactor Vessel-to-Nozzle Welds, Figures IWB-2500-7(a), (b), and (c)	1989 Edition with the 1989 Addenda	2007 Edition with the 2008 Addenda		
N-613-1	Ultrasonic Examination of Full Penetration Nozzles in Vessels, Examination Category B-D, Item No's. B3.10 and B3.90, Reactor Nozzle-to-Vessel Welds, Figures IWB-2500-7(a), (b), and (c)	1989 Edition with the 1989 Addenda	2007 Edition with the 2008 Addenda		
N-613-2	Ultrasonic Examination of Full Penetration Nozzles in Vessels, Examination Category B-D, Reactor Nozzle- to-Vessel Welds and Nozzle Inside Radius Section, Figures IWB-2500-7(a), (b), (c), and (d)	1989 Edition	2019 Edition		
N-615	Ultrasonic Examination as a Surface Examination Method for Category B-F and B-J Piping Welds	1977 Edition with the Summer 1978 Addenda	1998 Edition with the 2000 Addenda		
N-617	Alternative Examination Distribution Requirements for Table IWC-2500-1 Examination Category C-G, Pressure Retaining Welds in Pumps and Valves	1977 Edition with the Summer 1978 Addenda	1998 Edition with the 1999 Addenda		
N-618	Use of a Reactor Pressure Vessel as a Transportation Containment System	1983 Edition	2019 Edition		
N-619	Alternative Requirements for Nozzle Inner Radius Inspections for Class 1 Pressurizer and Steam Generator Nozzles	1977 Edition with the Summer 1978 Addenda	1998 Edition		
N-622	Ultrasonic Examination of RPV and Piping, Bolts, and Studs	1989 Edition with the 1989 Addenda	2001 Edition		
N-623	Deferral of Inspections of Shell-to-Flange and Head-to- Flange Welds of a Reactor Vessel	1977 Edition with the Summer 1978 Addenda	1998 Edition		
N-624	Successive Inspections	1977 Edition with the Summer 1978 Addenda	2007 Edition		
N-627	VT-1 Visual Examination in Lieu of Surface Examination for RPV Closure Nuts	1977 Edition with the 1978 Addenda	1989 Edition		
N-630	Alternatives to VT-1C and VT-3C Visual Examination for Inservice Inspection of Concrete and VT-1 Visual Examination for Inservice Inspection of Anchorage Hardware and Surrounding Concrete for Concrete Containments	1992 Edition with the 1992 Addenda	1995 Edition with the 1996 Addenda		
N-638	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1977 Edition with the Summer 1978 Addenda	2004 Edition		
N-638-1	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1977 Edition with the Summer 1978 Addenda	2007 Edition with the 2008 Addenda		
N-638-2	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2004 Edition		
N-638-3	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda			
N-638-4	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2010 Edition with the 2011 Addenda [see Guideline for Cross-Referencing Section XI, Table 1, General Note (c)]		
N-638-5	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2010 Edition with the 2011 Addenda [see Guideline for Cross-Referencing Section XI, Table 1, General Note (c)]		

Code Case		Applicability				
No.	Title	From	Up to and Including			
N-638-6	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2010 Edition with the 2011 Addenda [see Guideline for Cross-Referencing Section XI, Table 1, General Note (c)]			
N-638-7	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda				
N-638-8	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2019 Edition			
N-638-9	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2019 Edition			
N-638-10	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2019 Edition			
N-638-11	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981	2019 Edition			
N-639	Alternative Calibration Block Material	1986 Edition with the 1987 Addenda	2019 Edition			
N-640	Alternative Reference Fracture Toughness for Development of P-T Limit Curves	1986 Edition with the 1987 Addenda	1998 Edition			
N-641	Alternative Pressure-Temperature Relationship and Low Temperature Overpressure Protection System Requirements	1977 Edition with the Summer 1978 Addenda	2019 Edition			
N-643	Fatigue Crack Growth Rate Curves for Ferritic Steels in PWR Water Environment	1977 Edition with the Summer 1978 Addenda	2004 Edition			
N-643-1	Fatigue Crack Growth Rate Curves for Ferritic Steels in PWR Water Environment	1977 Edition with the Summer 1978 Addenda	2004 Edition			
N-643-2	Fatigue Crack Growth Rate Curves for Ferritic Steels in PWR Water Environment	1977 Edition with the Summer 1978 Addenda	2019 Edition			
N-647	Alternative to Augmented Examination Requirements of IWE-2500	1977 Edition with the Summer 1978 Addenda	1998 Edition with the 2000 Addenda			
N-648	Alternative Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles	1977 Edition with the Summer 1978 Addenda	2004 Edition			
N-648-1	Alternative Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles	1977 Edition with the Summer 1978 Addenda	2017 Edition			
N-648-2	Alternative Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles	1983 Edition with the Winter 1983 Addenda	2019 Edition			
N-649	Alternative Requirements for IWE-5240 Visual Examination	1989 Edition	1998 Edition with the 2000 Addenda			
N-651	Ferritic and Dissimilar Metal Welding Using SMAW Temper Bead Technique Without Removing the Weld Bead Crown of the First Layer	1977 Edition with the Summer 1978 Addenda	2017 Edition			
N-652	Alternative Requirements to Categories B-G-1, B-G-2, and C-D Bolting Examination Methods and Selection Criteria	1977 Edition	2001 Edition			
N-652-1	Alternative Requirements to Categories B-G-1, B-G-2, and C-D Bolting Examination Methods and Selection Criteria	1977 Edition	2001 Edition with the 2003 Addenda			
N-652-2	Alternative Requirements to Categories B-G-1, B-G-2, and C-D Bolting Examination Methods and Selection Criteria	1977 Edition	2010 Edition			
N-653	Qualification Requirements for Full Structural Overlaid Wrought Austenitic Piping Welds	1989 Edition with the 1989 Addenda	2004 Edition			
N-653-1	Qualification Requirements for Full Structural Overlaid Wrought Austenitic Piping Welds	1989 Edition with the 1989 Addenda	2019 Edition			
N-653-2	Qualification Requirements for Full Structural Overlaid Wrought Austenitic Piping Welds	1989 Edition with the 1989 Addenda	2019 Edition			
N-654	Acceptance Criteria for Flaws in Ferritic Steel Components 4 in. and Greater in Thickness	1974 Edition	2019 Edition			
N-658	Qualification Requirements for Ultrasonic Examination of Wrought Austenitic Piping Welds	1989 Edition with the 1989 Addenda	2001 Edition			
N-660	Risk-Informed Safety Classification for Use in Risk-Informed Repair/Replacement Activities	1980 Edition with the Winter 1981 Addenda	2019 Edition			
N-661	Alternative Requirements for Wall Thickness Restoration of Classes 2 and 3 Carbon Steel Piping for Raw Water Service	1977 Edition	2004 Edition with the 2005 Addenda			
N-661-1	Alternative Requirements for Wall Thickness Restoration of Classes 2 and 3 Carbon Steel Piping for Raw Water Service	1977 Edition	2004 Edition with the 2005 Addenda			

Code Case		Applicability			
No.	Title	From	Up to and Including		
N-661-2	Alternative Requirements for Wall Thickness Restoration of Classes 2 and 3 Carbon Steel Piping for Raw Water Service	1977 Edition	2015 Edition		
N-661-3	Alternative Requirements for Wall Thickness Restoration of Classes 2 and 3 Carbon Steel Piping for Raw Water Service	1977 Edition	2019 Edition		
N-661-4	Alternative Requirements for Wall Thickness Restoration of Classes 2 and 3 Carbon Steel Piping for Raw Water Service	2013 Edition	2019 Edition		
N-661-5	Alternative Requirements for Wall Thickness Restoration of Classes 2 and 3 Carbon Steel Piping for Raw Water Service	2013 Edition	2019 Edition		
N-662	Alternative Repair/Replacement Requirements for Items Classified in Accordance With Risk-Informed Processes	1980 Edition with the Winter 1981 Addenda	2001 Edition with the 2002 Addenda		
N-662-1	Alternative Repair/Replacement Requirements for Items Classified in Accordance With Risk-Informed Processes	1995 Edition with the 1996 Addenda	2007 Edition with the 2009 Addenda		
N-663	Alternative Requirements for Classes 1 and 2 Surface Examinations	1986 Edition	2010 Edition with the 2011 Addenda		
N-664	Performance Demonstration Requirements for Examination of Unclad Reactor Pressure Vessel Welds, Excluding Flange Welds	1989 Edition with the 1989 Addenda	2001 Edition with the 2002 Addenda		
N-665	Alternative Requirements for Angle Beam Measurements Using Refracted Longitudinal Wave Search Units	1983 Edition with the Winter 1985 Addenda	2001 Edition with the 2002 Addenda		
N-666	Weld Overlay of Class 1, 2, and 3 Socket Welded Connections	1980 Edition with the Winter 1981 Addenda	2015 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (c)]		
N-666-1	Weld Overlay of Class 1, 2, and 3 Socket Welded Connections	1995 Edition with the 1996 Addenda	2019 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (c)]		
N-683	Method for Determining Maximum Allowable False Calls When Performing Single-Sided Access Performance Demonstration in Accordance With, Appendix VIII, Supplements 4 and 6	1989 Edition with the 1989 Addenda	2001 Edition with the 2002 Addenda		
N-685	Lighting Requirements for Surface Examination	1998 Edition	2001 Edition with the 2003 Addenda		
N-686	$\label{eq:linear_equirements} \mbox{Alternative Requirements for Visual Examinations, VT-1, VT-2,} \\ \mbox{and VT-3}$	1989 Edition with the 1990 Addenda	1998 Edition with the 2000 Addenda		
N-686-1	Alternative Requirements for Visual Examinations, VT-1, VT-2, and VT-3 $$	1989 Edition with the 1990 Addenda	2004 Edition		
N-691	Application of Risk-Informed Insights to Increase the Inspection Interval for Pressurized Water Reactor Vessels	1986 Edition	2004 Edition with the 2006 Addenda		
N-691-1	Application of Risk-Informed Insights to Increase the Inspection Interval for Pressurized Water Reactor Vessels	1989 Edition	2019 Edition		
N-694	Evaluation Procedure and Acceptance Criteria for PWR Reactor Vessel Upper Head Penetration Nozzles	1983 Edition	2001 Edition with the 2003 Addenda		
N-694-1	Evaluation Procedure and Acceptance Criteria for PWR Reactor Vessel Head Penetration Nozzles		2001 Edition with the 2003 Addenda		
N-694-2	Evaluation Procedure and Acceptance Criteria for PWR Reactor Vessel Head Penetration Nozzles	1983 Edition	2001 Edition with the 2003 Addenda		
N-695	Qualification Requirements for Dissimilar Metal Piping Welds	1989 Edition with the 1989 Addenda	2001 Edition with the 2003 Addenda		
N-695-1 N-696	Qualification Requirements for Dissimilar Metal Piping Welds Qualification Requirements for Appendix VIII Piping	2001 Edition 1989 Edition with the 1989	2013 Edition 2001 Edition with the 2003		
N-696-1	Examinations Conducted From the Inside Surface Qualification Requirements for Mandatory Appendix VIII Piping	Addenda 2001 Edition	Addenda 2019 Edition		
N-697	Examinations Conducted From the Inside Surface Pressurized Water Reactor (PWR) Examination and Alternative	1977 Edition	2001 Edition with the 2003		
	Examination Requirements for Pressure Retaining Welds in Control Rod Drive and Instrument Nozzle Housings		Addenda		
N-700	Alternative Rules for Selection of Classes 1, 2, and 3 Vessel Welded Attachments for Examination	1995 Edition with the 1996 Addenda	2001 Edition with the 2003 Addenda		
N-702	Alternative Requirements for Boiling Water Reactor (BWR) Nozzle Inner Radius and Nozzle-to-Shell Welds	1986 Edition	2015 Edition		
N-702-1	Alternative Requirements for Boiling Water Reactor (BWR) Nozzle Inner Radius and Nozzle-to-Shell Welds	1986 Edition	2017 Edition		
N-705	Evaluation Criteria for Temporary Acceptance of Degradation in Moderate Energy Class 2 or 3 Vessels and Tanks	1983 Edition with the Winter 1985 Addenda	2010 Edition with the 2011 Addenda		

