

**AKKUYU NÜKLEER SANTRALİNİN LİSANSLANMASINDA ESAS ALINACAK
MEVZUAT, KILAVUZ VE STANDARTLAR LİSTESİ**

SÜRÜM 2

(List of Licensing Basis for Akkuyu Nuclear Power Plant)

(Revision 2)

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A. Requirements

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i. TAEK Regulations

Laws

1	Law on Turkish Atomic Energy Authority (Türkiye Atom Enerjisi Kurumu Kanunu), No: 2690, 9/7/1982	1982	General requirements
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Decrees

1	Decree on Licensing of Nuclear Installations (Nükleer Tesislere Lisans Verilmesine İlişkin Tüzük), No: 83/7405, 18/11/1983	1983	General requirements
2	Decree on Radiation Safety (Radyasyon Güvenliği Tüzüğü) No: 18861, 7/9/1985	1985	General requirements

Regulations

1	Regulation on Working Procedures of Atomic Energy Commission (Atom Enerjisi Komisyonu Çalışma Esasları Yönetmeliği), No: 17927, 13/1/1983	1983	General requirements
2	Regulation on the Establishment and Working Procedures of Advisory Committee on Nuclear Safety (Nükleer Güvenlik Danışma Komitesinin Kuruluş ve Çalışma Yöntemleri Yönetmeliği), No: 23106, 10/9/1997	1997	General requirements
3	Regulation on Radiation Safety (Radyasyon Güvenliği Yönetmeliği), No: 23999, 24/03/2000	1985	General requirements
4	Regulation on Physical Protection of Nuclear Materials and Nuclear Facilities (Nükleer Tesislerin ve Nükleer Maddelerin Fiziksel Korunması Yönetmeliği), No: 28300, 22/5/2012	2012	General requirements
5	Regulation on Accounting for and Control of Nuclear Materials (Nükleer Madde Sayım ve Kontrol Yönetmeliği), No: 28308, 30/5/2012	2012	General requirements
6	Regulation on Basic Requirements on Quality Management for the Safety of Nuclear Installations (Nükleer Tesislerin Güvenliği için Kalite Yönetimi Temel Gereklere Yönetmeliği), No: 26642, 13/9/2007	2007	General requirements
7	Regulation on Nuclear Safety Inspections and Enforcement (Nükleer Güvenlik Denetimleri ve Yaptırımları Yönetmeliği), No: 26642, 13/9/2007	2007	General requirements
8	Regulation on Safe Transport of Radioactive Material (Radyoaktif Maddenin Güvenli Taşınması Yönetmeliği), No: 25869, 8/7/2005	2005	General requirements
9	Regulation on Nuclear and Radiological National Emergency Preparedness (Nükleer ve Radyolojik Tehlike Durumu Ulusal Uygulama Yönetmeliği), No: 23934, 15/1/2000	2000	General requirements
10	Regulation on Specific Principles for Safety of Nuclear Power Plants (Nükleer Güç Santrallerinin Güvenliği için Özel İlkeler Yönetmeliği), No: 27027, 17/10/2008	2008	General requirements

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11	Regulation on Design Principles for Safety of Nuclear Power Plants (Nükleer Güç Santrallerinin Güvenliği için Tasarım İlkeleri Yönetmeliği), No: 27027, 17/10/2008	2008	Design
12	Regulation on Site of a Nuclear Power Plant (Nükleer Güç Santrali Sahalarına İlişkin Yönetmelik), No: 27176, 21/3/2009	2009	Engineering survey
13	Regulation on Issuing Document Base to Export Permission for Nuclear and Nuclear Dual Use Items (Nükleer ve Nükleer Çift Kullanımlı Eşyaların İhracatında İzne Esas Olacak Belgenin Verilmesine İlişkin Yönetmelik), No: 26642, 13/9/2007	2007	General requirements
14	Regulation on Protection of Outside Workers in Controlled Areas from the Risks of Ionizing Radiation (Kontrollü Alanlarda Çalışan Harici Görevlilerin İyonlaştırıcı Radyasyondan Kaynaklanabilecek Risklere Karşı Korunmasına Dair Yönetmelik), No: 27968, 18/6	2011	Commissioning & Operation
15	Regulation on Radioactive Waste Management (Radyoaktif Atık Yönetimi Yönetmeliği), No: 28582, 9/3/2013	2013	General requirements
16	Regulation on Clearance in Nuclear Facilities and Release of Site from Regulatory Control (Nükleer Tesislerde Serbestleştirme ve Sahanın Düzenleyici Kontrolüden Çıkarılmasına İlişkin Yönetmelik), No: 28582, 9/3/2013	2013	Decommissioning

ii. Other Turkish Regulations

Laws

1	Environmental Law (Çevre Kanunu), No: 2872, 9/8/1983	1983	General requirements
2	Law on Establishment and Duties of the Disaster and Emergency Management Presidency (Afet ve Acil Durum Yönetimi Başkanlığı Teşkilat ve Görevleri Hakkında Kanun), No: 5902, 29/5/2009	2009	General requirements
3	Law on Work Permits for Foreigners (Yabancıların Çalışma İzinleri Hakkında Kanun), No: 4817, 27/2/2003	2003	General requirements
4	Aquatic Products Law (Su Ürünleri Kanunu), No: 1380, 22/3/1971	1971	General requirements
5	Agriculture Law (Tarım Kanunu), No: 5488, 18/4/2006	2006	General requirements
6	Law of Public Works - Construction Law - Law on Land Development and Control (İmar Kanunu), No: 3194, 3/5/1985	1985	General requirements
7	Settlement Law (İskan Kanunu), No: 5543, 19/9/2006	2006	General requirements
8	Law on Military Forbidden Zones and Security Areas (Askeri Yasak Bölgeler ve Güvenlik Bölgeleri Kanunu), No: 2565, 18/12/1981	1981	General requirements
9	Law on Protection Against Floods and Inundations (Taşkın Suları ve Su Baskınlarına Karşı Korunma Kanunu), No: 4373, 14/1/1943	1943	General requirements
10	Law on Establishment and Duties of the General Directorate of State Hydraulic Works (Devlet Su İşleri Genel Müdürlüğü'nün Teşkilat ve Görevleri Hakkında Kanun), No: 6200, 18/12/1953	1953	General requirements

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11	Ground Water Law (Yeraltı Suları Hakkında Kanunu), No: 167, 16/12/1960	1960	General requirements
12	Law on Establishment and Duties of the Ministry of Interior (İçişleri Bakanlığı Teşkilat ve Görevleri Hakkında Kanun), No: 3152, 14/02/1985	1985	General requirements
13	Law on Civil Defense (Sivil Savunma Kanunu), No: 7126, 9/6/1958	1958	General requirements
14	Identity Notification Law (Kimlik Bildirme Kanunu), No: 1774, 26/06/1973	1973	General requirements
15	Law on Private Security Services (Özel Güvenlik Hizmetlerine Dair Kanun), No: 5188, 10/06/2004	2004	General requirements
16	Residence and Travel for Foreigners in Turkey (Yabancıların Türkiye'de İkamet ve Seyahatleri Hakkında Kanun), No: 5683, 15/07/1950	1950	General requirements
17	Passport Law (Pasaport Kanunu), No: 5682, 15/07/1950	1950	General requirements
18	Law on Response to Emergencies and Compensation of Losses in Case of Pollution of Marine Environment due to Petroleum and Other Harmful Substances (Deniz Çevresinin Petrol ve Diğer Zararlı Maddelerle Kirlenmesinde Acil Durumlarda Müdahale ve Zararların Tazmini Esaslarına Dair Kanun), No: 5312, 3/3/2005	2005	General requirements
19	Law on Preparation and Implementation of Technical Regulations on Products (Ürünlere İlişkin Teknik Mevzuatın Hazırlanması ve Uygulanmasına Dair Kanun), No: 4703, 29/6/2001	2001	General requirements
20	Law on Construction Inspection (Yapı Denetimi Hakkında Kanun), No: 4708, 29/6/2001	2001	General requirements
21	Law on Road (Land, Highway) Transport (Karayolu Taşıma Kanunu), No: 4925, 10/07/2003	2003	General requirements
22	Turkish Criminal (Penal) Law (Türk Ceza Kanunu), No: 5237, 26/9/2004	2004	General requirements
23	Road (Highway) Traffic Law (Karayolları Trafik Kanunu), No: 2918, 13/10/1983	1983	General requirements
24	Coastal Law (Kıyı Kanunu), No: 3621, 4/4/1990	1990	General requirements
25	Law on Provincial Administration (İl İdaresi Kanunu), No: 5442, 10/06/1949	1949	General requirements
26	Code of Criminal Procedure (Ceza Muhakemesi Kanunu), No: 5271, 17/12/2004	2004	General requirements

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27	Law on Security Investigations, Return of the Rights of Civil Servants That are Dismissed for Some Reasons and People That are not Taken for Public Office Because of Some Reasons Given and the Law Amending the Martial Law No. 1402 (Güvenlik Soruşturması, Bazı Nedenlerle Görevlerine Son Verilen Kamu Personeli İle Kamu Görevine Alınmayanların Haklarının Geri Verilmesine Ve 1402 Numaralı Sıkıyönetim Kanununda Değişiklik Yapılmasına İlişkin Kanun),No: 4045, 26/10/1994	1994	General requirements
Decrees			
1	Decree on Rules and Procedures for Production, Import, Transport, Storage, Sales, Use, Disposal and Inspection of explosives and hunting equipment (Tekel Dışı Bırakılan Patlayıcı Maddelerle Av Malzemesi ve Benzerlerinin Üretimi, İthali, Taşınması, Saklanması, Depolanması, Satışı, Kullanılması, Yok Edilmesi, Denetlenmesi Usul ve Esaslarına İlişkin Tüzük), No: 87/12028, 14/08/1987	1987	General requirements
2	Decree on Arrangements and Measures Related to Civil Defense (Sivil Savunma İle İlgili Teşkil ve Tedbirler Tüzüğü), No: 6/3150, 5/6/1964	1964	General requirements
Regulations			
1	Regulation on Disaster and Emergency Planning Services (Afet ve Acil Durum Planlama Hizmetleri Yönetmeliği), No: 2013/5703, 18/12/2013	2013	General requirements
2	Regulation on Shelters (Sığınak Yönetmeliği), No: 19910, 25/8/1988	1988	General requirements
3	Regulation on Missions of Chemical, Biological, Radiological and Nuclear Hazards (Kimyasal, Biyolojik, Radyolojik ve Nükleer Tehlikelere Dair Görev Yönetmeliği), No: 28281,3/5/2012	2012	General requirements
4	Regulation on the Employment of Foreign Personnel in Foreign Direct Investments (Doğrudan Yabancı Yatırımlarda Yabancı Personel İstihdamı Hakkında Yönetmelik), No: 25214, 29/8/2003	2003	General requirements
5	Regulation on Electricity Network (Elektrik Şebeke Yönetmeliği), No: 29013, 28/5/2014	2014	General requirements
6	Regulation on High Current Electricity Facilities (Elektrik Kuvvetli Akım Tesisleri Yönetmeliği), No: 24246,30/11/2000	2000	General requirements
7	Regulation on Fishery Products (Su Ürünleri Yönetmeliği), No: 22223, 10/3/1995	1995	General requirements
8	Regulation on Road Traffic (Karayolları Trafik Yönetmeliği), No: 23053, 18/7/1997	1997	General requirements
9	Regulation on Parking (Otopark Yönetmeliği), No: 21624, 1/7/1993	1993	General requirements
10	Regulation on Internal Electric Wiring (Elektrik İç Tesisleri Yönetmeliği), No: 18565, 4/11/1984	1984	General requirements

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11	Regulation on Buildings to be Constructed on the Earthquake Regions (Deprem Bölgelerinde Yapılacak Binalar Hakkında Yönetmelik), No: 26454, 6/3/2007	2007	General requirements
12	Regulation on Environmental Impact Assessment (Çevresel Etki Değerlendirmesi Yönetmeliği), No: 28784, 03/10/2013	2008	General requirements
13	Regulation on the Protection of Groundwater Against Pollution and Degradation (Yeraltı Sularının Kirlenmeye Ve Bozulmaya Karşı Korunması Hakkında Yönetmelik), No: 28257, 7/4/2012	2012	General requirements
14	Regulation on Environmental Permits and Licenses to be taken in Accordance with Environmental Law, (Çevre Kanunu'nca Alınması Gereken İzin ve Lisanslar Hakkında Yönetmelik), No: 27214, 29/4/2009	2009	General requirements
15	Regulation on Opening Workplace and Working Licenses (İşyeri Açma ve Çalışma Ruhsatlarına İlişkin Yönetmelik), No: 2005/9207, 14/7/2005	2005	General requirements
16	Regulation on Fire Protection of Buildings (Binaların Yangından Korunması Hakkında Yönetmelik), No: 26735 19/12/2007	2007	General requirements
17	Regulations on Firearms, Knives and Other Tools (Ateşli Silahlar ve Bıçaklar ile Diğer Aletler Hakkında Yönetmelik), No: 91/1779, 21/3/1991	1991	General requirements
18	Regulation on Implementation of Identity Reporting (Kimlik Bildirme Kanununun Uygulanması ile İlgili Yönetmelik), No: 14944, 13/7/1974	1974	General requirements
19	Regulation on Implementation of Law on Work Permits for Foreigners (Yabancıların Çalışma İzinleri Hakkında Kanunun Uygulama Yönetmeliği), No: 25214, 29/8/2003	2003	General requirements
20	Regulation on Municipal Fire Department (Belediye İtfaiye Yönetmeliği), No: 26326, 21/10/2006	2006	General requirements
21	Regulation on Implementation of the Law on Emergency Response and Compensation Principles in Case of Pollution of the Marine Environment by Oil and Other Harmful Substances (5312 sayılı "Deniz Çevresinin Petrol ve Diğer Zararlı Maddelerle Kirlenmesinde Acil Durumlarda Müdahale ve Zararların Tazmini Esaslarına Dair Kanun"un Uygulama Yönetmeliği), No: 26326, 21/10/2006 (26150 26.04.2006)	2006	General requirements
22	Regulation on Taking the Waste from the Ships and Control of Wastes (Gemilerden Atık Alınması ve Atıkların Kontrolü Yönetmeliği), No: 25682, 26/12/2004	2004	General requirements
23	Regulation on Control of Pollution from Hazardous Substances in Water and its Environment (Tehlikeli Maddelerin Su ve Çevresinde Neden Olduğu Kirliliğin Kontrolü Yönetmeliği), No: 26005, 26/11/2005	2005	General requirements
24	Regulation on Control of Soil Pollution and Sites Polluted by Point Source (Toprak Kirliliğinin Kontrolü ve Noktasal Kaynaklı Kirlenmiş Sahalara Dair Yönetmelik), No: 27605, 8/6/2010	2010	General requirements

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25	Regulation on Water Intended for Human Consumption (İnsani Tüketim Amaçlı Sular Hakkında Yönetmelik), No: 25730, 17/2/2005	2005	General requirements
26	Regulation on Road (Highway) Traffic (Karayolu Taşıma Yönetmeliği), 27255, 11/6/2009	2009	General requirements
27	Regulation on Implementation of Coastal Law (3621 Sayılı Kıyı Kanununun Uygulanmasına Dair Yönetmelik), No: 20594, 3/8/1990	1990	General requirements
28	Regulation on Construction Materials (Yapı Malzemeleri Yönetmeliği), No: 28703, 10/07/2013	2013	General requirements
29	Regulation on Control of Excavation Soil, Construction and Demolition Waste (Hafriyat Toprağı, İnşaat ve Yıkıntı Atıklarının Kontrolü Yönetmeliği), No: 25406, 18/3/2004	2004	General requirements
30	Regulation on Electricity Facility Projects (Elektrik Tesisleri Proje Yönetmeliği), No: 27434, 16/12/2009	2009	General requirements
31	Regulation on Grounding of Electrical Installations, (Elektrik Tesislerinde Topraklamalar Yönetmeliği), No: 24500, 21/8/2001	2001	General requirements
32	Regulation on Energy Performance of Buildings (Binalarda Enerji Performansı Yönetmeliği), No: 27075, 5/12/2008	2008	General requirements
33	Regulation on Military Forbidden Zones and Security Areas (Askeri Yasak Bölgeler ve Güvenlik Bölgeleri Yönetmeliği), No: 18033, 30/04/1983	1983	General requirements
34	Regulation on Implementation of Law on Private Security Services (Özel Güvenlik Hizmetlerine Dair Kanunun Uygulanmasına İlişkin Yönetmelik), No: 25606, 07/10/2004	2004	General requirements
35	Regulation on Protection Against Sabotages (Sabotajlara Karşı Koruma Yönetmeliği), No: 20033, 28/12/1988	1988	General requirements
36	Issued by the Council of Ministers No. 6/3048 "Principles About the Security of Classified Document and the Gadgets" (6/3048 sayılı Bakanlar Kurulu kararı ile yürürlüğe konulan "Gizlilik Dereceli Evrak ve Gerecin Güvenliği Hakkında Esaslar"), 13/05/1964	1964	General requirements
37	Regulation on Security Investigations and the Archive Research (Güvenlik Soruşturması ve Arşiv Araştırması Yönetmeliği), No: 2000/284, 14/02/2000	2000	General requirements
38	Regulation on Water Pollution Control (Su Kirliliği Kontrol Yönetmeliği), No: 25687, 31/12/2004	2004	General requirements

2. IAEA Fundamentals and Requirements

Safety Fundamentals

1	Fundamental Safety Principles, Series No. SF-1, 2006	2006	General requirements
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General Safety Requirements

1	Preparedness and Response for a Nuclear or Radiological Emergency Safety Requirements, Series No. GS-R-2, 2002	2002	Operation
2	The Management System for Facilities and Activities Safety Requirements, Series No. GS-R-3, 2006	2006	General requirements

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3	Governmental, Legal and Regulatory Framework for Safety General Safety Requirements Part 1, Series No. GSR Part 1, 2010	2010	General requirements
4	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards General Safety Requirements Part 3 GSR Part 3, 2014	2011	General requirements
5	Safety Assessment for Facilities and Activities General Safety Requirements Part 4, Series No. GSR Part 4, 2009	2009	General requirements
6	Predisposal Management of Radioactive Waste General Safety Requirements Part 5, Series No. GSR Part 5, 2009	2009	Design & Operation
7	Decommissioning of Facilities General Safety Requirements Part 6 GSR Part 6, 2014	2006	Decommissioning

Specific Requirements

1	Safety of Nuclear Power Plants: Design, Series No. SSR-2/1, 2012	2012	Design
2	Safety of Nuclear Power Plants: Commissioning and Operation, Series No. SSR-2/2, 2011	2011	Commissioning & Operation
3	Site Evaluation for Nuclear Installations Safety Requirements, Series No. NS-R-3, 2003	2003	Engineering survey
4	Disposal of Radioactive Waste, SSR-5, 2011	2011	Operation
5	Regulations for the Safe Transport of Radioactive Material, 2009 Edition, Series No. SSR-6, 2012	2012	Operation

3. Russian Federation Regulations

Laws

1	On the Use of Atomic Energy, with Amendments and Supplements No.170-FZ, 1995	1995	General requirements
2	On the Protection of the Population and Territories Against Emergencies of Natural and Man Caused Origin No.68-FZ,	1994	General requirements
3	On Fire Safety, with Amendments No.69-FZ, 1994	1994	General requirements
4	On Ecologic Review, with Amendments No.174-FZ, 1995	1995	General requirements
5	On Radiation Safety of the Population No.3-FZ, 1996	1996	General requirements
6	On Industrial Safety of Hazardous Production Facilities, with Amendments and Supplements No.116-FZ, 1997	1997	General requirements
7	On Special Ecological Programs of Remediation of Territories with Radioactive Contamination No.92-FZ, 2001	2001	General requirements
8	On the Protection of the Environment No.7- FZ, 2002	2002	General requirements
9	On Technical Regulation No.184- FZ, 2002	2002	General requirements
10	Federal Law on Licensing of Individual Type of Activities No.99-FZ of May 04, 2011 (as revised on 02/07/2013 No.185-FZ)	2011	General requirements
11	Safety of Buildings and Structures Technical Regulations, No.384-FZ, 30/12/2009	2009	General requirements

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12	Technical Procedure on Fire Safety Requirements No123-FZ, 22/07/2008	2008	General requirements
13	On Ensuring of Measurements Unification, No. 102-FZ, 26/06/2008	2008	General requirements
14	Technical Regulation of the Customs Union "Safety of Low Voltage Equipment", TR TS 004/2011	2011	General requirements
15	On Safety of Hydrotechnical Structures, No. 117-FZ d.d. 21/07/97	1997	General requirements
16	On Countering Terrorism No. 35-FZ, 2006	2006	Operation
17	On Health-Epidemiological Well Being of Population No. 52-FZ, 1999	1999	General requirements
18	On Radioactive Waste Treatment, No.190-FZ of 11/07/2011	2011	General requirements
19	Regulations on the Discipline of Employees of Organizations Operating Highly Radiation Hazardous and Nuclear Hazardous Production Facilities in the Sphere of Nuclear Energy, No. 35-FZ, dd 08/03/2011	2011	Operation

Documents of the RF President

1	On the Control of Export from the Russian Federation of Nuclear Material, Equipment and Production Technologies No.312, 1992	1992	Operation
2	On the Operating Organization of Nuclear Power Plants of the Russian Federation No.1055, 1992	1992	Operation
3	On the Fulfillment by the Russian Federation of Intergovernmental Agreements on Cooperation in Construction of Nuclear Power Plants Abroad No.472, 1993	1993	General requirements
4	On the Perfection of the Management of the Enterprises of Nuclear Fuel Cycle No.166, 1996	1996	Operation
5	On the Approval of the List of Nuclear Material, Equipment, Special Non-Nuclear Material and Relevant Production Technologies, Subject to Export Control No.202, 1996	1996	Operation
6	On the Guarantees of Safe and Sustainable Functioning of Nuclear Power Industry in the Russian Federation No.1012, 1996	1996	Operation
7	On the Perfection of State Management in the Area of Fire Safety No.1309, 2001	2001	Operation
8	On Special Commission on the Issues of Import of Irradiated Fuel Assemblies of Foreign Manufacture to the Territory of the Russian Federation No. 828, 2001	2001	Operation
9	On the Approval of the Statute of the Special Commission on the Issues of Import of Irradiated Fuel Assemblies of Foreign Manufacture to the Territory of the Russian Federation and Its Composition No. 858, 2003	2003	Operation

Documents of the RF Government

1	Regulations on the Order of Import to Russia of Spent Fuel Assemblies of Nuclear Reactors, N 418 of July 11, 2003	2003	Operation
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2	On the Measures for the Fulfillment of the Decree of the President of the Russian Federation of February 8, 1996 No. 166 “On the Perfection of the Management of the Enterprises of Nuclear Fuel Cycle” No. 677, 1996	1996	Operation
3	On the Routine for the Development of Radiation Hygiene Certificates “Passports” of Organizations and Territories No. 93, 1997	1997	Operation
4	On the List of Medical Contra-Indications and the List of Positions Which are Covered by the Above Contra-Indications, as well as on the Requirements for Performing Medical Examinations and Psycho-Physiological Tests of the Workers of Nuclear Facilities No. 233, 1997	1997	Operation
5	On the Approval of the List of the Positions of the Workers of Nuclear Facilities Who Must Get the Permission of the Federal Supervision of Russia for Nuclear and Radiation Safety for the Right of Performing Works in the Area of Atomic Energy Use No. 240, 1997	1997	Commissioning & Operation
6	On the Approval of the Rules of Physical Protection of Nuclear Material, Nuclear Installations and Nuclear Material Storage Facilities No. 456, 2007	2007	General requirements
7	On the Rules for Decision-Making on Siting and Construction of Nuclear Facilities, Radiation Sources and Storage Facilities No.306, 1997	1997	General requirements
8	Decree of the RF Government “Licensing of Activities in the Field of Atomic Energy Use” No.280 of March 29, 2013 (as revised by Decree of the RF Government №1225 of 24.12.2013	2013	General requirements
9	On the Approval of the Regulation on the Development and Approval of Federal Norms and Rules in the Area of Use of Atomic Energy and the List of Federal Norms and Rules in the Area of Use of Atomic Energy No. 1511, 1997	1997	General requirements
10	Rules of Organization and Implementation of Industrial Supervision of Compliance with the Industrial Safety Requirements at the Hazardous Industrial Facility (as amended by the Resolutions of the RF Government of 01.02.2005 No.49 and of 21.06.2013 No.526)	2013	Operation
11	On Export and Import of Nuclear Material, Equipment, Special Non-Nuclear Material and Relevant Production Technologies No. 973, 2000 (Resolutions of Governments dated 21.08.2001 N 612, 03.10.2002 N 731, 04.02.2005 N 54, 15.12.2006 N 771, 31.10.2007 N 724, 06.11.2008 N 806, 30.03.2009 N 266, 15.06.2009 N 484, 26.07.2010 N 560, 12.10.2010 N 826)	2000	Operation
12	On the Approval of the Regulation on Executing Control of Foreign Trade Activities in Relation to the Dual-Purpose Equipment and Materials as well as Relevant Production Technologies Used for Nuclear Purposes No. 462, 2001	2001	General requirements

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13	On the approval of the Statute of the Federal Environmental, Industrial and Nuclear Supervision Service No. 401, 2004	2002	General requirements
14	Administrative Regulation on Implementation of the State Function for Carried out by Personnel of Nuclear Energy Uses Object by the Federal Environmental, Industrial and Nuclear Supervision Service—approved by Rostekhnadzor on December 21, 2011, Order No. 721	2008	General requirements
15	Administrative Regulation on Implementation of the State Function of Licensing Activities in the Field of Nuclear Energy by the Federal Environmental, Industrial and Nuclear Supervision Service—approved by Minprirody of Russia on October 16, 2008, Order No. 262	2008	General requirements
16	Order of Rostekhnadzor No.480 of August 19, 2011 “Approval of Procedures of Technical Investigations of the Causes of Accidents, Incidents and Loss of Industrial Explosives at Facilities Supervised by The Federal Service of Ecological, Technological and Nuclear Supervision”	2011	General requirements
17	Order for justification of applicability for construction purposes of new materials, products, structures and technologies, Gosstroy of Russia No.76 d.d. 01.07.2002	1997	General requirements
18	On composition of design documentation sections and requirements to its contents, No. 87 d.d. 16.02.2008	2008	Design
19	Order of the Prime Minister from 21.06.2010 No.1047-p List of National Standards and Codes as a Result of Which is Provided on a Compulsory Basis, Compliance with the Requirements of the Federal Law of 30.12.2009 No.384-FZ	2010	General requirements
20	Decision of the Commission of the Customs Union No. 823 of October 18, 2011 on Acceptance of the Technical Regulation of the Customs Union “Safety of Machinery and Equipment” Technical Regulation of the Customs Union TR TS 010/2011 “Safety of Machinery and Equipment”	2011	General requirements
21	Decree of the RF Government of 19.10.2012 No.1069 “Criteria for Rating Solid, Liquid and Gaseous Wastes as Radioactive Wastes, Criteria for Rating Radioactive Wastes as Special Radioactive Wastes and Removable Radioactive Wastes and Criteria for Classification of Removable Radioactive Wastes”	2012	Design
22	Resolution of "Rosatom" State Corporation and Rostekhnadzor No. 06-4421 of 01.01.2012 "On Procedure and Scope of Performance of Assessments of Compliance of Equipment, Products, Components, Materials and Semi-Finished Products Supplied to Nuclear Power Plants"	2012	Construction

Item	Title and designation	Issue year	Stages
23	A Unified List of the Positions of NPP Employees for Which Permission Shall be Received from the Federal Service for Environmental, Technological, and Nuclear Supervision on Carrying Out Works in the Field of Atomic Energy Utilization (Rosatom State Atomic Energy Corporation's Order No. 884 dated 15.12.2009).	2009	Design
24	Uniform Qualifying Directory for Managers, Specialists and Other Employees. Approved by the Order of Ministry of Health and Social Development of Russia from April 23, 2008, № 188 (amended on 12 February 2014) Section "Qualifying Characteristics Posts Managers and Specialists of Architecture and Urban Development"	2014	Design
25	Decree of RF Government No. 390 dated 25.04.2012 "About the Taking of Fire Protection Measures" (together with the Fire Safety Regulations in the Russian Federation)	2012	Design
26	The Procedure of Training to Labor Protection and Checking the Knowledge of Labor Protection Requirements in Enterprise Employees (Decree of RF Labor and Education Ministries No. 1/29 dated 13.01.2003).	2003	General requirements

Norms and Rules in Nuclear and Radiation Safety

1	PNAE G-01-011-97, NP-001-97 (OPB-88/97) General Regulations on Ensuring Safety of Nuclear Power Plants	1997	General requirements
2	NP-087-11 "Requirements for NPP Emergency Power Supply Systems"	2011	Design
3	PNAE G-7-008-89 Rules of Arrangement and Safe Operation of Equipment and Pipelines for Nuclear Power Facilities	1989	Design & Operation
4	PNAE G-7-003-87 Rules of Certification of Welders of Equipment and Pipelines for Nuclear Power Facilities	1987	Operation
5	SanPin 2.6.1.2523-09 NRB-99/2009. Radiation Safety Standards	2009	Engineering survey & Design
6	PNAE G-5-40-97 (NP-003-97) Requirements to Full Scope Simulators for Training of NPP Control Room Operators	1997	Operation
7	NP-004-08 Regulation on Order of Investigation and Accounting of NPP Operational Events	2008	Operation
8	NP-005-98 Regulation on the Order of Emergency Annunciation, Operative Information Transfer and Arrangement of Urgent Assistance to Nuclear Power Plants in Case of Radiologically Hazardous Situations	1998	Operation
9	NP-012-99 Rules to Ensure Safety of NPP Unit Decommissioning	1999	Decommissioning
10	NP-014-2000 Rules for Investigation and Accounting of Events Occurred During Handling of Radioactive Substances and Ionization Sources Applicable in General Economy	2000	Operation
11	NP-015-12 General Contents of the Plan of Activities for NPP Personnel Protection in Case of Accident	2012	Operation

Item	Title and designation	Issue year	Stages
12	NP-020-2000 Collection, Reprocessing, Storage and Conditioning of Solid Radioactive Wastes. Safety Requirements	2000	Design & Operation
13	NP-021-2000 Management of Gaseous Radioactive Wastes. Safety Requirements	2000	Design & Operation
14	NP-026-04 Requirements for Control Systems Important to the Safety of Nuclear Power Plants	2004	Operation
15	NP-030-12 General Rules for Accounting and Inspecting of Nuclear Materials	2012	Operation
16	NP-032-01 Nuclear Power Plant Siting. Main Criteria and Safety Requirements	2001	Engineering survey
17	NP-034-01 Rules for Physical Protection of Ionization Sources, Storage Facilities and Radioactive Substances	2001	Operation
18	NP-035-02 Spent Nuclear Fuel Dry Storage Facilities. Safety Requirements	2002	Operation
19	NP-036-05 Rules for Design and Operation of NPP Safety Significant Ventilation Systems	2005	Design & Operation
20	NP-038-11 General Provisions to Ensure Safety of Radiation Sources.	2011	Operation
21	NP-045-03 Rules for Design and Safe Operation of Steam and Hot Water Pipelines at Nuclear Power Facilities	2003	Design & Operation
22	NP-046-03 Rules for Design and Safe Operation Steam and Water Heating Boilers at Nuclear Power Facilities	2003	Operation
23	NP-053-04 Safety Rules for Transportation of Radioactive Materials	2004	Design & Operation
24	NP-055-04 Deposition of Radioactive Waste. Principles, Criteria and General Safety Requirements	2004	Design & Operation
25	NP-058-04 Safety of Radioactive Waste Management. General Provisions	2004	Design & Operation
26	NP-064-05 Consideration of External Natural and Man-Caused Impacts on Projects of Nuclear Power Application	2005	Engineering survey & Design
27	NP-061-05 Safety Rules at Nuclear Fuel Storage and Transporting at Nuclear Power Utilization Facilities	2005	Design & Operation
28	NP-067-11 General Rules for Accounting and Reporting of Radioactive Substances in the Organization	2011	Design & Operation
29	NP-070-06 Rules for Design and Safe Operation of Equipment and Pipelines at Nuclear Power Facilities	2006	Design & Operation
30	NP-071-06 Rules for Compliance Assessment of the Equipment, Spareparts, Materials and Subproducts to be Deliverable to the Nuclear Power Facilities	2006	Design & Operation
31	NP-073-11 Rules for Physical Protection of Radioactive Substances and Ionization Sources During Transportation	2012	Operation
32	NP-074-06 Requirements to Ensure Preparedness for Emergency Aftermath Mitigation During Transportation of Nuclear Materials and Radioactive Substances	2006	Operation

Item	Title and designation	Issue year	Stages
33	NP-040-02 Regulations for Ensuring Hydrogen Explosion Protection at a Nuclear Power Station	2002	Design & Operation
34	NP-019-2000 Collection, Reprocessing, Storage and Conditioning of Liquid Radioactive Wastes. Safety Requirements	2000	Design & Operation
35	NP-002-04 Safety Regulations for Handling Radioactive Wastes from Nuclear Power Stations	2004	Design & Operation
36	NP-031-01 Standards for Design of Seismic Resistant Nuclear Power Plant	2001	Engineering survey & Design
37	NP 34-70-118-87 Standards for Design of Thermal Insulation for Equipment and Pipelines of Nuclear and Fossil Fuel Power Plants	1987	Design
38	NPB 114-2002 Fire Protection of Nuclear Power Plants. Design regulations	2002	Design
39	NPB 113-2003 Fire Safety of Nuclear Power Plants. General Requirements	2003	Design
40	NPB 105-03 Determining the Categories of Premises, Buildings, and Outdoor Installations as to Explosion-Fire and Fire Safety	2003	Design
41	NPB 151-2000, "Fire-Fighting Cabinets. Technical Requirements of Fire Safety. Test Methods"	2000	Design
42	NPB 152-2000, "Fire Equipment. Fire Hose. Technical Requirements of Fire Safety. Test Methods"	2000	Design
43	NPB 154-2000, "Fire Equipment. Fire Valves. Technical Fire Safety Requirements. Test Methods"	2000	Design
44	NPB 160-97 "Signal Colors. Fire Safety Signs. Types. Dimensions. Common Technical Demands"	1997	Design
45	NPB 238-97 Flame-Retardant Cable Coating. General Technical Requirements and Test Methods	1997	Design
46	NPB 242-97 "Classification and Test Methods of Electrical Cable Line Fire Hazard"	1997	Design
47	PPB AS-2011 Fire Safety Regulations in NPP Operation.	2011	Operation
48	SP 2.6.1.2612-10 (OSPORB-99/2010) Basic Sanitary Rules for Ensuring Radiation Safety	2010	Design & Operation
49	SanPin 2.6.1.24-03 Sanitary Rules for Nuclear Plants Design and Operation (SP AS-03)	2003	Design & Operation
50	Sanitary and Technical Requirements for Design and Operation of District Heating Systems (STT SOT AS-91 Supplement to SP AS-88/93)	1991	Design
51	SP 2.6.6.1168-02 (SPORO-2002) Sanitary Rules for Radioactive Waste Management	2002	Design & Operation
52	SP 2.6.6.2572-2010 "Radiation Safety When Managing NPP Industrial Wastes Containing Technogenic Radionuclides"	2010	Design
53	SanPiN 2.2.8.46-03 Sanitary Rules for Decontamination of Individual Protection Aids	2003	Operation
54	SanPiN 2.2.8.48-03 Respiratory Individual Protection Aids for the Personnel of Radiation Hazardous Facilities	2003	Design & Operation

Item	Title and designation	Issue year	Stages
55	SanPiN 2.2.8.49-03 Skin Individual Protection Aids for the Personnel of Radiation Hazardous Facilities	2003	Operation
56	SanPiN 2.1.4.1110-02 Sanitary Protection Zones of Water Supply Sources and Drinking Water Supply Lines. Sanitary Standards	2002	Design
57	SanPiN 2.1.5.980-00 Hygienic Requirements for Surface Water Protection	2000	Design
58	SanPiN 2.2.1/2.1.1.1200-03 Sanitary and Protection Zones and Sanitary Classification of Enterprises, Buildings and Other Facilities. Sanitary and Epidemiological Rules and Standards	2003	Design
59	SanPiN 2.6.1.1281-03 Sanitary Rules for Personnel and Public Radiation Protection During Transportation of Radioactive Materials (Substances)	2003	Operation
60	PNAE G-7-009-89 Equipment and Pipelines for Nuclear Power Facilities. Welding and Overlay Cladding. Basic Provisions	1989	Design & Construction & Operation
61	PNAE G-7-010-89 Equipment and Pipelines for Nuclear Power Facilities. Welding Joints and Overlay Cladding. Basic Provisions	1989	Design & Construction & Operation
62	PNAE G-7-002-86 Norms of Strength Calculation for Pipelines for Nuclear Power Facilities	1986	Design & Operation
63	PNAE G-7-025-90 Steel Castings for Nuclear Power Facilities. Rules of Control.	1990	Construction & Operation
64	PNAE G-10-031-92 Main Provisions on Welding of NPP Localizing Safety Systems Elements	1992	Design & Construction & Operation
65	PNAE G-10-032-92 Rules of Control of NPP Localizing Safety Systems Elements Welded Joints	1992	Design & Construction & Operation
66	PNAE G-7-014-89 Unified Methods of Control of Main Materials Semi-Finished Items, Welded Joints and Overlay Cladding of Equipment and Pipelines for Nuclear Power Facilities. UT. Control of Main Materials Semi-Finished Items	1989	Construction & Operation
67	PNAE G-7-015-89 Unified Methods of Control of Main Materials Semi-Finished Items, Welded Joints and Overlay Cladding of Equipment and Pipelines for Nuclear Power Facilities. MPT	1989	Construction & Operation
68	PNAE G-7-016-89 Unified Methods of Control of Main Materials Semi-Finished Items, Welded Joints and Overlay Cladding of Equipment and Pipelines for Nuclear Power Facilities. Visual and instrumentation inspection	1989	Construction & Operation
69	PNAE G-7-017-89 Unified Methods of Control of Main Materials Semi-Finished Items, Welded Joints and Overlay Cladding of Equipment and Pipelines for Nuclear Power Facilities. Radiographic testing	1989	Construction & Operation

Item	Title and designation	Issue year	Stages
70	PNAE G-7-018-89 Unified Methods of Control of Main Materials Semi-Finished Items, Welded Joints and Overlay Cladding of Equipment and Pipelines for Nuclear Power Facilities. Capillary testing	1989	Construction & Operation
71	PNAE G-7-019-89 Unified Methods of Control of Main Materials Semi-Finished Items, Welded Joints and Overlay Cladding of Equipment and Pipelines for Nuclear Power Facilities. Tightness testing. Gas- and liquid- involving methods	1989	Construction & Operation
72	PNAE G-7-030-91 Unified Methods of Control of Main Materials Semi-Finished Items, Welded Joints and Overlay Cladding of Equipment and Pipelines for Nuclear Power Facilities. UT. Testing of welded joints and overlay cladding	1991	Construction & Operation
73	PNAE G-7-031-91 Unified Methods of Control of Main Materials Semi-Finished Items, Welded Joints and Overlay Cladding of Equipment and Pipelines for Nuclear Power Facilities. UT. Monometal, bimetal and corrosion-protection coating thickness measurement	1991	Construction & Operation
74	PNAE G-7-032-92 Unified Monitoring Control of Main Materials (prefabricated elements), Welded Joints, and Hard-Facing of NPP Equipment and Pipelines, Ultrasound Monitoring, Monitoring of Welded Joints from Austenite Class Steel	1992	Construction & Operation
75	PNAE G-10-007-89 Regulations on Design of Reinforced Concrete Structures in NPP Localization Safety Systems	1989	Design
76	PNAE G-10-012-89 Standards for Strength Computation of Steel Protective Vessels at Nuclear Power Plants	1989	Operation
77	NP-086-12 Codes for the Design and Safe Operation of Reactivity Control Actuators.	2012	Operation
78	NP-010-98 Rules for Arrangement and Operation of Nuclear Power Plant Localizing Safety Systems	1998	Design & Operation
79	NP-068-05 Pipeline Valves for NPPs. General Technical Requirements	2005	Design & Operation
80	NP-044-03 Codes for the Design and Safe Operation of Pressure Vessels at Nuclear Power Facilities	2003	Design & Operation
81	NP-043-11 Rules of Arrangement and Safe Operation of Lifting Cranes for Nuclear Facilities	2011	Design & Operation
82	PiN AE 5.10-87. Rules and Regulations in Atomic Energy. Foundations for the reactor compartments of nuclear power plants	1987	Engineering survey
83	PiN AE-5.6 1986 Standards of NPP construction designing for different types of reactors	1986	General requirements
84	NP-082-07 Nuclear Safety Rules for Reactor Installations of Nuclear Power Plants	2007	General requirements
85	NP-006-98 (PNAE G-01-036-95) Requirements to Contents of Safety Analysis Report of Nuclear Power Plant with VVER Reactors	1998	General requirements

Item	Title and designation	Issue year	Stages
86	PNAE G-14-038-96 Requirements to Safety Analysis Report of Radioactive Waste Storage Facilities with Respect to Accounting of External Hazardous Impacts	1996	Design
87	NP-090-11 Requirements for Quality Assurance Programs for Nuclear Facilities	2011	General requirements
88	PBYa-06-09-90 Nuclear Safety Rules for Storage and Transportation of Nuclear Hazardous and Fission Materials	1990	Operation
89	PBYa-06-10-99 Rules for Design and Operation of Self-Sustaining Chain Reaction Emergency Alarm System and Arrangement of the Activities to Mitigate its Aftermath	1999	Design
90	NRP-93 Standards for Strength Computation of Transportation Packing Sets for Nuclear Fission Materials	1993	Operation
91	SPPNAE-93 (i.4.2.) Requirements to the Development of Feasibility Study for Construction of a Nuclear Power Plant. Regulation on the Order of Site Selection	1993	Design
92	ST GO AS-92 Sanitary Requirements to the Order of the Personnel Access into Containment During Operation of the NPP Unit with VVER-1000	1992	Operation
93	RB-002-97 (RB G-12-43-97) Water Chemistry of Nuclear Power Plants. General Safety Requirements.	1997	Design & Operation
94	RB-004-98 Requirements to Certification of NPP Safety Significant Control Systems	1998	Operation
95	RB-005-98 Requirements to Certification of Safety Significant Construction Structures at Nuclear Power Facilities	1998	Construction
96	RB-007-99 Accounting of Fast Neutron Fluence in VVER Vessels and Witness Specimen for Further Forecasting of the Vessel Radiation Lifetime	1999	Operation
97	RB-009-99 Methodology for Assessment of Physical Protection Vulnerability at Nuclear Materials and Facilities	1999	Operation
98	RB-013-2000 Requirements to the NPP Unit Decommissioning Program	2000	Decommissioning
99	RB-018-01 Methodology of Neutron Monitoring at External Surface of the NPP Pressurized Water Reactor Vessels	2001	Operation
100	RB-019-01 Evaluation of Seismic Hazards of Sites Intended for Nuclear and Radiation Hazardous Installations Based on Geodynamic Data	2001	Engineering survey
101	RB-020-01 Methodology for Assessment of Iodine Atmospheric Releases During Accidents at VVER-1000 NPPs	2001	Operation
102	RB-023-02 Recommendations for Establishment of Acceptability Criteria for Storage and Deposition of the Conditioned Radioactive Waste	2002	Operation
103	RB-036-06 Monitoring of Geotechnical Conditions of Siting of Nuclear Fuel Cycle Facilities	2006	Engineering survey

Item	Title and designation	Issue year	Stages
104	RB-039-07 Ensuring of Safety in Transportation of Radioactive Materials (Reference materials to the Rules of Ensuring of Safety in Transportation of Radioactive Materials, NP-053-04)	2007	Operation
105	RB-046-08 Safety Guides. Monitoring of Meteorological and Aerological Conditions in Nuclear Facility Host Regions	2008	Engineering survey
106	RB-054-09 Regulation on Contents and Composition of the Radiation Safety Report for the Organizations Applied Radionuclide Sources	2009	Operation
107	STO 1.1.1.01.0678-2007 General Rules for Ensuring Operation of Nuclear Power Plants	2007	Design & Operation
108	RTD 2730.300.02-91 Equipment and Pipelines of Nuclear Power Facilities. Welding, Deposition and Thermal Treatment of Weld Joints, Parts Made of Steels 10GN2MFA, 10GN2MFAL, 15X2NMFA and 15X2NMFA-A	1991	Operation
109	TPKME-20-96 General Program for Inspection of Metal Mechanical Features in the Pipelines of VVER-1000 NPPs After 100 thousand Hours of Operation	1996	Operation
110	RB-064-11 Regulation on Structure and Contents of Safety Analysis Report for radioactive sources. (Issued from 30.06.2011)	2011	Construction
111	Sanitary Rules for Industrial and Household Laundries for Decontamination of Special Cloths and Other Aids of Individual Protection, 1989 (Approved by the Chief State Medical Officer of USSR, A.I. Kondrusev, December 29, 1989 N 5163-89)	1989	Operation
112	NP-080-07 Main Requirements for Fuel Rods and Fuel Assemblies with Uranium-Plutonium (MOX) Fuel for Nuclear Plants	2007	Design
113	NP-017-2000 Basic Requirements For Nuclear Power Plant Unit Lifetime Extension	2000	Operation
114	NP-024-2000 Requirements for the Analysis of Potential Extension of the Assigned Service Life of Nuclear Facilities	2000	Operation
115	NP-072-06 Rules for Transferring Nuclear Materials to the Category of Radioactive Waste	2006	Operation & Decommissioning
116	SP 2.6.1.28-2000 Radiation Safety Rules at Nuclear Power Plant Operations (PRB AS-99)	2000	Design & Operation & Decommissioning
117	RB-056-10 Regulation on Physical Inventory of Nuclear Materials	2010	Operation
118	RB-027-04 Structure and Content of Report on the Results of Comprehensive Examination of a Nuclear Unit for the Purpose of Its Lifetime Extension	2004	Operation
119	RB-028-04 Analysis of Non-conformance of a Nuclear Plant Unit to the Requirements of Existing Regulatory Documents	2004	Operation
120	RB-029-04 Structure and Substantiation of Materials for the Justification of Residual Lifetime of Nuclear Unit Elements for the Purpose of Its Lifetime Extension	2004	Operation

Item	Title and designation	Issue year	Stages
121	RB-030-04 Analysis of Operating Experience when Extending Nuclear Unit Lifetime	2004	Operation
122	RB-031-04 Structure and Content of the Safety Analysis Report for Nuclear Unit Decommissioning	2004	Decommissioning
123	RB-001-05 Recommendations on the Content of the In-depth Safety Assessment Report for Operating Nuclear Units (OUOB AS)	2005	Operation
124	Interim Rules for Calculating the Strength of the Internals of VVER, 1993 (Approved by the USSR State Committee of for Atomic Energy Use, 01.01.1993)	1993	Design
125	Interim rules for calculating the strength of the elements of control and protection of water-moderated reactors, 1993 (Approved by the USSR State Committee of for Atomic Energy Use, 01.01.1993)	1993	Design
126	STK-5-2005 Nuclear Reactors. Organizational and Technical Procedure for Developing and Putting in the Production of Active Zones and Their Constituent Parts, TVEL, 2005	2005	Construction
127	M-TPR-01-93 Methods of Calculation of Pipelines of Nuclear Power Installations within the Framework of the "Leak Before Break" Concept.	1993	Construction & Operation
128	ATPE-9-03 Standard Program on Operational Monitoring of Main Metal Condition and Condition of Welded Joints of Equipment and Pipelines of Nuclear Power Plants with VVER-1000 (with supplement No: 1)	2003	Operation
129	The Principal Requirements to the Instrumentation Means of Control of Nuclear Safety Parameters, Minatomenrgoprom of the USSR, 1991	1991	Design
130	STEO-06-44-2005 On the Order of Acquisition and Operational Training of Plant Personnel, Rosenergoatom, 2005	2005	Operation
131	Unified Skills Guide for Positions of Managers, Specialists and Non-Manual Workers, Section "Job Descriptions of Positions of Employees of the Nuclear Industry Organizations" (Order of the RF Ministry of Public Health and Social Development of December 10, 2009, №977 on Approval of the Unified Skills Guide for Positions of Managers, Specialists and Non-Manual Workers, Section "Job Descriptions of Positions of Employees of the Nuclear Industry Organizations")	2001	Operation
132	NP-083-07 Requirements for Physical Protection Systems of Nuclear Materials, Nuclear Facilities and Nuclear Storage Facilities	2007	Design
133	SanPin 2.6.1.07-03 Sanitary Requirements for Design of Nuclear Facilities and Projects (SPP PUAP-03)	2003	Design
134	NP-081-07 Requirements for Setting up Material Balance Areas.	2007	Design
135	Recommendations MI 2453-2000 Radiation Monitoring Techniques	2000	Design

Item	Title and designation	Issue year	Stages
136	STO 1.1.1.03.002.0912-2012 Regulations on Design of Constructions Sealed Enclosures Zone Accident Localization of NPP with Dual Containment	2012	Design

4. Third Party Regulations

To be determined later

B. Standards

1. Turkish National Standards

1	TS EN 60964 Nuclear Power Plants - Control rooms - Design	2010	Design
2	TS EN 60965 Nuclear Power Plants - Control Rooms - Supplementary Control Points for Reactor Shutdown without Access to the Main Control Room"	2011	Design
3	TS EN 60987 Nuclear Power Plants - Instrumentation and Control Important to Safety - Hardware Design Requirements for Computer-Based Systems	2010	Design
4	TS EN 61226 Nuclear Power Plants - Instrumentation and Control Important to Safety - Classification of Instrumentation and Control Functions	2010	Design
5	TS EN 62138 Nuclear Power Plants - Instrumentation and Control Important for Safety - Software Aspects for Computer-Based Systems Performing Category B or C Functions	2010	Design

2. APC Proposed Standards

International Standards

1	IEC 60639 1979 Nuclear Reactors – Use of the Protection System for Non-Safety Purposes	1979	Design
2	IEC 60643 1979 Application of Digital Computers to Nuclear Reactor Instrumentation and Control	1979	Design
3	IEC 60709-2004 Nuclear Power Plants - Instrumentation and Control Systems Important to Safety – Separation	2004	Design
4	IEC 60812 1985-07 Analysis Technique for System Reliability – Procedure for Failure Mode and Effect Analysis FMEA	2007	Design
5	IEC 60860 1987 Warning Equipment for Criticality Accidents	1987	Design
6	IEC 60960 1988 Functional Design Criteria for a Safety Parameter Display System for NPP	1988	Design
7	IEC 61025 1990-10 Fault Tree Analysis FTA	1990	Design
8	IEC 61500 1996 Nuclear Power Plants - Instrumentation and Control Systems Important for Safety -Functional Requirements for Multiplexed Data Transmission	1996	Design
9	IEC 61508-1,2,4 1998 / 2000 Functional safety of Electrical / Electronic / Programmable Electronic Safety-Related Systems, Part 1, 2, 4	1998	Design
10	IEC 61513-2011 Nuclear Power Plants – Instrumentation and Control Important to Safety - General Requirements for Systems	2011	Design
11	IEC 60605 1978 Equipment Reliability Testing. Part 1: General Requirements	1978	Design

Item	Title and designation	Issue year	Stages
12	IEC 60671 1980-01 Periodic Tests and Monitoring of the Protection System of Nuclear Reactors	1980	Design
13	IEC 60780 1998-10 Nuclear Power Plants - Electrical Equipment of the Safety System - Qualification	1998	Design
14	EN / IEC 61000-4 1995-02 Electromagnetic Compatibility EMC Series, VDE 0847 Ed. 1.0 to Ed. 2	1995	Design
15	ISO 9001:2008 Quality Management Systems - Requirements	2008	Design
16	ISO 10007:2003 - Quality management systems - Guidelines for configuration management	2003	Design
17	ISO 9000:2005 - Quality Management Systems - Fundamentals and Vocabulary	2005	Design
18	IEC 60980 1989-06 Recommended Practices for Seismic Qualification of Electrical Equipment of the Safety System for Nuclear Generating Stations	1989	Design
19	IEC 60880 1986-09 Software for Computers in the Safety Systems of Nuclear Power Stations	1986	Design
20	IEC 60880-2 2000-12 Software for Computers Important to Safety for Nuclear Power Plants Part 2: Software Aspects of Defense Against Common Cause Failures, Use of Software Tools and of Pre-Developed Software	2000	Design
21	IEC 61131 Series 1992-10 Ed. 1.0, Programmable Controllers	1992	Design
22	IEC 61326 2002-02, Electrical Equipment for Measurements, Control and Laboratory Use Ed. 2.0 -EMC Requirements	2002	Design
23	EN 1990 Basis of Design	1990	Design
24	EN 1991 Eurocode 1: Actions on Structures	1991	Design
25	EN 1992 Eurocode 2: Design of Concrete Structures	1992	Design
26	EN 1993 Eurocode 3: Design of Steel Structures	1993	Design
27	EN 1994 Eurocode 4: Design of Composite Steel and Concrete Structures	1994	Design
28	EN 1996 Eurocode 6: Design of Masonry Structures	1996	Design
29	EN 1997 Eurocode 7: Geotechnical Design	1997	Design
30	EN 1998 Eurocode 8: Design of Structures for Earthquake Resistance	1997	Design
31	IEC 61869-1(2007) Instrument Transformers - Part 1: General Requirements	2013	Design
32	IEC 61869-2(2012) Instrument Transformers - Part 2: Additional Requirements for Current Transformers	2013	Design
33	IEC 61869-3(2011) Instrument Transformers - Part 3: Additional Requirements for Inductive Voltage Transformers	2008	Design
34	IEC 61869-4(2013) Instrument Transformers - Part 4: Additional Requirements for Combined Transformers	2002	Design
35	IEC 60214-2(2004) Tap-Changers - Part 2: Application Guide	1976	Design
36	IEC 61771:1995 Nuclear Power Plants – Main Control-Room-Verification and Validation of Design	1995	Design

Item	Title and designation	Issue year	Stages
37	IEC 61839:2000 Nuclear Power Plants. Design of Control Rooms. Functional Analysis and Assignment	2000	Design
38	IEEE 387-1995 (R 2001) Unified IEEE Technical Requirements for Diesel-Generator Units used as Standby Sources of Power Supply at Nuclear Power Plants	1995	Design
39	IEEE 317-1983 IEEE Standard for Electric Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations	2013	Design
40	ISO 10645-92 Calculation of Decay Heat Power in Nuclear Fuels of Light Water Reactors	1992	Design
41	IEC 60034-5-2006 Ed 4.1 Rotating Electrical Machines - Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP code) - Classification	2006	Design
Russian National Standards			
1	GOST 26291-84 Reliability of NPPs and Their Equipment. General Provisions and Indicators Nomenclature	1984	Design
2	GOST R 51102-97 Protective Polymeric Decontaminated Coatings. General Technical Requirements	1997	Design
3	GOST 14254-96 Degrees of Protection Provided by Enclosures (IP code)	1996	Design
4	GOST 17137-87 Systems of Monitoring, Control and Protection at Nuclear Reactors. Terms and Definitions.	1987	Design
5	GOST 17138-81 Equipment for in-Core Fuel Integrity Monitoring in the Reactors of Nuclear Power Plants. General Technical Requirements and Methods of Testing	1981	Design
6	GOST 17516.1-90 Electrotechnical Products. General Requirements for Resistance to External Mechanical Impacts	1990	Design
7	GOST 23765-79 Equipment of Radiation Safety Monitoring at Nuclear Power Plants. General Technical Requirements to the Data Transmission Channels	1979	Design
8	GOST 26344.0-84 Equipment for Production of Nuclear Instrumentation for Nuclear Power Plants. General Provisions.	1984	Design
9	GOST 26635-85 Power Nuclear Pressurized Water Reactors. General Requirements to in-Core Monitoring System	1985	Design
10	GOST R 54257-2010 Reliability of Civil Structures and Foundations. Basic Provisions and Requirements	2010	Design
11	GOST 27445-87 Neutron Flux Monitoring System for Protection and Control of Nuclear Reactors. General Technical Requirements	1987	Design
12	GOST 27451-87 Measurement Instrumentation for Ionizing Radiation. General Technical Provisions.	1987	Design
13	GOST 27452-87 Equipment for Radiation Safety Monitoring at Nuclear Power Plants. General Technical Requirements.	1987	Design
14	GOST 28195-89 Software Quality Assessment. General Provisions.	1989	Design
15	GOST 29075-91 System for Production of Nuclear Instrumentation for Nuclear Power Plants. General Provisions.	1991	Design

Item	Title and designation	Issue year	Stages
16	OTT 08042462 Instrumentation and Automation Tools for Nuclear Power Plants. General Technical Requirements	1985	Design
17	Requirements (OTT) 1988. Computer Hardware for Nuclear Power Plants. General Technical Requirements	1988	Design
18	TI 1L-84 Standard Instruction for Carrying out Local Tests of Penetrations, Stop Valves of Process Systems, Lock Hatches, and Other Sealing Equipment Pertaining to Accident Localization Systems at NPPs with VVER-1000 Reactors * Note: the pipeline and its elements may be used both in safety-related system and non-safety-related systems. Thus, depending on system relation to safety, the corresponding codes for welds production, codes for welds inspection and codes for piping strength analysis are used.	1984	Operation
19	GOST 34.603-92. Kinds of Tests of Automated Systems	1992	Construction
20	GOST 9.401-91 Varnish-and-Paint Coatings. General Requirements and Methods of Quick Tests on Climatic Factors Effects Withstandability	1991	Construction
21	GOST 9.402-2004 Varnish-and-Paint Coatings. Metal Surfaces Preparation for Painting	2004	Construction
22	GOST 12.3.016-87 Anticorrosive Works. Safety Requirements	1987	Design & Construction
23	GOST 21.501-2011 Design Documentation System for Construction. Rules of Draw-up of Working Drawings, Architectural and Structural Concepts	2011	Design
24	GOST R 21.1101-2013 System of Design Documents for Construction. Main Requirements for Design and Working Documents	2013	Design
25	GOST R 15.201-2000 Procedure of Production Development and Fabrication	2000	Construction
26	GOST 15.005 Making of Products of Individual and Small-Serial Production	1986	Construction
27	GOST 4.472-87 Water Treatment Equipment for Power Boilers and Industrial Enterprises Boilers	1987	Construction
28	GOST 2.601-2013 Unified System for Design Documentation. Exploitative Documents	2013	Design
29	GOST 29074-91. Equipment for Monitoring Radiation Environment. General Requirements	1991	Operation
30	GOST 8.377-80 GSI. Magnetically Soft Materials. Measuring Methods at Static Magnetic Characteristics Determination	1980	Operation
31	GOST 26843-86 General Requirements to Reactor CPS	1986	Operation
32	GOST R 27.002-2009 Dependability in Technics. Terms and Definitions	2009	Operation
33	GOST R 8.563-2009 State System for Ensuring the Uniformity of Measurements. Procedures of Measurements	2009	Design & Operation

Item	Title and designation	Issue year	Stages
34	GOST 9.014-78 ESZKS. Provisional Anticorrosive Protection of Items. General Requirements	1978	Operation
35	GOST 12.3.019-80 SSTB. Electrical Tests and Measuring. General Safety Requirements	1980	Operation
36	GOST 27.003-90 Reliability in Techniques. Contents and General Rules of Reliability Requirements Assignment	1990	Operation
37	GOST 15150-69 Machines, Instruments and Other Technical Items. Performance for Different Climatic Regions. Categories, Operation, Storage and Transportation Conditions in the Part of External Environment Climatic Factors Effects	1969	Design & Operation
38	GOST 25100-2011 Soils. Classification	2011	Engineering survey
39	GOST 12071-2000 Soils. Sampling, Packing, Transportation and Storage of Samples	2000	Engineering survey
40	GOST 12248-2010 Soils. Methods of Laboratory Testing for Strength and Deformability	2010	Engineering survey
41	GOST 19912-2012 Soils. Field Test Methods: Cone Penetration Test and Dynamic Probing	2012	Engineering survey
42	GOST 20276-2012 Soils. Methods of Field Testing for Strength	2012	Engineering survey
43	GOST 20522-2012 Soils. Methods of Statistic Handling of Test Results	2012	Engineering survey
44	GOST 21.302-96 System of Design Documentation for Construction. Graphic Symbols for Engineering Geological Investigation Documents	1996	Engineering survey
45	GOST 21153.2-84 Rocks. Test Methods For Uniaxial Compressive Strength (Amendment No.1 1986)	1984	Engineering survey
46	GOST 21153.5-88 Rocks. Test Method for Ultimate Compressin Shear Strength	1988	Engineering survey
47	GOST 23061-2012 Soils. Methods of Radioisotopic Testing for Density and Humidity	2012	Engineering survey
48	GOST 23161-2012 Soils. Methods of Laboratory Testing for Settlement	2012	Engineering survey
49	GOST 23740-79 Soils. Methods for Laboratory Determination of Organic Substances Content	1979	Engineering survey
50	GOST 24846-2012 Soils. Methods of Measuring the Strains of Structures and Building Bases	2012	Engineering survey
51	GOST 24849-81 Drinking Water. Field Methods of Sanitary and Microbiological Analysis	1981	Engineering survey
52	GOST 24902-81* Household and Potable Water. General Requirements for Field Methods of Analysis	1981	Engineering survey
53	GOST 25260-82* Rocks. Field Test Method by Penetration Logging	1982	Engineering survey

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54	GOST 5180-84. Soils. Laboratory Methods for Determination of Physical Characteristics	1984	Engineering survey
55	GOST R 51593-2000 Potable Water. Sampling	2000	Engineering survey
56	GOST 12536-79 Soils. Methods of Laboratory Granulometric (grain-size) and Microaggragate Distribution	1979	Engineering survey
57	GOST 17.1.5.01-80 Nature Protection. Hydrosphere. General Requirements for Sampling of Bottom Sediments of Water Reservoirs for Analysis of Pollution Degree	1980	Design
58	GOST 17.1.5.05-85 Nature Protection. Hydrosphere. General Requirements for Sampling of Surface and Sea Water, Ice, and Precipitations	1985	Design
59	GOST 17.4.4.02-84 Nature Protection. Soils. Methods of Sampling and Processing of Samples for Chemical, Bacteriological and Helminthological Analysis	1984	Design
60	GOST 17.2.3.01-86 Nature Protection. Atmosphere. Air Quality Control Regulations for Populated Areas	1986	Engineering survey
61	GOST 17.2.1.03-84 Nature Protection. Atmosphere. Terms and Definitions for Air Pollution Control	1984	Engineering survey
62	GOST 17.2.4.02-81 Nature Protection. Atmosphere. General Requirements for Determination of Pollutants	1981	Engineering survey
63	GOST 17.2.6.02-85 Nature Protection. Atmosphere. Automatic Gas Analysers for Air Pollution Monitoring. General Technical Requirements	1985	Engineering survey
64	GOST R 22.1.01-95 Safety in Emergencies. Monitoring and Forecasting. Basic Principles	1995	Engineering survey
65	GOST R 22.1.02-95 Safety in Emergencies. Monitoring and Forecasting. Terms and Definitions	1995	Engineering survey
66	GOST 12730.5-84 Concretes. Methods for Determination of Watertightness	1984	Design & Construction
67	GOST 10060-2012 Concretes. Methods for the Determination of Frost-Resistance	2012	Design & Construction
68	GOST 9128-2009 Asphaltic Concrete Mixtures for Roads and Aerodromes and Asphaltic Concrete. Specifications	2009	Design & Construction
69	GOST 2.105-95 Unified System for Design Documentation. General Requirements for Textual Documents	1995	Design
70	GOST 2.503-2013 Unified System of Design Documentation. Rules of Making Modifications	2013	Engineering survey
71	GOST 2.312-72 Unified System for Design Documentation. Symbolic Designations and Representations of Welds and Welded Joints	1972	Design
72	GOST 9.602-2005 Unified System of Corrosion and Ageing Protection. Underground Constructions. General Requirements for Corrosion Protection	2005	Engineering survey

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73	GOST 12.1.030-81 Occupational Safety Standards System. Electric Safety. Protective Conductive Earth, Neutralling	1981	Design
74	GOST 12.2.003-91 Occupational Safety Standards System. Industrial Equipment. General Safety Requirements	1991	Design
75	GOST 12.2.007.0-75 Occupation Safety Standards System. Electrical Equipment. General Safety Requirements	1991	Design
76	GOST 21.110-95 System of Building Design Documents. Rules of Developing Specifications for Equipment, products and materials	1995	Design
77	GOST 21.204-93 System of Building Design Documents. Graphical Symbols and Signs of Elements of General Layouts and Transport	1993	Design
78	GOST 21.502-2007 System of Design Documents for Construction. Execution Rules of Design and Working Documents for Metal Structures	2007	Design
79	GOST 21.508-93 System of Building Design Documents. Rules of Fulfilment of Working Documentation of General Layouts of Enterprises, Buildings and Civil Housing Objects	1993	Design
80	GOST 380-2005 Common Quality Carbon Steel. Grades	2005	Design
81	GOST 492-2006 Nickel, Nickel and Copper-Nickel Alloys Treated by Pressure. Grades	2006	Design
82	GOST 6235-91 Strips and Ribbons of Nickel. Specifications	1991	Design
83	GOST 9454-78 Metals. Method for Testing the Impact Strength at Low, Room and High Temperature	1978	Design
84	GOST R 54808-2011 Pipeline Valves. Leakage Rates of Valves	2011	Design
85	GOST R 50088-92 Water-Moderated Water-Cooled Power Reactors. General Requirements to Performing of Neutron Physical Calculations	1992	Design
86	GOST R 50753-95 Cylindrical Helical Compression (extension) Springs Made of Special Steels and Alloy. General Specifications	1995	Design
87	GOST R 51318.22-99 Electromagnetic Compatibility of Technical Equipment. Man-Made Radio Disturbance from Information Technology Equipment. Limits and Test Methods	1999	Design
88	GOST R 51321.1-2007 Low-Voltage Switchgear and Controlgear Assemblies. Part 1. Type-Tested and Partially Type-Tested Assemblies. General Technical Requirements and Test Methods	2007	Design
89	GOST R 52287-2004 Electrical Penetration in Containment Structures for Nuclear Power Generating Stations	2004	Design
90	GOST 1497-84 (ISO 6892-84) Metals. Methods of Tension Test	1984	Design
91	GOST 2590-2006 Round Hot-Rolled Steel Bars. Dimensions	2006	Design
92	GOST 2678-94 Rolled Roofing and Waterproof Materials. Methods of Testing	1994	Design
93	GOST 2789-73 Surface Roughness. Parameters and Characteristics	1973	Design

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94	GOST 3242-79 Welded Joints. Quality Control Methods	1979	Design
95	GOST 3262-75 Water-Supply and Gas-Supply Steel Pipes. Specifications	1975	Design
96	GOST 3760-79 Reagents. Ammonia Water. Specifications	1978	Design
97	GOST 5632-72 High-Alloy Steels and Corrosion-Proof, Heat-Resisting and Heat Treated Alloys. Grades	1972	Design
98	GOST 5781-82 Hot-Rolled Steel for Reinforcement of Ferroconcrete Structures. Specifications	1982	Design
99	GOST 6665-91 Concrete and Reinforced Concrete Curbs. Specifications	1991	Design
100	GOST 6727-80 Cold-Drawn Low-Carbon Steel Wire for Reinforced Concrete. Specifications	1980	Design
101	GOST 6996-66 Welded Joints. Methods of Mechanical Properties Determination	1966	Design
102	GOST R 51685-2000 Railway Rails. General Specifications	2000	Design
103	GOST 7338-90 Rubber and Rubber-Fabric Sheets. Specifications	1990	Design
104	GOST 7350-77 Plate Steel, Corrosion-Resistant, Heat-Resistant and High-Temperature. Specifications	1977	Design
105	GOST 7512-82 Nondestructive Testing. Welded Joints. Radiography Method	1982	Design
106	GOST 8239-89 Hot-Rolled Steel Flange Beams. Rolling Products	1989	Design
107	GOST 8240-97 Hot-Rolled Steel Channels. Assortment	1997	Design
108	GOST 8267-93 Crushed Stone and Gravel of Solid Rocks for Construction Works. Specifications	1993	Design
109	GOST 8269.0-97 Mountainous Rock Road-Metal and Gravel, Industrial Waste Products for Construction Works. Methods of Physical and Mechanical Tests	1997	Design
110	GOST 8509-93 Hot-Rolled Steel Equal-Leg Angles. Dimensions	1993	Design
111	GOST 8510-86 Hot-Rolled Steel Unequal-Leg Angles. Dimensions	1986	Design
112	GOST 8732-78 Seamless Hot-Deformed Steel Pipes. Range of Sizes	1978	Design
113	GOST 8736-93 Sand for Construction Works. Specifications	1993	Design
114	GOST 9466-75 Covered Metal Electrodes for Manual Arc Welding of Steels and Deposition. Classification and General Specifications	1975	Design
115	GOST 9467-75 Metal Covered Electrodes for Manual Arc Welding of Structural and Heat-Resistant Steels. Types	1975	Design
116	GOST 10052-75 Metal Covered Electrodes for Manual Arc Welding of High-Alloyed Steel with Special Properties. Types	1975	Design
117	GOST 10434-82 Electric Contact Connections. Classification. General Technical Requirements	1982	Design
118	GOST 10704-91 Electrically Welded Steel Line-Weld Tubes. Range	1991	Design
119	GOST 10705-80 Electrically Welded Steel Tubes. Specifications	1980	Design

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120	GOST 10706-76 Electrically Welded Steel Line-Weld Tubes	1976	Design
121	GOST 10922-2012 Welded Rebars and Embedded Parts, Welded Connections of Rebars and Embedded Parts of r/c Structures. General Specifications.	2012	Design
122	GOST 14098-91 Welded Joints of Reinforcement and Inserts for Reinforced Concrete Structures. Types, Constructions and Dimensions	1991	Design
123	GOST 14782-86 Nondestructive Testing. Welded Joints. Ultrasonic Methods	1986	Design
124	GOST 14918-80 Continuously Galvanized Sheet Steel. Specifications	1980	Design
125	GOST R 52776-2007 Rotating Electrical Machines. Rating and Performance	2007	Design
126	GOST 18442-80 Nondestructive Testing. Capillary Methods. General Requirements	1980	Design
127	GOST 19807-91 Wrought Titanium and Titanium alloys. Grades	1991	Design
128	GOST 19903-74 Hot-Rolled Steel Sheets. Dimensions	1974	Design
129	GOST 19904-90 Cold-Rolled Steel Sheets. Dimensions	1990	Design
130	GOST 20397-82 Technical Facilities for Minicomputers. General Technical Requirements, Acceptance, Methods of Testing, Marking, Packaging, Transportation and Storage, Manufacturer's Warranties	1982	Design
131	GOST 22727-88 Rolled Sheet. Ultrasonic Test Methods	1988	Design
132	GOST 23118-2012 Steel Civil Structures. General Specification	2012	Design
133	GOST 23120-78 Steel Flights of Steps, Stair Landings and Railings. Specifications	1978	Design
134	GOST 23279-2012 Welded Reinforcing Meshes for Reinforced Concrete Structures and Products. General Specifications	2012	Design
135	GOST 23304-78 Boits, