

AN INTERNATIONAL CODE

2017 ASME Boiler & Pressure Vessel Code

CODE CASES: NUCLEAR COMPONENTS

Supplement 1

The new and revised Cases that appear in this Supplement were approved by the Board on Nuclear Codes and Standards between February 16 and May 11, 2017.



The American Society of
Mechanical Engineers

Two Park Avenue • New York, NY • 10016 USA



7 0 1 2 N 1

NUMERIC INDEX

<u>Case</u>	<u>Approval Date</u>	<u>Errata</u>	<u>Annulled Date/ Supersedes</u>	<u>Case</u>	<u>Approval Date</u>	<u>Errata</u>	<u>Annulled Date/ Supersedes</u>
N-4-13	2-12-2008	...	...	N-560-2	3-28-2000	...	...
N-60-6	12-6-2011	...	...	N-561-2	3-22-2007	...	...
N-62-7	5-11-1994	...	...	N-562-2	3-22-2007	...	...
N-71-20	7-17-2016	2017	N-71-19	N-564-2	1-17-2000	...	...
N-131-1	12-11-1981	...	...	N-565	12-31-1996	...	...
N-133-3	7-18-1985	...	...	N-566-2	3-28-2001	...	...
N-154-1	12-5-1985	...	...	N-569-1	5-7-1999	...	...
N-155-3	2-11-2016	2017	...	N-570-2	9-9-2008	...	...
N-205	7-13-1981	...	...	N-575	8-14-1997	...	...
N-213-1	2-11-2016	...	...	N-576-2	3-16-2012	...	...
	3-6-1978(ACI)	...	...	N-577-1	3-28-2000	...	...
N-249-15	7-15-2014	2017	...	N-578-1	3-28-2000	...	...
N-258-2	7-30-1986	...	...	N-579	8-14-1997	...	...
	3-17-1978(ACI)	...	...	N-580-2	1-4-2008	...	...
N-284-4	10-8-2012	...	...	N-586-1	5-4-2004	...	...
N-290-1	4-4-1983	...	...	N-589-1	7-23-2002	...	...
N-312	5-25-1983	...	...	N-593-2	11-8-2011	...	...
	9-26-1983(ACI)	...	...	N-594-1	10-14-2011	...	...
N-315	2-14-1983	...	...	N-597-3	5-7-2014	...	...
N-319-3	1-17-2000	...	...	N-600	9-18-2001	...	...
N-351	7-16-1982	...	...	N-606-2	6-21-2013	...	...
N-369	2-14-1983	...	...	N-607	2-26-1999	...	...
N-373-3	10-8-2004	...	...	N-609-1	9-17-2010	...	...
N-405-1	7-24-1989	...	...	N-610	7-30-1998	...	...
N-432-1	3-28-2001	...	...	N-613-2	12-20-2010	...	...
N-452	3-8-1989	...	...	N-618	6-17-2003	...	...
N-453-3	12-12-1995	...	...	N-619	2-15-1999	...	...
N-454-1	4-30-1992	...	...	N-620	2-26-1999	...	...
N-455-1	4-30-1992	...	...	N-621-1	10-8-2004	...	...
N-460	7-27-1988	...	...	N-624	5-7-1999	...	...
N-469-1	6-14-2000	...	...	N-625-1	3-28-2001	...	...
N-483-3	5-7-1999	...	...	N-631	9-24-1999	...	...
N-494-4	1-12-2005	...	...	N-632	12-3-1999	...	...
N-498-4	2-15-1999	...	...	N-633	6-14-2002	...	...
N-500-4	10-14-2011	...	...		6-14-2002(ACI)	...	...
N-504-4	7-14-2006	...	...	N-635-1	2-14-2003	...	...
N-505	7-27-1992	...	...	N-636	9-24-1999	...	...
N-508-4	1-26-2009	...	...	N-637-1	9-20-2010	...	...
N-510-1	12-12-1994	...	...	N-638-9	11-7-2016	...	N-638-8
N-511	2-12-1993	...	...	N-639	9-24-1999	...	...
N-513-4	5-7-2014	...	...	N-641	1-17-2000	...	...
N-516-5	4-25-2016	...	...	N-642	3-28-2000	...	...
N-517-1	7-30-1998	...	...	N-643-2	5-4-2004	...	...
N-520-6	12-11-2012	...	...	N-644-1	2-14-2003	...	...
N-525	12-9-1993	...	...	N-647	12-8-2000	...	...
N-526	8-9-1996	...	...	N-648-2	9-4-2014	...	...
N-528-1	5-7-1999	...	...	N-649	3-28-2001	...	...
N-530	12-12-1994	...	...	N-650	3-28-2001	...	...
N-532-5	1-4-2011	...	...	N-651	8-14-2001	...	...
N-537	3-14-1995	...	...	N-652-2	9-3-2010	...	...
N-539-1	8-16-2016	...	N-539	N-653-2	6-23-2015	...	...
N-548	3-19-1996	...	...	N-654	4-17-2002	...	...
N-552-1	6-22-2012	...	...	N-655-2	9-27-2010	...	...
N-557-1	12-31-1996	...	...	N-658	4-4-2002	...	...
				N-659-2	6-9-2008	...	...

Case	Approval Date	Errata	Annulled Date/ Supersedes	Case	Approval Date	Errata	Annulled Date/ Supersedes
N-660	7-23-2002	...	...	N-766-2	11-7-2016	...	N-766-1
N-661-3	4-25-2016	...	...	N-767	1-4-2008	...	...
N-662-1	6-25-2011	...	...	N-769-2	7-16-2012	...	...
N-663	9-17-2002	...	...	N-770-5	11-7-2016	...	N-770-4
N-664	8-20-2002	...	...	N-771	9-8-2011	...	...
N-665	2-28-2003	...	...	N-773	1-26-2009	...	...
N-666-1	3-13-2012	...	...	N-774	9-3-2008	...	...
N-673	8-7-2003	...	...	N-775	6-24-2010	...	...
N-683	2-14-2003	...	...	N-776	4-9-2010	...	...
N-685	5-9-2003	...	...	N-777	10-10-2008	...	...
N-686-1	1-10-2007	...	...	N-778	12-25-2009	...	...
N-691	11-18-2003	...	...	N-779	1-26-2009	...	...
N-692-1	5-9-2016	...	...	N-780	4-9-2010	...	...
N-694-2	1-16-2013	...	...	N-782	1-30-2009	...	...
N-695-1	12-31-2014	...	...	N-784	4-9-2010	...	...
N-696-1	5-7-2014	...	...	N-785	10-12-2009	...	...
N-697	11-18-2003	...	...	N-786-3	4-27-2017	...	N-786-2
N-698	11-18-2003	...	...	N-788-1	3-6-2017	...	N-788
N-699	1-5-2006	...	...	N-789-3	4-27-2017	...	N-789-2
N-700	11-18-2003	...	...	N-791	9-20-2010	...	...
N-702	2-20-2004	...	...		10-23-2010(ACI)	...	...
N-703	5-4-2004	...	...	N-792-1	8-12-2012	...	...
N-705	10-12-2006	...	...	N-793	9-20-2010	...	...
N-706-1	1-10-2007	...	...		10-23-2010(ACI)	...	...
N-707-1	2-18-2016	...	...	N-794	9-20-2010	...	...
N-708	9-21-2007	...	...		10-23-2010(ACI)	...	...
N-710	5-5-2004	...	...	N-795	9-17-2010	...	...
N-711-1	11-7-2016	...	N-711	N-796	10-18-2010	...	...
N-712	5-12-2004	...	...		10-23-2010(ACI)	...	...
N-713	11-10-2008	...	...	N-798	12-20-2010	...	...
N-716-2	11-7-2016	...	N-716-1	N-799	12-20-2010	...	...
N-721	9-9-2008	...	...	N-800	12-20-2010	...	...
N-722-2	9-8-2011	...	...	N-801-3	5-11-2017	2017-Supp. 1	N-801-2
N-725	1-12-2005	...	...	N-803	2-25-2011	...	...
N-727	2-24-2006	...	...	N-804	10-14-2011	...	...
N-728	10-11-2005	...	...	N-805	2-25-2011	...	...
N-729-6	3-3-2016	...	...	N-806-1	12-15-2015	2017	...
N-730-1	7-16-2012	...	...	N-807	4-20-2011	...	...
N-731	2-22-2005	...	...		9-6-2011(ACI)	...	...
N-733	7-1-2005	...	...	N-809	6-23-2015	2017	...
N-735	10-12-2006	...	...	N-811	8-5-2011	...	...
N-736	1-5-2006	...	...		9-6-2011(ACI)	...	...
N-738	7-1-2005	...	...	N-812-1	1-10-2013	...	...
N-739-1	1-21-2007	...	...	N-813	10-24-2011	...	...
N-740-2	11-10-2008	...	...	N-815	12-6-2011	...	...
N-741	10-11-2005	...	...	N-816	12-6-2011	...	...
N-746	1-5-2006	...	...	N-817	12-6-2011	...	...
N-747	1-13-2006	...	...	N-818-1	8-20-2014	2017	...
N-748	9-9-2008	...	...	N-819	12-6-2011	...	...
N-749	3-16-2012	...	...	N-820	12-29-2011	...	...
N-751	8-3-2006	...	...		1-25-2012(ACI)	...	...
N-753	7-14-2006	...	...	N-822-4	8-2-2016	...	...
N-754-1	2-28-2013	...	...	N-823-1	1-23-2014	...	...
N-755-4	5-11-2017	...	N-755-3	N-824	10-16-2012	...	...
N-756	1-21-2007	...	...	N-825	10-2-2013	...	...
N-757-1	9-21-2007	...	...	N-826	7-16-2012	...	...
N-759-2	1-4-2008	2017	...	N-829	12-28-2012	...	...
N-760-2	10-10-2008	...	...	N-830	9-4-2014	...	...
N-761	9-20-2010	...	...	N-831	10-20-2016	...	...
N-762-1	10-21-2013	...	...	N-833	1-2-2013	...	...
N-763	8-28-2008	...	...		1-23-2013(ACI)	...	...
	3-19-2010(ACI)	...	...	N-834	10-22-2013	...	...
N-765	1-26-2009	...	...	N-836	10-22-2013	...	...

Case	Approval Date	Errata	Annulled Date/ Supersedes
N-837	10-22-2013	...	...
N-838	8-3-2015	...	...
N-839	9-4-2014	...	...
N-840	1-23-2014	...	...
N-841	1-6-2014	...	...
N-842	1-28-2014	...	...
N-843	1-23-2014	...	...
N-844	2-9-2014	...	...
N-845-1	4-25-2016	...	...
N-846	7-25-2014	...	...
N-847	10-24-2016	...	...
N-848-1	11-7-2016	...	N-848
N-849	9-4-2014	...	...
N-850	10-20-2014	...	...
	8-1-2014(ACI)	...	...
N-851	11-5-2014	...	...
N-852	2-9-2015	...	...
N-853	6-27-2016	...	...

Case	Approval Date	Errata	Annulled Date/ Supersedes
N-854	4-15-2015	...	...
N-855	7-8-2015	...	...
N-856	7-16-2015	...	...
N-859	1-20-2016	...	...
N-861	2-11-2016	...	...
N-862	2-11-2016	...	...
N-863-1	2-16-2017	...	N-863
N-866	11-14-2016	...	...
N-867	11-7-2016	...	...
N-868	10-20-2016	...	...
N-870	1-30-2017	...	...
N-872	10-20-2016	...	...
N-873	5-10-2017	...	...
N-875	5-11-2017	...	...
N-878	4-18-2017	...	...
N-879	5-10-2017	...	...

SUBJECT INDEX

Subject	Case	Subject	Case
Section III — Division 1		Section III — Division 1	
Rules for Construction of Nuclear Facility Components		Rules for Construction of Nuclear Facility Components (Cont'd)	
Additional Materials for Subsection NF, Class 1, 2, 3, and MC		Boron Containing Powder Metallurgy Aluminum Alloy for	
Supports Fabricated by Welding	N-71	Storage and Transportation of Spent Nuclear Fuel	N-673
Additional Materials for Subsection NF, Class 1, 2, 3, and MC		Calibration of C _v Impact Test Machines	N-777
Supports Fabricated Without Welding	N-249	Certificate Holder Ability to Supply Polyethylene Material	N-846
Air Cooling of SA-182 Grades F304, F304L, F316, F316L Forgings		Construction of ASME B16.9 Wrought Butt Welding Fittings and	
Instead of Liquid Quenching After Solution Heat Treatment,		ASME B16.11 Forged Fittings Made From SB-366 UNS N04400	
Classes 1, 2, and 3	N-548	Material for Section III, Class 3 Construction	N-859
Alternate Creep-Fatigue Damage Envelope for 9Cr-1Mo-V Steel	N-812	Design Stress Intensities and Yield Strength Values for UNS	
Alternate Procedure for Evaluation of Stresses in Butt Welding		N06690 With a Minimum Specified Yield Strength of 30 ksi,	
Elbows in Class 1 Piping	N-319	Class 1 Components	N-525
Alternative Materials for Construction of Section III, Class 2		Design Stress Intensities and Yield Strength Values for UNS	
Vessels	N-866	N06690 With a Minimum Specified Yield Strength of 35 ksi	
Alternative Methods of Nozzle Attachment for Class 1 Vessels	N-565	(240 MPa), Class 1 Components	N-698
Alternative Preheat Temperature for Austenitic Welds in P-No. 1		Design Stress Values for UNS N06690 With a Minimum Specified	
Material Without PWHT	N-804	Yield Strength of 35 ksi (240 MPa), Classes 2 and 3	
Alternative PWHT Time at Temperature for P-No. 5A or P-No. 5B		Components	N-725
Group 1 Material, Classes 1, 2, and 3	N-373	Design Temperatures for Atmospheric and 0–15 psi Storage	
Alternative Reference Stress Intensity Factor (<i>K_{IR}</i>) Curve for		Tanks	N-511
Class Components	N-610	Dissimilar Welding Using Continuous Drive Friction Welding for	
Alternative Rules for Acceptability for Class 1 Valves, NPS 1		Reactor Vessel CRDM/CEDM Nozzle to Flange/Adapter Welds,	
(DN 25) and Smaller With Nonwelded End Connections Other		Class 1	N-727
Than Flanges	N-756	Exemptions to Mandatory PWHT of SA-738 Grade B for Class MC	
Alternative Rules for Acceptability for Class 2 and 3 Valves,		Applications	N-841
NPS 1 (DN 25) and Smaller With Welded and Nonwelded End		Expansion Joints in Class 1, Liquid Metal Piping	N-290
Connections Other Than Flanges	N-757	Fatigue Design Curves for Light Water Reactor (LWR)	
Alternative Rules for Determining Allowable External Pressure		Environments	N-761
and Compressive Stresses for Cylinders, Cones, Spheres, and		Fatigue Evaluations Including Environmental Effects	N-792
Formed Heads, Class 1, 2, and 3	N-759	Fiberglass Reinforced Thermosetting Resin Pipe	N-155
Alternative Rules for Linear Piping and Linear Standard		Guidance on Implementation of NS Certificate of Accreditation	N-607
Supports for Classes 1, 2, 3, and MC	N-570	Heat Exchanger Tube Mechanical Plugging, Class 1	N-836
Alternative Rules for Linear Piping Supports	N-721	Internal and External Valve Items, Classes 1, 2, and 3	N-62
Alternative Rules for Progressive Liquid Penetrant Examination		Martensitic Stainless Steel for Classes 1, 2, and 3 Components	N-469
of Groove Welds in P-No. 8 Materials ³ / ₁₆ in. (5 mm) Thick and		Material for Core Support Structures	N-60
Less Made by Autogenous Machine or Automatic Welding	N-642	Material for Internal Pressure Retaining Items for Pressure	
Alternative Rules for Renewal of Active or Expired Certificates		Relief Valves, Classes 1, 2, and 3	N-131
for Plants Not in Active Construction	N-520	Metal Containment Shell Buckling Design Methods, Class MC, TC,	
Alternative Rules for Simplified Elastic-Plastic Analysis Class 1.	N-779	and SC Construction	N-284
Alternative Rules for Standard Supports for Classes 1, 2, 3, and		NDE of Full Penetration Butt Welds in Class 2 Supports	N-738
MC	N-500	Ni-Cr-Mo Alloy (UNS N06022) Welded Construction to 800°F	N-621
Alternative Rules for the Examination of Butt Welds Used as		Ni-Cr-Mo Alloy (UNS N06059) Welded Construction to 800°F	N-625
Closure Welds for Electrical Penetration Assemblies in		Nickel-Chromium-Molybdenum-Copper Stainless Steel (UNS	
Containment Structures	N-505	N08925 and N08926) for Class 2 and 3 Construction	N-453
Alternative Rules to the Provisions of NCA-3800, Requirements		Nickel-Chromium-Molybdenum-Copper Stainless Steels (UNS	
for Purchase of Material	N-483	N08925 and N08926) Forged Flanges and Fittings for Class 2	
Alternative to the Registered Professional Engineer		and 3 Construction	N-455
Requirements	N-837	Nickel-Chromium-Molybdenum-Copper Stainless Steels (UNS	
Alternatives to the Requirements of NB-4250(c)	N-844	N08925 and N08926) Wrought Fittings for Class 2 and 3	
Application of the ASME Certification Mark	N-822	Construction	N-454
Application of the ASME NPT Stamp	N-852	Postweld Heat Treatment (PWHT) of Valve Seal Welds for P4 and	
ASTM A988/A988M-11 UNS S31603, Subsection NB, Class 1		P5A Materials	N-863
Components	N-834	Projection Resistance Welding of Valve Seats, Classes 1, 2, and 3	N-154
Borated Stainless Steel for Class CS Core Support Structures and		Provisions for Establishing Allowable Axial Compressive	
Class 1 Component Supports	N-510	Membrane Stresses in the Cylindrical Walls of 0-15 psi Storage	
		Tanks, Classes 2 and 3	N-530

Subject	Case
Section III — Division 1	
Rules for Construction of Nuclear Facility Components (Cont'd)	
Repair of Bellows	N-315
Repairs to P-4 and P-5A Castings Without Postweld Heat Treatment Class 1, 2, and 3 Construction	N-594
Resistance Welding of Bellows	N-369
Rules for Class 1 Type M Pumps	N-620
Rules for Repair of N-Stamped Class 1, 2, and 3 Components ..	N-801
Rules for the Elimination of External Surface Defects on Class 1, 2, and 3 Piping, Pumps, or Valves After Component Stamping and Prior to Completion of the N-3 Data Report	N-870
SA-494 Grade CW-12MW (UNS N30002) Nickel Alloy Castings for Construction of NPS 2½ and Smaller Flanged Valves for Class 3 Construction	N-856
SB-148 C95800 Valves for Class 3 Construction	N-855
Socket Welds	N-405
Special Type 403 Modified Forgings or Bars, Class 1 and CS ...	N-4
Specialized Subcontracted Welding Process (Electron Beam Welding)	N-452
UNS J93380, Alloy CD3MWCuN, Classes 2 and 3 Construction ..	N-564
UNS N08367 in Class 2 and 3 Valves	N-539
Use of 13Cr-4Ni (Alloy UNS S41500) Grade F6NM Forgings Weighing in Excess of 10,000 lb (4 540 kg) and Otherwise Conforming to the Requirements of SA-336/SA-336M for Class 1, 2 and 3 Construction	N-774
Use of 18Cr-13Ni-3Mo (Alloy UNS S31703), 19Cr-15Ni-4Mo (Alloy UNS S31725), and 18.5Cr-15.5Ni-4.5Mo-N (Alloy UNS S31726) Forgings, Seamless Tubing, Plate, Welded Tubing, Welded and Seamless Pipe, Welded Pipe With Addition of Filler Metal and Fittings, Classes 2 and 3	N-636
Use of 21Cr-6Ni-9Mn (Alloy UNS S21904) Grade FXM-11 (Conforming to SA-182/SA-182M and SA-336/SA-336M), Grade TPXM-11 (Conforming to SA-312/SA-312M) and Type XM-11 (Conforming to SA-666) Material, for Class 1 Construction	N-767
Use of 22Cr-5Ni-3Mo-N (Alloy UNS S31803) Forgings, Plate, Bar, Welded and Seamless Pipe, and/or Tube, Fittings, and Fusion Welded Pipe With Addition of Filler Metal, Classes 1, 2, and 3	N-635
Use of 22Cr-5Ni-3Mo-N (Alloy UNS S32205 Austenitic/Ferritic Duplex Stainless Steel) Forgings, Plate, Welded and Seamless Pipe and Tubing, and Fittings to SA-182, SA-240, SA-789, A 790-04a, SA-815, Classes 2 and 3	N-741
Use of 44Fe-25Ni-21Cr-Mo (Alloy UNS N08904) Plate, Bar, Fittings, Welded Pipe, and Welded Tube, Classes 2 and 3	N-637
Use of 46Fe-24Ni-21Cr-6Mo-Cu-N (UNS N08367) Bolting Materials for Class 2 and 3 Components	N-746
Use of Alloy 600 With Columbium Added	N-580
Use of Code Editions, Addenda, and Cases	N-782
Use of Die Forgings, SB-247, UNS A96061, Class T6, With Thickness ≤4.000 in. Material, Class 2 Construction (1989 Edition With the 1991 Addenda or Earlier)	N-819
Use of Die Forgings, SB-247, UNS A96061, Class T6, With Thickness ≤4.000 in. Material, Class 2 Construction (1992 Edition or Later)	N-817
Use of Ductile Iron SA-395, Class 3	N-205
Use of Fracture Toughness Test Data to Establish Reference Temperature for Pressure Retaining Materials Other Than Bolting for Class 1 Vessels	N-631
Use of JIS G4303, Grades SUS304, SUS304L, SUS316, and SUS316L	N-708
Use of Micro-Alloyed Carbon Steel Bar in Patented Mechanical Joints and Fittings, Classes 1, 2, and 3	N-879
Use of NDE and Fracture Mechanics for Acceptance of Full Penetration Butt Welds in Lieu of Weld Repair, Class 1 and 2 ..	N-818

Subject	Case
Section III — Division 1	
Rules for Construction of Nuclear Facility Components (Cont'd)	
Use of Nonstandard Nuts, Class 1, 2, and 3, MC, CS Components and Supports Construction	N-579
Use of Polyethylene (PE) Class 3 Plastic Pipe	N-755
Use of SA-358/SA-358M Grades Fabricated as Class 3 or Class 4 Welded Pipe, Class CS Core Support Construction	N-815
Use of SA-479/SA-479M, UNS S41500 for Class 1, Welded Construction	N-785
Use of SA-537, Class 2 Plate Material in Non-pressure Boundary Application Service 700°F to 850°F, Class 1 or CS	N-650
Use of SA-738, Grade B, for Metal Containment Vessels, Class MC ..	N-655
Use of SB-148 Alloys 952 and 954, Class 3	N-133
Use of Standard Welding Procedures	N-692
Use of Strain Hardened Austenitic Material at Lower Design Stress Values for Class 1 Valves	N-703
Use of Subsize Charpy V-Notch Specimens	N-351
Use of Temper Bead Weld Repair Rules Adopted in 2010 Edition and Earlier Editions	N-816
Use of Titanium Grade 2 (UNS R50400) Tube and Bar, and Grade 1 (UNS R50250) Plate and Sheet for Class 1 Construction ...	N-699
Use of Ultrasonic Examination in Lieu of Radiography for Weld Examination	N-659
Use of UNS S32050 Welded and Seamless Pipe and Tubing, Forgings, and Plates Conforming to SA-249/SA-249M, SA-479/SA-479M, and SA-240/SA-240M, and Grade CK35MN Castings Conforming to ASTM A743-03 for Construction of Class 1, 2, and 3 Components	N-736
Use of Zirconium Alloy UNS R60702, Bars, Forgings, Plate, Seamless and Welded Fittings, Seamless and Welded Tubing, and Seamless and Welded Pipe, for Class 3 Construction ...	N-710
Weld Procedure Qualification for Procedures Exempt From PWHT in Classes 1, 2, and 3 Construction	N-644
Welding of Globe Valve Disks to Valve Stem Retainers, Classes 1, 2, and 3	N-760
Section III — Division 2	
Code For Concrete Containments	
Alternative Qualification Requirements for Concrete Level III Inspection Personnel	N-811
Alternative to the Registered Professional Engineer Requirements	N-837
Application of the ASME Certification Mark	N-822
Application of the ASME NPT Stamp	N-852
ASTM A709-06, Grade HPS 70W (HPS 485W) Plate Material Without Postweld Heat Treatment as Containment Liner Material or Structural Attachments to the Containment Liner, Subsection CC	N-763
Calibration of C _v Impact Test Machines	N-777
Design of Interaction Zones for Concrete Containments	N-258
Equivalent Rectangular Compressive Stress Block for Concrete Containment	N-850
Extruded Steel Sleeves With Parallel Threaded Ends	N-793
Minimum Nonprestressed Reinforcement in the Containment Base Mat or Slab Required for Concrete Crack Control	N-833
Shear Screw and Sleeve Splice	N-791
Swaged Splice With Threaded Ends	N-794
Threaded Sleeves With Parallel Threads Cut on Upsized Bar Ends	N-796
Twisting of Horizontal Prestressing Tendons	N-820
Use of ASTM A572, Grades 50 and 65 for Structural Attachments to Class CC Containment Liners	N-632
Use of Grades 75 and 80 Reinforcement in Concrete Containments	N-807

<u>Subject</u>	<u>Case</u>
Section III — Division 2	
Code For Concrete Containments (Cont'd)	
Use of SA-533/SA-533M, Type B, Class 2, Plate for Structural Attachments to Class CC Containment Liners	N-633
Use of Stud Welds to Anchor Section III, Division 1, Class MC Vessels to Section III, Division 2, Class CC Concrete Containment Structures	N-312
Welded Radial Shear Bar Assemblies	N-213
Section III — Division 3	
Containments for Transportation and Storage of Spent Nuclear Fuel and High Level Radioactive Material and Waste	
Alternative Rules to the Provisions of NCA-3800, Requirements for Purchase of Material	N-483
Alternative to the Registered Professional Engineer Requirements	N-837
Application of the ASME Certification Mark	N-822
Application of the ASME NPT Stamp	N-852
Calibration of C _v Impact Test Machines	N-777
Metal Containment Shell Buckling Design Methods, Class MC, TC, and SC Construction	N-284
Use of ASTM B932-04 Plate Material for Nonpressure Retaining Spent Fuel Containment Internals to 650°F (343°C)	N-728
Use of Eddy Current Examination in Lieu of Liquid Penetrant Examination	N-748
Use of SA-537, Class 1 Plate Material for Spent-Fuel Containment Internals in Non-Pressure Retaining Applications Above 700°F (370°C)	N-707
Use of Ultrasonic Examination in Lieu of Radiography for Weld Examination	N-659
Section III — Division 5	
High Temperature Reactors	
Alternate Creep-Fatigue Damage Envelope for 9Cr-1Mo-V Steel	N-812
Alternative to the Registered Professional Engineer Requirements	N-837
Application of the ASME Certification Mark	N-822
Application of the ASME NPT Stamp	N-852
Calculation of Creep-Fatigue for Division 5 Class A Components at Elevated Temperature Service Using Elastic-Perfectly Plastic Analysis	N-862
Satisfaction of Strain Limits for Division 5 Class A Components at Elevated Temperature Service Using Elastic-Perfectly Plastic Analysis	N-861
Use of 52Ni-22Cr-13Co-9Mo Alloy 617 (UNS N06617) for Low Temperature Service Construction	N-872
Section XI, Division 1	
Rules for Inservice Inspection of Nuclear Power Plant Components	
Acceptance Criteria for Flaws in Ferritic Steel Components 4 in. and Greater in Thickness	N-654
Alternative Acceptance Criteria for Flaws in Ferritic Steel Components Operating in the Upper Shelf Temperature Range	N-749
Alternative Additional Examination Requirements for Classes 1, 2, and 3 Piping, Components, and Supports	N-586
Alternative Calibration Block Material	N-639
Alternative Characterization Rules for Quasi-Laminar Flaws	N-848
Alternative Class 1 System Leakage Test Pressure Requirements	N-731
Alternative Classification and Examination Requirements	N-716
Alternative Examination Coverage for Class 1 and Class 2 Welds	N-460
Alternative Examination Coverage Requirements for Examination Category B-F, B-J, C-F-1, C-F-2, and R-A Piping Welds	N-711

<u>Subject</u>	<u>Case</u>
Section XI, Division 1	
Rules for Inservice Inspection of Nuclear Power Plant Components (Cont'd)	
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	N-770
Alternative Examination Requirements for Class 1, Category B-J Piping Welds	N-560
Alternative Examination Requirements for Full Penetration Nozzle-to-Vessel Welds in Reactor Vessels With Set-On Type Nozzles	N-575
Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds	N-729
Alternative Examination Requirements of Table IWB-2500-1 and Table IWC-2500-1 for PWR Stainless Steel Residual and Regenerative Heat Exchangers	N-706
Alternative Inspection Program for Longer Fuel Cycles	N-842
Alternative Method for Establishing the Reference Temperature for Pressure Retaining Materials	N-851
Alternative Methods — Qualification for Nozzle Inside Radius Section From the Outside Surface	N-552
Alternative Pressure Testing Requirements Following Repair/Replacement Activities for Class 1 Piping Between the First and Second Injection Isolation Valves	N-843
Alternative Pressure Testing Requirements for Class 1 Piping Between the First and Second Injection Valves	N-800
Alternative Pressure Testing Requirements for Class 1 Piping Between the First and Second Vent, Drain, and Test Isolation Devices	N-798
Alternative Pressure Testing Requirements for Class 2 and 3 Components Connected to the Class 1 Boundary	N-854
Alternative Pressure-Temperature Relationship and Low Temperature Overpressure Protection System Requirements	N-641
Alternative Qualification Criteria for Eddy Current Examinations of Piping Inside Surfaces	N-773
Alternative Qualification Requirements for Personnel Performing Class CC Concrete and Post-Tensioning System Visual Examinations	N-739
Alternative Repair/Replacement Requirements for Items Classified in Accordance With Risk-Informed Processes	N-662
Alternative Requirements for 10-Year System Hydrostatic Testing for Class 1, 2, and 3 Systems	N-498
Alternative Requirements for Additional Examinations of Class 2 or 3 Items	N-771
Alternative Requirements for Beam Angle Measurements Using Refracted Longitudinal Wave Search Units	N-665
Alternative Requirements for Boiling Water Reactor (BWR) Nozzle Inner Radius and Nozzle-to-Shell Welds	N-702
Alternative Requirements for Bolting Affected by Borated Water Leakage	N-775
Alternative Requirements for BWR Class 1 System Leakage Test Pressure Following Repair/Replacement Activities	N-795
Alternative Requirements for Classes 1 and 2 Surface Examinations	N-663
Alternative Requirements for Examination of Control Rod Drive Housing Welds	N-825
Alternative Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles	N-648
Alternative Requirements for IWE-5240 Visual Examination	N-649
Alternative Requirements for Nozzle Inner Radius Inspections for Class 1 Pressurizer and Steam Generator Nozzles	N-619

Subject	Case
Section XI, Division 1	
Rules for Inservice Inspection of Nuclear Power Plant Components (Cont'd)	
Alternative Requirements for Pad Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping for Raw Water Service	N-789
Alternative Requirements for Preparation and Submittal of Plans, Schedules, and Preservice and Inservice Inspection Summary Reports	N-778
Alternative Requirements for Preservice Volumetric and Surface Examination	N-813
Alternative Requirements for Sleeve Reinforcement of Class 2 and 3 Moderate-Energy Carbon Steel Piping	N-786
Alternative Requirements for Successive Inspections of Class 1 and 2 Vessels	N-526
Alternative Requirements for Upgrade, Substitution, or Reconfiguration of Examination Equipment When Using Appendix VIII Qualified Ultrasonic Examination Systems	N-780
Alternative Requirements for Visual Examinations, VT-1, VT-2, and VT-3	N-686
Alternative Requirements for Wall Thickness Restoration of Class 2 and 3 Carbon Steel Piping for Raw Water Service	N-661
Alternative Requirements for Wall Thickness Restoration of Class 2 and High Energy Class 3 Carbon Steel Piping	N-561
Alternative Requirements for Wall Thickness Restoration of Class 3 Moderate Energy Carbon Steel Piping	N-562
Alternative Requirements to Categories B-G-1, B-G-2, and C-D Bolting Examination Methods and Selection Criteria	N-652
Alternative Requirements to Stress-Based Selection Criteria for Category B-J Welds	N-609
Alternative Rules for Repair by Electrochemical Deposition of Classes 1 and 2 Steam Generator Tubing	N-569
Alternative Rules for Repair of Classes 1, 2, and 3 Austenitic Stainless Steel Piping	N-504
Alternative Rules for Selection of Classes 1, 2, and 3 Vessel Welded Attachments for Examination	N-700
Alternative to Augmented Examination Requirements of IWE-2500	N-647
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	N-805
Alternative to Inspection Interval Scheduling Requirements of IWA-2430	N-765
Alternative to IWA-5244 Requirements for Buried Piping	N-776
Alternative to QA Program Requirements of IWA-4142	N-878
Analytical Evaluation of Metal Loss in Class 2 and 3 Metallic Piping Buried in a Back-Filled Trench	N-806
Application of Risk-Informed Insights to Increase the Inspection Interval for Pressurized Water Reactor Vessels	N-691
Austenitic Stainless Steel Cladding and Nickel Base Cladding Using Ambient Temperature Machine GTAW Temper Bead Technique	N-829
Clarification of NDE Practical Examination Requirements	N-867
Class 1 Socket Weld Examinations	N-712
Class 3 Nonmetallic Cured-In-Place Piping	N-589
Corrective Action for Leakage Identified at Bolted Connections	N-566
Direct Use of Master Fracture Toughness Curve for Pressure-Retaining Materials of Class 1 Vessels	N-830
Dissimilar Metal Welds Joining Vessel Nozzles to Components	N-799
Evaluation Criteria for Temporary Acceptance of Degradation in Moderate Energy Class 2 or 3 Vessels and Tanks	N-705
Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping	N-513
Evaluation of Pipe Wall Thinning	N-597

Subject	Case
Section XI, Division 1	
Rules for Inservice Inspection of Nuclear Power Plant Components (Cont'd)	
Evaluation Procedure and Acceptance Criteria for PWR Reactor Vessel Head Penetration Nozzles	N-694
Examination Requirements for Steam Generator Nozzle-to-Vessel Welds	N-593
Examination Requirements for the Core Makeup Tanks	N-873
Experience Credit for Ultrasonic Examiner Certification	N-784
Fatigue Crack Growth Rate Curves for Ferritic Steels in PWR Water Environment	N-643
Ferritic and Dissimilar Metal Welding Using SMAW Temper Bead Technique Without Removing the Weld Bead Crown for the First Layer	N-651
Flaw Tolerance Evaluation of Cast Austenitic Stainless Steel Piping	N-838
Full Structural Dissimilar Metal Weld Overlay for Repair or Mitigation of Class 1, 2, and 3 Items	N-740
In Situ VT-3 Examination of Removable Core Support Structure Without Removal	N-849
In-Place Dry Annealing of a PWR Nuclear Reactor Vessel	N-557
Lighting Requirements for Surface Examination	N-685
Location of Ultrasonic Depth-Sizing Flaws	N-537
Method for Determining Maximum Allowable False Calls When Performing Single-Sided Access Performance Demonstration in Accordance With, Appendix VIII, Supplements 4 and 6	N-683
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	N-733
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
Optimized Structural Dissimilar Metal Weld Overlay for Mitigation of PWR Class 1 Items	N-754
Partial Excavation and Deposition of Weld Metal for Mitigation of Class 1 Items	N-847
Performance Demonstration Requirements for Examination of Unclad Reactor Pressure Vessel Welds, Excluding Flange Welds	N-664
Pipe Specific Evaluation Procedures and Acceptance Criteria for Flaws in Piping that Exceed the Acceptance Standards	N-494
Pressure Testing of Containment Penetration Piping	N-751
Pressurized Water Reactor (PWR) Examination and Alternative Examination Requirements for Pressure Retaining Welds in Control Rod Drive and Instrument Nozzle Housings	N-697
Purchase, Exchange, or Transfer of Material Between Nuclear Plant Sites	N-528
PWR Class 1 Primary Piping Alloy 600 Full Penetration Branch Connection Weld Metal Buildup for Material Susceptible to Primary Water Stress Corrosion Cracking	N-853
Qualification Requirements for Bolts and Studs	N-845
Qualification Requirements for Dissimilar Metal Piping Welds	N-695
Qualification Requirements for Full Structural Overlaid Wrought Austenitic Piping Welds	N-653
Qualification Requirements for Mandatory Appendix VIII Piping Examinations Conducted From the Inside Surface	N-696
Qualification Requirements for Ultrasonic Examination of Wrought Austenitic Piping Welds	N-658
Quality Assurance Program Requirements for Owners	N-517
Reactor Vessel Head-to-Flange Weld Examinations	N-747
Reference Fatigue Crack Growth Rate Curves for Austenitic Stainless Steels in Pressurized Water Reactor Environments	N-809
Repair of Classes 1 and 2 SB-163, UNS N06600 Steam Generator Tubing	N-576

<u>Subject</u>	<u>Case</u>
Section XI, Division 1	
Rules for Inservice Inspection of Nuclear Power Plant Components (Cont'd)	
Repair Welding Using Automatic or Machine Gas Tungsten-Arc Welding (GTAW) Temper Bead Technique	N-432
Repair/Replacement Activity Documentation Requirements and Inservice Inspection Summary Report Preparation and Submission	N-532
Risk-Informed Requirements for Class 1, 2, or 3 Piping, Method A	N-577
Risk-Informed Requirements for Class 1, 2, or 3 Piping, Method B	N-578
Risk-Informed Safety Classification for Use in Risk-Informed Repair/Replacement Activities	N-660
Roll Expansion of Class 1 Control Rod Drive Bottom Head Penetrations in BWRs	N-730
Roll Expansion of Class 1 In-Core Housing Bottom Head Penetrations in BWRs	N-769
Rotation of Snubbers and Pressure Retaining Items for the Purpose of Testing or Preventive Maintenance	N-508
Similar and Dissimilar Metal Welding Using Ambient Temperature Automatic or Machine Dry Underwater Laser Beam Welding (ULBW) Temper Bead Technique	N-803
Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	N-638
Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique for BWR CRD Housing/Stub Tube Repairs	N-606
Similar and Dissimilar Metal Welding Using Ambient Temperature SMAW Temper Bead Technique	N-839
Successive Inspections	N-624
Successive Inspections of Class 1 and 2 Piping Welds	N-735
Temper Bead Procedure Qualification Requirements for Repair/Replacement Activities Without Postweld Heat Treatment ...	N-762

<u>Subject</u>	<u>Case</u>
Section XI, Division 1	
Rules for Inservice Inspection of Nuclear Power Plant Components (Cont'd)	
Third Party NDE Certification Organizations	N-788
Third-Party NDE Certification for Non-U.S. Plant Sites	N-868
Transfer of Welder, Welding Operator, Brazier, and Brazing Operator Qualifications Between Owners	N-600
Ultrasonic Examination in Lieu of Radiography	N-713
Ultrasonic Examination in Lieu of Radiography for Welds in Ferritic Pipe	N-831
Ultrasonic Examination of Cast Austenitic Piping Welds From the Outside Surface	N-824
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)	N-613
Ultrasonic Examination of Full Penetration Vessel Weld Joints in Figures IWB-2500-1 Through IWB-2500-6	N-826
Underwater Welding	N-516
Use of a Reactor Pressure Vessel as a Transportation Containment System	N-618
Vision Tests	N-753
Visual Examination	N-823
Visual Examinations for PWR Pressure Retaining Welds in Class 1 Components Fabricated With Alloy 600/82/182 Materials ..	N-722
Weld Overlay of Class 1, 2, and 3 Socket Welded Connections ..	N-666
Section XI, Division 3	
Rules for Inspection and Testing of Components of Liquid-Metal-Cooled Plants	
Alternative Inservice Inspection Requirements for Liquid-Metal Reactor Passive Components	N-875

APPLICABILITY INDEX FOR SECTION XI CASES

(17)

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

Code Case No.	Title	Applicability	
		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	Examination — Acceptance Standards for Surface Indications in Cladding	1974 Edition with the Summer 1974 Addenda	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 1977 Addenda
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 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		
	(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 No.	Title	Applicability	
		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 1976 Addenda
	(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	Rules for Ultrasonic Examination of Bolts and Studs	1971 Edition	1983 Edition
N-389	Alternative Rules for Repairs, Replacements, or Modifications	1974 Edition with the Summer 1975 Addenda	1986 Edition with the 1987 Addenda
N-389-1	Alternative Rules for Repairs, Replacements, or Modifications	1974 Edition with the Summer 1975 Addenda	1992 Edition with the 1993 Addenda
N-390	Evaluation Criteria for Flaws Located in a Flange or Shell Region Near a Structural Discontinuity	1974 Edition with the Summer 1975 Addenda	1983 Edition with the Summer 1983 Addenda

Code Case No.	Title	Applicability	
		From	Up to and Including
N-401	Eddy Current Examination	1974 Edition with the Summer 1976 Addenda	1989 Edition with the 1989 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	1989 Edition with the 1989 Addenda
N-402-1	Eddy Current Calibration Standards	1980 Edition with the Winter 1980 Addenda	1989 Edition with the 1989 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	1977 Edition with the Summer 1978 Addenda	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 Edition with the Winter 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	1986 Edition with the 1986 Addenda
N-432	Repair Welding Using Automatic or Machine Gas Tungsten-Arc Welding (GTAW) Temper Bead Technique	1971 Edition with the 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	1971 Edition with the Summer 1973 Addenda	2015 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	
		From	Up to and Including
No.	Title		
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	1983 Edition	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	1989 Edition with the 1990 Addenda
N-485-1	Eddy Current Examination of Coated Ferritic Surfaces as an Alternative to Surface Examination	1980 Edition with the Winter 1981 Addenda	1995 Edition
N-486	Inservice Inspection, Repair, and Replacement Requirements for Class MC and Metallic Liners of Class CC Components	1974 Edition	1989 Edition

Code Case No.	Title	Applicability	
		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
N-490-1	Alternative Vision Test Requirements for Nondestructive Examiners	1974 Edition with the Summer 1975 Addenda	1989 Edition with the 1990 Addenda
N-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
N-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
N-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
N-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
N-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
N-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
N-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
N-494-4	Pipe Specific Evaluation Procedures and Acceptance Criteria for Flaws in Piping that Exceed the Acceptance Standards	1983 Edition	2001 Edition
N-495	Hydrostatic Testing of Relief Valves	1977 Edition	1989 Edition with the 1990 Addenda
N-496	Helical-Coil Threaded Inserts	1977 Edition with the Summer 1978 Addenda	1989 Edition with the 1990 Addenda
N-496-1	Helical-Coil Threaded Inserts	1977 Edition with the Summer 1978 Addenda	1995 Edition
N-496-2	Helical-Coil Threaded Inserts	1977 Edition with the Summer 1978 Addenda	1998 Edition
N-498	Alternative Rules for 10-Year Hydrostatic Pressure Testing for Class 1 and 2 Systems	1974 Edition with the Summer 1975 Addenda	1992 Edition with the 1992 Addenda
N-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
N-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
N-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
N-498-4	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
N-503	Limited Certification of Nondestructive Examination Personnel	1977 Edition with the Summer 1978 Addenda	1992 Edition
N-504	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping	1977 Edition with the Summer 1978 Addenda	1986 Edition with the 1987 Addenda
N-504-1	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping	1977 Edition with the Summer 1978 Addenda	1995 Edition
N-504-2	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping	1977 Edition with the Summer 1978 Addenda	1995 Edition with the 1995 Addenda
N-504-3	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping	1977 Edition with the Summer 1978 Addenda	2004 Edition
N-504-4	Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping	1977 Edition with the Summer 1978 Addenda	2004 Edition with the 2006 Addenda
N-508	Rotation of Serviced Snubbers and Pressure Relief Valves for the Purpose of Testing	1977 Edition	1989 Edition with the 1990 Addenda
N-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 No.	Title	Applicability	
		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	2013 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 End Welds of Pressurized Water Reactor (PWR) Vessel	1977 Edition	1995 Edition
N-522	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	1974 Edition with the Summer 1975 Addenda	1995 Edition
N-526	Alternative Requirements for Successive Inspections of Class 1 and 2 Vessels	1974 Edition	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 No.	Title	Applicability	
		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	1977 Edition	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	1995 Edition
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 No.	Title	Applicability	
		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-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-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	2015 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	2015 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
N-576-1	Repair of Class 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 Class 1 and 2 SB-163, UNS N06600 Steam Generator Tubing	1995 Edition with the 1996 Addenda	2015 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

Code Case No.	Title	Applicability	
		From	Up to and Including
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	2015 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	2015 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	Requirements for Analytical Evaluation of Pipe Wall Thinning	1974 Edition	2015 Edition
N-597-3	Evaluation of Pipe Wall Thinning	1974 Edition	2015 Edition
N-598	Alternative Requirements to Required Percentages of Examinations	1977 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	1989 Edition	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
N-606	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1977 Edition with the Summer 1978 Addenda	2004 Edition
N-606-1	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique for BWR CRD Housing/Stub Tube Repairs	1977 Edition with the Summer 1978 Addenda	2015 Edition
N-606-2	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique for BWR CRD Housing/Stub Tube Repairs	1977 Edition with the Summer 1978 Addenda	2015 Edition
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	2010 Edition

Code Case No.	Title	Applicability	
		From	Up to and Including
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	2015 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-616	Alternative Requirements for VT-2 Visual Examination of Classes 1, 2, and 3 Insulated Pressure-Retaining Bolted Connections	1983 Edition with the Winter 1984 Addenda	2001 Edition with the 2002 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	2015 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-629	Use of Fracture Toughness Test Data to Establish Reference Temperature for Pressure Retaining Materials	1977 Edition with the Summer 1978 Addenda	2010 Edition with the 2011 Addenda
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	2004 Edition
N-638-4	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2015 Edition [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	2015 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (c)]
N-638-6	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2015 Edition [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	2015 Edition
N-638-8	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique	1980 Edition with the Winter 1981 Addenda	2015 Edition
N-639	Alternative Calibration Block Material	1986 Edition with the 1987 Addenda	2015 Edition

Code Case No.	Title	Applicability	
		From	Up to and Including
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	2015 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	2015 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	2015 Edition
N-648-2	Alternative Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles	1983 Edition with the Winter 1983 Addenda	2015 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	2013 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	2015 Edition
N-653-2	Qualification Requirements for Full Structural Overlaid Wrought Austenitic Piping Welds	1989 Edition with the 1989 Addenda	2015 Edition
N-654	Acceptance Criteria for Flaws in Ferritic Steel Components 4 in. and Greater in Thickness	1974 Edition	2015 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	2015 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
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	2015 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

Code Case No.	Title	Applicability	
		From	Up to and Including
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	2015 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	Alternative Requirements for Visual Examinations, VT-1, VT-2, 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-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	1983 Edition	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	Qualification Requirements for Dissimilar Metal Piping Welds	2001 Edition	2013 Edition
N-696	Qualification Requirements for Appendix VIII Piping Examinations Conducted From the Inside Surface	1989 Edition with the 1989 Addenda	2001 Edition with the 2003 Addenda
N-696-1	Qualification Requirements for Mandatory Appendix VIII Piping Examinations Conducted From the Inside Surface	2001 Edition	2015 Edition
N-697	Pressurized Water Reactor (PWR) Examination and Alternative Examination Requirements for Pressure Retaining Welds in Control Rod Drive and Instrument Nozzle Housings	1977 Edition	2001 Edition with the 2003 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-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	2015 Edition
N-706	Alternative Examination Requirements to Table IWB-2500-1 and Table IWC-2500-1 for PWR Stainless Steel Residual and Regenerative Heat Exchangers	1977 Edition	2004 Edition with the 2005 Addenda
N-706-1	Alternative Examination Requirements to Table IWB-2500-1 and Table IWC-2500-1 for PWR Stainless Steel Residual and Regenerative Heat Exchangers	1977 Edition	2010 Edition with the 2011 Addenda
N-711	Alternative Examination Coverage Requirements for Examination Category B-F, B-J, C-F-1, C-F-2, and R-A Piping Welds	1989 Edition	2015 Edition
N-712	Class 1 Socket Weld Examinations	1986 Edition	2010 Edition with the 2011 Addenda
N-713	Ultrasonic Examination in Lieu of Radiography	1986 Edition	2015 Edition
N-716	Alternative Piping Classification and Examination Requirements	1989 Edition	2004 Edition with the 2006 Addenda
N-716-1	Alternative Piping Classification and Examination Requirements	1995 Edition	2015 Edition
N-722	Additional Examinations for PWR Pressure Retaining Welds in Class 1 Components Fabricated With Alloy 600/82/182 Materials	1980 Edition	2013 Edition
N-722-1	Additional Examinations for PWR Pressure Retaining Welds in Class 1 Components Fabricated With Alloy 600/82/182 Materials	1980 Edition	2015 Edition

Code Case No.	Title	Applicability	
		From	Up to and Including
N-722-2	Visual Examinations for PWR Pressure Retaining Welds in Class 1 Components Fabricated With Alloy 600/82/182 Materials	1980 Edition	2015 Edition
N-729	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds	1980 Edition	2004 Edition
N-729-1	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds	1980 Edition	2004 Edition
N-729-2	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds	1980 Edition	2004 Edition
N-729-3	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds	1995 Edition with the 1996 Addenda	2015 Edition
N-729-4	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds	1995 Edition with the 1996 Addenda	2015 Edition
N-729-5	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds	1995 Edition with the 1996 Addenda	2015 Edition
N-729-6	Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds	1995 Edition with the 1996 Addenda	2015 Edition
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	2015 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (e)]
N-731	Alternative Class 1 System Leakage Test Pressure Requirements	1989 Edition	2015 Edition
N-733	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	1983 Edition	2015 Edition [see Guideline for Cross-Referencing Section XI, Table 1, General Note (f)]
N-735	Successive Inspections of Class 1 and 2 Piping Welds	1995 Edition with the 1996 Addenda	2015 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	Reactor Vessel Head-to-Flange Weld Examination	1989 Edition	2015 Edition
N-749	Alternative Acceptance Criteria for Flaws in Ferritic Steel Components Operating in the Upper Shelf Temperature Range	1998 Edition with the 2000 Addenda	2015 Edition
N-751	Pressure Testing of Containment Penetration Piping	1989 Edition	2015 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	2015 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

Code Case No.	Title	Applicability	
		From	Up to and Including
N-755-2	Use of Polyethylene (PE) Plastic Pipe	1995 Edition with the 1995 Addenda	2015 Edition
N-755-3	Use of Polyethylene (PE) Plastic Pipe	1995 Edition with the 1995 Addenda	2015 Edition
N-755-4	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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 Edition
N-771	Alternative Requirements for Additional Examinations of Class 2 or 3 Items	1992 Edition	2015 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

Code Case No.	Title	Applicability	
		From	Up to and Including
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	2015 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	2015 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	2015 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	2015 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	2015 Edition
N-788	Third Party NDE Certification Organizations	1995 Edition	2015 Edition
N-788-1	Third Party NDE Certificate Organization	1995 Edition	2015 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	2015 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	2015 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	2015 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	2015 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	2015 Edition
N-806-1	Analytical Evaluation of Metal Loss in Class 2 and 3 Metallic Piping Buried in a Back-Filled Trench	1995 Edition	2015 Edition
N-809	Reference Fatigue Crack Growth Rate Curves for Austenitic Stainless Steels in Pressurized Water Reactor Environments	1989 Edition with the 1989 Addenda	2015 Edition
N-813	Alternative Requirements for Preservice Volumetric and Surface Examination	1989 Edition	2013 Edition
N-823	Visual Examination	2001 Edition with the 2003 Addenda	2010 Edition with the 2011 Addenda
N-823-1	Visual Examination	2001 Edition with the 2003 Addenda	2013 Edition
N-824	Ultrasonic Examination of Cast Austenitic Piping Welds From the Outside Surface	2001 Edition	2013 Edition
N-825	Alternative Requirements for Examination of Control Rod Drive Housing Welds	1995 Edition with the 1996 Addenda	2013 Edition
N-826	Ultrasonic Examination of Full Penetration Vessel Weld Joints in Figures IWB-2500-1 Through IWB-2500-6	1995 Edition with the 1996 Addenda	2015 Edition

Code Case No.	Title	Applicability	
		From	Up to and Including
N-829	Austenitic Stainless Steel Cladding and Nickel Base Cladding Using Ambient Temperature Machine GTAW Temper Bead Technique	1995 Edition with the 1996 Addenda	2013 Edition
N-830	Direct Use of Master Fracture Toughness Curve for Pressure-Retaining Materials of Class 1 Vessels	1992 Edition	2015 Edition
N-831	Ultrasonic Examination in Lieu of Radiography for Welds in Ferritic Pipe	1995 Edition with the 1996 Addenda	2015 Edition
N-838	Flaw Tolerance Evaluation of Cast Austenitic Stainless Steel Piping	1989 Edition with the 1989 Addenda	2015 Edition
N-839	Similar and Dissimilar Metal Welding Using Ambient Temperature SMAW Temper Bead Technique	1995 Edition with the 1996 Addenda	2013 Edition
N-840	Cladding Repair by Underwater Electrochemical Deposition in Class 1 and 2 Applications	1995 Edition with the 1996 Addenda	2015 Edition
N-842	Alternative Inspection Program for Longer Fuel Cycles	2007 Edition with the 2008 Addenda	2015 Edition
N-843	Alternative Pressure Testing Requirements Following Repair/ Replacement Activities for Class 1 Piping Between the First and Second Injection Isolation Valves	1980 Edition	2015 Edition
N-845	Qualification Requirements for Bolts and Studs	1995 Edition with the 1996 Addenda	2013 Edition
N-845-1	Qualification Requirements for Bolts and Studs	1995 Edition with the 1996 Addenda	2015 Edition
N-847	Partial Excavation and Deposition of Weld Metal for Mitigation of Class 1 Items	1995 Edition with the 1996 Addenda	2015 Edition
N-848	Alternative Characterization Rules for Quasi-Laminar Flaws	1989 Edition with the 1989 Addenda	2015 Edition
N-849	In Situ VT-3 Examination of Removable Core Support Structures Without Removal	2007 Edition with the 2008 Addenda	2015 Edition
N-851	Use of Fracture Toughness Test Data to Establish Reference Temperature for Pressure Retaining Materials	1977 Edition with the Summer 1978 Addenda	2015 Edition
N-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	2015 Edition
N-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
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	2015 Edition
N-873	Examination Requirements for the Core Makeup Tanks	1998 Edition	2015 Edition
N-875	Alternative Inservice Inspection Requirements for Liquid-Metal Reactor Passive Components	1995 Edition	2015 Edition
N-878	Alternative to QA Program Requirements of IWA-4142	1998 Edition with the 2000 Addenda	2017 Edition

NOTES:

- (1) Applies to the 1974 Edition of Section V.
- (2) Applies to the 1974 Edition with the Winter 1976 Addenda of Section V.
- (3) Applies to the 1980 Edition of Section V.