Code Case		Applicability				
No.	Title	From Up to and Including				
N-705-1	Evaluation Criteria for Temporary Acceptance of Degradation in		2019 Edition			
N 706	Moderate Energy Class 2 or 3 Vessels and Tanks	1985 Addenda	2004 Edition with the 2005			
N-706	Alternative Examination Requirements to Table IWB-2500-1 and Table IWC-2500-1 for PWR Stainless Steel Residual and	1977 Edition	2004 Edition with the 2005 Addenda			
	Regenerative Heat Exchangers		Audenda			
N-706-1	Alternative Examination Requirements to Table IWB-2500-1	1977 Edition	2010 Edition with the 2011			
	and Table IWC-2500-1 for PWR Stainless Steel Residual and		Addenda			
	Regenerative Heat Exchangers					
N-711	Alternative Examination Coverage Requirements for	1989 Edition	2017 Edition			
	Examination Category B-F, B-J, C-F-1, C-F-2, and R-A Piping Welds					
N-711-1	Alternative Examination Coverage Requirements for	1989 Edition	2019 Edition			
	Examination Category B-F, B-J, C-F-1, C-F-2, and R-A Piping					
	Welds					
N-711-2	Alternative Examination Coverage Requirements for	1989 Edition	2019 Edition			
	Examination Category B-F, B-J, C-F-1, C-F-2, and R-A Piping					
N-712	Welds Class 1 Socket Weld Examinations	1986 Edition	2010 Edition with the 2011			
N-/12	Class 1 Socket Weld Examinations	1900 EUIUUII	Addenda			
N-713	Ultrasonic Examination in Lieu of Radiography	1986 Edition	2019 Edition			
N-716	Alternative Piping Classification and Examination	1989 Edition	2004 Edition with the 2006			
	Requirements		Addenda			
N-716-1	Alternative Piping Classification and Examination	1995 Edition	2017 Edition			
N-716-2	Requirements Alternative Classification and Examination Requirements	1995 Edition	2019 Edition			
N-716-2 N-716-3	Alternative Classification and Examination Requirements	1995 Edition	2019 Edition			
N-722	Additional Examinations for PWR Pressure Retaining Welds in		2013 Edition			
	Class 1 Components Fabricated With Alloy 600/82/182					
	Materials					
N-722-1	Additional Examinations for PWR Pressure Retaining Welds in	1980 Edition	2019 Edition			
	Class 1 Components Fabricated With Alloy 600/82/182					
N-722-2	Materials Visual Examinations for PWR Pressure Retaining Welds in Class	1980 Edition	2019 Edition			
N-722-2	1 Components Fabricated With Alloy 600/82/182 Materials	1700 Edition	201) Edition			
N-729	Alternative Examination Requirements for PWR Reactor Vessel	1980 Edition	2004 Edition			
	Upper Heads With Nozzles Having Pressure-Retaining					
	Partial-Penetration Welds					
N-729-1	Alternative Examination Requirements for PWR Reactor Vessel	1980 Edition	2004 Edition			
	Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds					
N-729-2	Alternative Examination Requirements for PWR Reactor Vessel	1980 Edition	2004 Edition			
	Upper Heads With Nozzles Having Pressure-Retaining					
	Partial-Penetration Welds					
N-729-3	Alternative Examination Requirements for PWR Reactor Vessel	2004 Edition	2015 Edition			
	Upper Heads With Nozzles Having Pressure-Retaining					
N-729-4	Partial-Penetration Welds Alternative Examination Requirements for PWR Reactor Vessel	2004 Edition	2019 Edition			
1 /2 / 1	Upper Heads With Nozzles Having Pressure-Retaining	2001 Edition	2017 Edition			
	Partial-Penetration Welds					
N-729-5	Alternative Examination Requirements for PWR Reactor Vessel	2004 Edition	2019 Edition			
	Upper Heads With Nozzles Having Pressure-Retaining					
V 720 6	Partial-Penetration Welds	2004 Edition	2010 Edition			
N-729–6	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining	2004 EUIUOII	2019 Edition			
	Partial-Penetration Welds					
N-729-7	Alternative Examination Requirements for PWR Reactor Vessel	2004 Edition	2019 Edition			
	Upper Heads With Nozzles Having Pressure-Retaining					
	Partial-Penetration Welds					
N-729-8	Alternative Examination Requirements for PWR Reactor Vessel	2004 Edition	2019 Edition			
N-729-8	Partial-Penetration Welds	2004 Edition	2019 Edition			

Code Case		Applicability				
No.	Title	From Up to and Including				
N-730	Roll Expansion of Class 1 Control Rod Drive Bottom Head Penetrations in BWRs	1989 Edition	2015 Edition [see Guideline for Cross-Referencing Section XI Table 1, General Note (e)]			
N-730-1	Roll Expansion of Class 1 Control Rod Drive Bottom Head Penetrations in BWRs	1995 Edition with the 1996 Addenda	2019 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (e)]			
N-731 N-733	Alternative Class 1 System Leakage Test Pressure Requirements Mitigation of Flaws in NPS 2 (DN 50) and Smaller Nozzles and Nozzle Partial Penetration Welds in Vessels and Piping by Use of a Mechanical Connection Modification		2015 Edition 2019 Edition [see Guideline for Cross-Referencing Section XI,			
N-733-1	Mitigation of Flaws in NPS 3 (DN 80) and Smaller Nozzles and Nozzle Partial Penetration Welds in Vessels and Piping by Use	2001 Edition with the 2003 Addenda	Table 1, General Note (f)] 2019 Edition [see Guideline for Cross-Referencing Section XI,			
N-735	of a Mechanical Connection Modification Successive Inspections of Class 1 and 2 Piping Welds	1995 Edition with the 1996 Addenda	Table 1, General Note (f)] 2019 Edition			
N-739	Alternative Qualification Requirements for Personnel Performing Class CC Concrete and Post-tensioning System Visual Examinations	1992 Edition with the 1992 Addenda	2004 Edition with the 2006 Addenda			
N-739-1	Alternative Qualification Requirements for Personnel Performing Class CC Concrete and Post-tensioning System Visual Examinations	1992 Edition with the 1992 Addenda	2004 Edition with the 2006 Addenda			
N-740	Dissimilar Metal Weld Overlay for Repair of Class 1, 2, and 3 Items	1980 Edition with Winter 1981 Addenda	2004 Edition with the 2006 Addenda			
N-740-1	Dissimilar Metal Weld Overlay for Repair or Mitigation of Class 1, 2, and 3 Items $$	1980 Edition with Winter 1981 Addenda	2004 Edition with the 2006 Addenda			
N-740-2	Full Structural Dissimilar Metal Weld Overlay for Repair or Mitigation of Class 1, 2, and 3 Items	1986 Edition with the 1988 Addenda	2007 Edition with the 2008 Addenda			
N-747 N-749	Reactor Vessel Head-to-Flange Weld Examination Alternative Acceptance Criteria for Flaws in Ferritic Steel	1989 Edition 1998 Edition with the 2000	2015 Edition 2019 Edition			
11 / 15	Components Operating in the Upper Shelf Temperature Range	Addenda	2017 Builden			
N-751	Pressure Testing of Containment Penetration Piping	1989 Edition	2019 Edition			
N-752	Risk-Informed Categorization and Treatment for Repair/ Replacement Activities in Class 2 and 3 Systems	1995 Edition with the 1996 Addenda	2017 Edition			
N-752-1	Risk-Informed Categorization and Treatment for Repair/ Replacement Activities in Class 2 and 3 Systems	1995 Edition with the 1996 Addenda	2019 Edition			
N-753	Vision Tests	1986 Edition with the 1988 Addenda	2004 Edition with the 2006 Addenda			
N-754	Optimized Structural Dissimilar Metal Weld Overlay for Mitigation of PWR Class 1 Items	1986 Edition with the 1988 Addenda	2010 Edition			
N-754-1	Optimized Structural Dissimilar Metal Weld Overlay for Mitigation of PWR Class 1 Items	1995 Edition with the 1996 Addenda	2019 Edition			
N-754-2	Optimized Structural Dissimilar Metal Weld Overlay for Mitigation of PWR Class 1 Items	1995 Edition with the 1996 Addenda	2019 Edition			
N-755	Use of Polyethylene (PE) Plastic Pipe	1995 Edition with the 1995 Addenda	2015 Edition			
N-755-1	Use of Polyethylene (PE) Plastic Pipe	1995 Edition with the 1995 Addenda	2015 Edition			
N-762	Temper Bead Procedure Qualification Requirements for Repair/Replacement Activities Without Postweld Heat Treatment	1995 Edition with the 1995 Addenda	2010 Edition			
N-762-1	Temper Bead Procedure Qualification Requirements for Repair/ Replacement Activities Without Postweld Heat Treatment	1995 Edition with the 1995 Addenda	2010 Edition			
N-765	Alternative to Inspection Interval Scheduling Requirements of IWA-2430 $$	1989 Edition	2007 Edition with the 2008 Addenda			
N-766	Nickel Alloy Reactor Coolant Inlay and Onlay for Mitigation of PWR Full Penetration Circumferential Nickel Alloy Dissimilar Metal Welds in Class 1 Items	1986 Edition with the 1988 Addenda	2017 Edition			
N-766-1	Nickel Alloy Reactor Coolant Inlay and Onlay for Mitigation of PWR Full Penetration Circumferential Nickel Alloy Dissimilar Metal Welds in Class 1 Items	1995 Edition with the 1996 Addenda	2019 Edition			

Code Case		Applicability				
No.	Title	From	Up to and Including			
N-766-2	Nickel Alloy Reactor Coolant Inlay and Onlay for Mitigation of PWR Full Penetration Circumferential Nickel Alloy Dissimilar Metal Welds in Class 1 Items					
N-766-3	Nickel Alloy Reactor Coolant Inlay and Onlay for Mitigation of PWR Full Penetration Circumferential Nickel Alloy Dissimilar Metal Welds in Class 1 Items	1995 Edition with the 1996 Addenda	2019 Edition			
N-766-4	Nickel Alloy Reactor Coolant Inlay and Onlay for Mitigation of PWR Full Penetration Circumferential Nickel Alloy Dissimilar Metal Welds in Class 1 Items	1995 Edition with the 1996 Addenda	2019 Edition			
N-768	Alternative Volumetric Coverage Requirements for Ultrasonic Examination of Class 1 and 2 Pressure Vessel Weld Joints Greater Than 2 in. (50 mm) in Thickness	2001 Edition with the 2003 Addenda	2019 Edition			
N-769	Roll Expansion of Class 1 In-Core Housing Bottom Head Penetrations in BWRs	1989 Edition	2015 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (e)]			
N-769-1	Roll Expansion of Class 1 In-Core Housing Bottom Head Penetrations in BWRs	1989 Edition	2015 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (e)]			
N-769-2	Roll Expansion of Class 1 In-Core Housing Bottom Head Penetrations in BWRs	1995 Edition with the 1996 Addenda	2019 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (e)]			
N-770	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities	1989 Edition	2015 Edition			
N-770-1	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities	1989 Edition	2015 Edition			
N-770-2	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities	1989 Edition	2019 Edition			
N-770-3	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities	1989 Edition	2019 Edition			
N-770-4	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities	1989 Edition	2019 Edition			
N-770-5	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities	1989 Edition	2019 Edition			
N-770-6	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities	1989 Edition	2019 Edition			
N-770-7	Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities	1989 Edition	2019 Edition			

Code Case		Applicability				
No.	Title	From Up to and Including				
N-771	Alternative Requirements for Additional Examinations of Class 2 or 3 Items	1992 Edition	2019 Edition			
N-773	Alternative Qualification Criteria for Eddy Current Examinations of Piping Inside Surfaces	1995 Edition with the 1996 Addenda	2015 Edition			
N-775	Alternative Requirements for Bolting Affected by Borated Water Leakage	1989 Edition	2010 Edition with the 2011 Addenda			
N-776	Alternative to IWA-5244 Requirements for Buried Piping	1989 Edition	2010 Edition			
N-778	Alternative Requirements for Preparation and Submittal of Plans, Schedules, and Preservice and Inservice Inspection Summary Reports	1989 Edition	2007 Edition with the 2009 Addenda			
N-780	Alternative Requirements for Upgrade, Substitution, or Reconfiguration of Examination Equipment When Using Appendix VIII Qualified Ultrasonic Examination Systems	1989 Edition with the 1989 Addenda	2019 Edition			
N-784	Experience Credit for Ultrasonic Examiner Certification	1995 Edition	2010 Edition			
N-786	Alternative Requirements for Sleeve Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping	1995 Edition with the 1996 Addenda	2017 Edition			
N-786-1	Alternative Requirements for Sleeve Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping	1995 Edition with the 1996 Addenda	2019 Edition			
N-786-2	Alternative Requirements for Sleeve Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping	1995 Edition with the 1996 Addenda	2019 Edition			
N-786-3	Alternative Requirements for Sleeve Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping	1995 Edition with the 1996 Addenda	2019 Edition			
N-786-4	Alternative Requirements for Sleeve Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping	1995 Edition with the 1996 Addenda	2019 Edition			
N-788	Third Party NDE Certification Organizations	1995 Edition	2019 Edition			
N-788-1	Third Party NDE Certificate Organization	1995 Edition	2019 Edition			
N-789	Alternative Requirements for Pad Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping for Raw Water Service	1995 Edition with the 1996 Addenda	2017 Edition			
N-789-1	Alternative Requirements for Pad Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping for Raw Water Service	1995 Edition with the 1996 Addenda	2017 Edition			
N-789-2	Alternative Requirements for Pad Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping for Raw Water Service	1998 Edition	2019 Edition			
N-789-3	Alternative Requirements for Pad Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping for Raw Water Service	1998 Edition	2019 Edition			
N-789-4	Alternative Requirements for Pad Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping for Raw Water Service	1998 Edition	2019 Edition			
N-795	Alternative Requirements for BWR Class 1 System Leakage Test Pressure Following Repair/Replacement Activities	1998 Edition with the 1999 Addenda	2015 Edition			
N-798	Alternative Pressure Testing Requirements for Class 1 Piping Between the First and Second Vent, Drain, and Test Isolation Devices	1992 Edition with the 1993 Addenda	2015 Edition			
N-799	Dissimilar Metal Welds Joining Vessel Nozzles to Components	1995 Edition	2010 Edition			
N-800	Alternative Pressure Testing Requirements for Class 1 Piping Between the First and Second Injection Valves	1992 Edition with the 1993 Addenda	2015 Edition			
N-803	Similar and Dissimilar Metal Welding Using Ambient Temperature Automatic or Machine Dry Underwater Laser Beam Welding (ULBW) Temper Bead Technique	1980 Edition	2010 Edition			
N-805	Alternative to Class 1 Extended Boundary End of Interval or Class 2 System Leakage Testing of the Reactor Vessel Head Flange O-Ring Leak-Detection System	1992 Edition	2013 Edition			
N-806	Evaluation of Metal Loss in Class 2 and 3 Metallic Piping Buried in a Back-Filled Trench	1995 Edition	2019 Edition			
N-806-1	Analytical Evaluation of Metal Loss in Class 2 and 3 Metallic Piping Buried in a Back-Filled Trench	1995 Edition	2019 Edition			
N-809	Reference Fatigue Crack Growth Rate Curves for Austenitic Stainless Steels in Pressurized Water Reactor Environments	1989 Edition with the 1989 Addenda	2019 Edition			

Code Case		Applicability			
No.	Title	From	Up to and Including		
V-809-1	Reference Fatigue Crack Growth Rate Curves for Austenitic Stainless Steels in Pressurized Water Reactor Environments	1989 Edition with the 1989 Addenda	2021 Edition		
V-813	Alternative Requirements for Preservice Volumetric and Surface Examination	1989 Edition	2013 Edition		
I-813-1	Alternative Requirements for Preservice Volumetric and Surface Examination	1989 Edition	2013 Edition		
I-823	Visual Examination	2001 Edition with the 2003 Addenda	2010 Edition with the 2011 Addenda		
I-823-1	Visual Examination	2001 Edition with the 2003 Addenda	2013 Edition		
I-824	Ultrasonic Examination of Cast Austenitic Piping Welds From the Outside Surface	2001 Edition	2013 Edition		
1-825	Alternative Requirements for Examination of Control Rod Drive Housing Welds	1995 Edition with the 1996 Addenda	2013 Edition		
I-826	Ultrasonic Examination of Full Penetration Vessel Weld Joints in Figures IWB-2500-1 Through IWB-2500-6	1995 Edition with the 1996 Addenda	2019 Edition		
I-829	Austenitic Stainless Steel Cladding and Nickel Base Cladding Using Ambient Temperature Machine GTAW Temper Bead Technique	1995 Edition with the 1996 Addenda	2019 Edition		
1-830	Direct Use of Master Fracture Toughness Curve for Pressure-Retaining Materials of Class 1 Vessels	1992 Edition	2019 Edition		
V-831	Ultrasonic Examination in Lieu of Radiography for Welds in Ferritic Pipe	1995 Edition with the 1996 Addenda	2019 Edition		
V-831-1	Ultrasonic Examination in Lieu of Radiography for Welds in Ferritic or Austenitic Pipe	1995 Edition with the 1996 Addenda	2019 Edition		
I-838	Flaw Tolerance Evaluation of Cast Austenitic Stainless Steel Piping	1989 Edition with the 1989 Addenda	2019 Edition		
1-839	Similar and Dissimilar Metal Welding Using Ambient Temperature SMAW Temper Bead Technique	1995 Edition with the 1996 Addenda	2019 Edition		
I-840	Cladding Repair by Underwater Electrochemical Deposition in Class 1 and 2 Applications	Addenda	2019 Edition		
I-842	Alternative Inspection Program for Longer Fuel Cycles	2007 Edition with the 2008 Addenda	2019 Edition		
I-843	Alternative Pressure Testing Requirements Following Repair/ Replacement Activities for Class 1 Piping Between the First and Second Injection Isolation Valves	1980 Edition	2019 Edition		
I-845	Qualification Requirements for Bolts and Studs	1995 Edition with the 1996 Addenda	2015 Edition		
I-845-1	Qualification Requirements for Bolts and Studs	1995 Edition with the 1996 Addenda	2015 Edition		
I-847	Partial Excavation and Deposition of Weld Metal for Mitigation of Class 1 Items	1995 Edition with the 1996 Addenda	2019 Edition		
I-848	Alternative Characterization Rules for Quasi-Laminar Flaws	1989 Edition with the 1989 Addenda	2019 Edition		
V-848-1	Alternative Characterization Rules for Quasi-Laminar Flaws	1989 Edition with the 1989 Addenda	2019 Edition		
I-849	In Situ VT-3 Examination of Removable Core Support Structures Without Removal	2007 Edition with the 2008 Addenda	2019 Edition		
I-851	Use of Fracture Toughness Test Data to Establish Reference Temperature for Pressure Retaining Materials	1977 Edition with the Summer 1978 Addenda	2015 Edition		
I-853	PWR Class 1 Primary Piping Alloy 600 Full Penetration Branch Connection Weld Metal Buildup for Material Susceptible to Primary Water Stress Corrosion Cracking	1995 Edition with the 1996 Addenda	2019 Edition		
I-853-1	PWR Class 1 Primary Piping Alloy 600 Full Penetration Branch Connection Weld Metal Buildup for Material Susceptible to Primary Water Stress Corrosion Cracking	1995 Edition with the 1996 Addenda	2019 Edition		
I-854	Alternative Pressure Testing Requirements for Class 2 and 3 Components Connected to the Class 1 Boundary	2001 Edition with the 2003 Addenda	2013 Edition		
1-858	Alternative Volumetric Coverage Requirements for Ultrasonic Examination of Class 1 Nozzle-to-Vessel Welds	1998 Edition with the 2000 Edition	2019 Edition		

Code Case		Applicability				
No.	Title	From Up to and Including				
N-860	Inspection Requirements and Evaluation Standards for Spent Nuclear Fuel Storage and Transportation Containment Systems	2010 Edition with the 2011 Addenda	2019 Edition			
N-864	Reactor Vessel Threads in Flange Examinations	1998 Edition	2019 Edition			
N-865	Alternative Requirements for Pad Reinforcement of Class 2 and 3 Atmospheric Storage Tanks	1998 Edition	2019 Edition			
N-865-1	Alternative Requirements for Pad Reinforcement of Class 2 and 3 Atmospheric, and 0 psi to 15 psi (0 kPa to 100 kPa), Storage Tanks	1998 Edition	2019 Edition			
N-865-2	Alternative Requirements for Pad Reinforcement of Class 2 and 3 Atmospheric, and 0 psi to 15 psi (0 kPa to 100 kPa), Storage Tanks	1998 Edition	2019 Edition			
N-867	Clarification of NDE Practical Examination Requirements	1995 Edition	2015 Edition			
N-868	Third-Party NDE Certification for Non-U.S. Plant Sites	1995 Edition	2019 Edition			
N-869	Evaluation Criteria for Temporary Acceptance of Flaws in Class 2 or 3 Piping	Addenda	2019 Edition			
N-871	Repair of Buried Class 2 and 3 Piping Using Carbon Fiber-Reinforced Polymer Composite	1998 Edition	2019 Edition			
N-871-1	Repair of Buried Class 2 and 3 Piping Using Carbon Fiber-Reinforced Polymer Composite	1998 Edition	2019 Edition			
N-873	Examination Requirements for the Core Makeup Tanks	1998 Edition	2017 Edition			
N-874	Temporary Acceptance of Leakage Through Brazed Joints of Class 3 Copper, Copper-Nickel, and Nickel-Copper Moderate Energy Piping	1995 Edition with the 1996 Addenda	2019 Edition			
N-875	Alternative Inservice Inspection Requirements for Liquid-Metal Reactor Passive Components	1995 Edition	2017 Edition			
N-876	Austenitic Stainless Steel Cladding and Nickel Base Cladding Using Ambient Temperature Automatic or Machine Dry Underwater Laser Beam Welding (ULBW) Temper Bead Technique	1995 Edition with the 1996 Addenda	2015 Edition			
N-877	Alternative Characterization Rules for Multiple Subsurface Radially Oriented Planar Flaws	1998 Edition	2019 Edition			
N-877-1	Alternative Characterization Rules for Multiple Radially Oriented Planar Flaws	1998 Edition	2019 Edition			
N-878	Alternative to QA Program Requirements of IWA-4142	1998 Edition with the 2000 Addenda	2019 Edition			
N-880	Alternative to Procurement Requirements of IWA-4143 for Small Nonstandard Welded Fittings	1998 Edition with the 2000 Addenda	2019 Edition			
N-880-1	Alternative to Procurement Requirements of IWA-4143 for Small Nonstandard Welded Fittings	1998 Edition with the 2000 Addenda	2019 Edition			
N-882	Alternative Requirements for Attaching Nonstructural Electrical Connections to Class 2 and 3 Components	Addenda	2019 Edition			
N-882-1	Alternative Requirements for Attaching Nonstructural Electrical Connections to Class 2 and 3 Components	1995 Edition with the 1996 Addenda	2019 Edition			
N-885	Alternative Requirements for Table IWB-2500-1, Examination Category B-N-1, Interior of Reactor Vessel, Category B-N-2, Welded Core Support Structures and Interior Attachments to Reactor Vessels, Category B-N-3, Removable Core Support Structures	1982 Edition	2019 Edition			
N-888	Similar and Dissimilar Metal Welding Using Ambient Temperature SMAW or Machine GTAW Temper Bead Technique	2001 Edition with the 2003 Addenda	2019 Edition			
N-889	Reference Stress Corrosion Crack Growth Rate Curves for Irradiated Austenitic Stainless Steels in Light Water Reactor Environments	1995 Edition	2019 Edition			
N-890	Materials Exempted From G-2110(b) Requirement	1986 Edition with the 1987 Addenda	2017 Edition			
N-892	Alternative Requirement for Form OAR-1, Owner's Activity Report, Completion Time	1995 Edition	2017 Edition			
N-896	Reference Crack Growth Rate Curves for Stress Corrosion Cracking of Low Alloy Steels in Boiling Water Reactor Environments	1998 Edition	2019 Edition			

Code Case		Арр	olicability
No.	Title	From	Up to and Including
N-897	Analytical Evaluation Procedures for Axial Flaws in Partial-Penetration Nozzle Welds	2007 Edition	2021 Edition
N-899	Weld Residual Stress Distributions for Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082, UNS W86182, UNS N06052, or UNS W86152 Weld Filler Metal		2019 Edition
N-906	Flaw Evaluation Procedure for Cast Austenitic Stainless Steel Piping and Adjacent Fittings	2004 Edition	2019 Edition
N-909	Reference Primary Water Stress Corrosion Crack Growth Rate Curves for Alloy 690 Materials and Associated Weld Materials Alloys 52, 152, and Variant Welds Exposed to Pressurized Water Reactor Environments		2019 Edition
N-911	Purchase, Exchange, or Transfer of Material Between Nuclear Owners	2004 Edition with the 2006 Addenda	2019 Edition
N-912	Alternative Requirements for Qualification of Material Suppliers and Acceptance of Materials	2007 Edition	2019 Edition
N-913	Alternative Examination Requirements for Class 1 Pressure-Retaining Welds in Control Rod Drive Housings	2007 Edition	2019 Edition

# NOTES:

- Applies to the 1974 Edition of Section V.
   Applies to the 1974 Edition with the Winter 1976 Addenda of Section V.
   Applies to the 1980 Edition of Section V.



# **GUIDELINE FOR CROSS-REFERENCING SECTION XI CASES**

## 1 GENERAL

Table 1 applies to Cases listed in the General Note (a) at the bottom of the table. If a Case is not listed in the General Note (a), Table 1 does not apply.

- **1.1 Purpose.** Table 1 provides the user of Cases a tool to identify the appropriate references in a Section XI Edition or Addenda, different from the one on which the Case is based. This allows management of the applicability of various Cases without having to revise the Cases.
- **1.2 How to Use the Table.** Locate the column with the Section XI Edition or Addenda on which the Case is based. Move down that column to the reference in question. Follow that row to the column with the Edition or Addenda on which the Owner's current Section XI program is based. The appropriate reference for the program Edition or Addenda is the intersection of the reference row and the program Edition or Addenda column.

EXAMPLE: **Using Case N-666-1.** Case N-666-1 references are based on the 2004 Edition; however, the program is based on the 1998 Edition.

To use Table 1 in this situation, first find the column containing the Edition or Addenda on which the Case is based. Case N-666-1 is based on the 2004 Edition. Move down that column to the row containing the reference in question. For this example, use IWA-6300. Move across that row to the column containing the program Edition or Addenda. In this example the program uses 1998 Edition. The reference in the intersection of the row with IWA-6300 and the column for the 1998 Edition is "IWA-6300 and IWA-4180." To use this Case with the 1998 Edition of Section XI, the user would refer to both IWA-6300 and IWA-4180 for requirements.

Table 1 Cross-Reference List for Section XI Cases

E17	E15	E13	E10-E11	A09	A08	E07	A06	A05	E04	A03	A02	E01	A96-A00
A-1320 A-1400(g), (k), (o)	A-1320 A-1400(g), (k), (o)	A-1320 A-1400(g), (k), (o)	A-1320 A-1400(f), (j), (n)	A-1320 A-1400(f), (j), (n)									
A-2200	A-2200	A-2200	A-2200	A-2200	A-2200	A-2200	A-2200	A-2200	A-2200	A-2200	A-2200	A-2200	A-2200
A-2210	A-2210	A-2210	A-2210	A-2210	A-2210	A-2210	A-2210	A-2210	A-2210	A-2210	A-2210	A-2210	A-2210
A-2210 A-2222	A-2210 A-2222	A-2222	A-2210 A-2222	A-2222	A-2210 A-2222								
A-2300 A-4000	A-2300	A-2300	A-2300 A-4000	A-2300	A-2300 A-4000	A-2300 A-4000	A-2300 A-4000	A-2300	A-2300	A-2300 A-4000	A-2300	A-2300 A-4000	A-2300 A-4000
	A-4000	A-4000		A-4000				A-4000	A-4000		A-4000		
A-4140	A-4140	A-4140	A-4140	A-4140	A-4140	A-4140	A-4140	A-4140	A-4140	A-4140	A-4140	A-4140	A-4140
A-4150	A-4150	A-4150	A-4150	A-4150	A-4150	A-4150	A-4150	A-4150	A-4150	A-4150	A-4150	A-4150	A-4150
A-4160	A-4160	A-4160	A-4160	A-4160	A-4160	A-4160	A-4160	A-4160	A-4160	A-4160	A-4160	A-4160	A-4160
A-4170	A-4170	A-4170	A-4170	A-4170	A-4170	A-4170	A-4170	A-4170	A-4170	A-4170	A-4170	A-4170	A-4170
A-4180	A-4180	A-4180	A-4180								A-4180	A-4180	A-4180
A-4180(a)	A-4180(a)	A-4180(a)	A-4180(a)								A-4180(d)	A-4180(d)	A-4180(d)
A-4220	A-4220	A-4220	A-4220	A-4220	A-4220	A-4220	A-4220	A-4220	A-4220	A-4220	A-4220	A-4220	A-4220
A-4310	A-4310	A-4310	A-4310	A-4310	A-4310	A-4310	A-4310	A-4310	A-4310	A-4310	A-4310	A-4310	A-4310
A-4311	A-4311	A-4311	A-4311	A-4311	A-4311	A-4311	A-4311	A-4311	A-4311	A-4311	A-4311	A-4311	A-4311
A-4400	A-4400	A-4400	A-4400	A-4400	A-4400	A-4400	A-4400	A-4400	A-4400	A-4400	A-4400	A-4400	A-4400
A-4410	A-4410	A-4410	A-4410	A-4410	A-4410	A-4410	A-4410	A-4410	A-4410	A-4410	A-4410	A-4410	A-4410
A-4411	A-4411	A-4411	A-4411	A-4411	A-4411	A-4411	A-4411	A-4411	A-4411	A-4411	A-4411	A-4411	A-4410(a)
A-4420	A-4420	A-4420	A-4420	A-4420	A-4420	A-4420	A-4420	A-4420	A-4420	A-4420	A-4420	A-4420	A-4420
A-4440	A-4440	A-4440	A-4440	A-4440	A-4440	A-4440	A-4440	A-4440	A-4440	A-4440	A-4440	A-4440	A-4440
A-4540	A-4540	A-4540	A-4540	A-4540	A-4540	A-4540	A-4540	A-4540	A-4540	A-4540	A-4540	A-4540	A-4540
A-4600	A-4600	A-4600	A-4600	A-4600	A-4600	A-4600	A-4600	A-4600	A-4600	A-4600	A-4600	A-4600	A-4600
A-4610	A-4610	A-4610	A-4610	A-4610	A-4610	A-4610	A-4610	A-4610	A-4610	A-4610	A-4610	A-4610	A-4610
A-4611	A-4611	A-4611	A-4611	A-4611	A-4611	A-4611	A-4611	A-4611	A-4611	A-4611	A-4611	A-4611	A-4611
A-4620	A-4620	A-4620	A-4620	A-4620	A-4620	A-4620	A-4620	A-4620	A-4620	A-4620	A-4620	A-4620	A-4620
	A-4650	A-4650	A-4650	A-4650	A-4650	A-4650	A-4650	A-4650	A-4650	A-4650	A-4650	A-4650	A-4650
A-4670(h)	A-4670(h)	A-4670(h)	A-4670(h)										
A-4680(h)													
A-5000	A-5000	A-5000	A-5000	A-5000	A-5000	A-5000	A-5000	A-5000	A-5000	A-5000	A-5000	A-5000	A-5000
A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)	A-5211(a)
A-5240	A-5240	A-5240	A-5240	A-5240	A-5240	A-5240	A-5240	A-5240	A-5240	A-5240	A-5240	A-5240	A-5240
A-5241(f)	A-5241(f)	A-5241(f)	A-5241(f)	A-5241(f)	A-5241(f)	A-5241(f)	A-5242(a)						
A-6211(c), (d), (e)	A-6211(c), (d), (e)	A-6211(c), (d), (e)	A-6211(c), (d), (e)	A-6211(c), (d), (e)	A-6210(c), (d), (e)								
A-6211(d)	A-6211(d)	A-6211(d)	A-6211(g)	A-6211(g)	A-6210(f)	A-6210(f)	A-6210(f)	A-6210(f)	A-6210(f)	A-6210(f)			
A-6211(f)	A-6211(f)	A-6211(f)	A-6211(f)										
A-6212	A-6212	A-6212	A-6212										
A-6220	A-6220	A-6220	A-6220	A-6220	A-6220	A-6220	A-6220	A-6220	A-6220	A-6220	A-6220	A-6220	A-6220
A-6230(b)	A-6230(b)	A-6230(b)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)	A-6230(b), (c), (d)
			A-6240(b)	A-6240(b)	A-6240(b)	A-6240(b)	A-6240(b)	A-6240(b)	A-6240(b)	A-6240(b)	A-6240(b)	A-6240(b)	A-6240(b)

Table 1
Cross-Reference List for Section XI Cases (Cont'd)

E17	E15	E13	E10-E11	A09	A08	E07	A06	A05	E04	A03	A02	E01	A96-A00
A-6300													
A-6350													
B-2411(b)													
							B-2412(b)						
B-2420(b), (c)	B-2420(b)												
B-2430													
TB-2500-1													
B-3140 B-3514													
B-3517													
B-3523													
B-3600 B-3630													
B-3640													
											B-3650	B-3650	B-3650
B-5000													
C-2430(a)(1)(-b)	C-2430(a)(1)(-b)	C-2430(a)(1)(-b)	C-2430(a)(1)(-b)	C-2430(b)									
C-3600													
C-3640													
											C-3650	C-3650	C-3650
D-2430(a)(1)(-b)	D-2430(a)(1)(-b)	D-2430(a)(1)(-b)	D-2430(a)(1)(-b)	D-2430(b)									
D-3600													
D-3640													

#### Legend:

A = IWA

B = IWB

C = IWC

D = IWD

TB = Table IWB

#### **GENERAL NOTES:**

- (a) This table is for use with Cases N-532-4, N-561-3, N-562-3, N-576-1, N-576-2, N-609-1, N-638-4, N-638-5, N-638-6, N-638-7, N-638-8, N-638-9, N-661-3, N-661-4, N-666, N-666-1, N-730, N-730-1, N-733, N-733-1, N-752, N-754-2, N-769, N-769-1, N-769-2, N-771, N-786-1, N-786-2, N-786-3, N-789-2, N-789-3, N-829, N-839, N-847, N-853, N-865, and N-865-1.
- (b) When using Case N-532-4 with Code Editions and Addenda and later than the 2005 Addenda, the paragraph references listed in Table 1 shall apply.
- (c) When using Cases N-638-4, N-638-5, N-638-6, or N-666 with Code Editions and Addenda later than the 2004 Edition, the paragraph references listed in Table 1 shall apply.
- (d) When using Cases N-576-1 with Code Editions and Addenda later than the 2000 Addenda, the paragraph references listed in Table 1 shall apply. Enter Table 1 in the 2000 Addenda column.
- (e) When using Cases N-730, N-730-1, N-769, N-769-1, or N-769-2 with Code Editions and Addenda later than the 2009 Addenda, the paragraph references listed in Table 1 shall apply. Enter Table 1 in the 2009 Addenda column.
- (f) When using Case N-733 with Code Editions and Addenda later than the 2006 Addenda, the paragraph references listed in Table 1 shall apply. Enter Table 1 in the 2006 Addenda column. When using Case N-733-1 with Code Editions and Addenda earlier than the 2007 Edition, the paragraph references listed in Table 1 shall apply. Enter Table 1 in the 2007 Edition column.

# Table 1 Cross-Reference List for Section XI Cases (Cont'd)

## GENERAL NOTES (CONT'D):

- (g) When using Case N-771 with Code Editions and Addenda later than the 2009 Addenda, the paragraph references listed in Table 1 shall apply. Enter Table 1 in the 2009 Addenda column.
- (h) When using Case N-609-1 with Code Editions and Addenda later than the 2005 Addenda, the paragraph references listed in Table 1 shall apply. Enter Table 1 in the 2006 Addenda column.
- (i) When using Cases N-561-3, N-562-3, and N-661-4 with Code Editions and Addenda other than the 2017 Edition, usage of IWA-4670 is limited to the 2013 Edition through the 2017 Edition and usage of IWA-4680 is limited to the 2017 Edition.

# Approval Date: July 15, 2020

Code Cases will remain available for use until annulled by the applicable Standards Committee.

#### Case 2996-1

Extension of Joining Personnel's Qualification Continuity

Section I; Section IV; Section VIII, Division 1; Section VIII, Division 2; Section VIII, Division 3; Section IX; Section XII; Section III, Division 1; Section III, Division 2; Section III, Division 3; Section III, Division 5; Section XI, Division 1

*Inquiry:* Under what conditions may an organization extend the qualification continuity of joining personnel?

*Reply:* It is the opinion of the Committee that the qualification continuity of joining personnel who have experienced an employment interruption due to the COVID-19 outbreak may be extended an additional three months beyond that allowed by QW-322, QB-322, and QF-332, provided the following requirements are met:

- (a) The qualification was valid at the time of the employment interruption.
- (b) The qualification was scheduled to expire during the employment interruption.

The latest date the joining personnel uses the process within the extended period will be the new date for continuity purposes. QW-322.1(b), QB-322(b), and QF-322.1(b) shall still apply for the joining personnel whose continuity has been extended. The provisions of this Case will expire three months after the approval date.

This Case number shall be shown in the joining personnel's continuity report.

The Committee's function is to establish rules of safety, relating only to pressure integrity, governing the construction of boilers, pressure vessels, transport tanks and nuclear components, and inservice inspection for pressure integrity of nuclear components and transport tanks, and to interpret these rules when questions arise regarding their intent. This Code does not address other safety issues relating to the construction of boilers, pressure vessels, transport tanks and nuclear components, and the inservice inspection of nuclear components and transport tanks. The user of the Code should refer to other pertinent codes, standards, laws, regulations or other relevant documents.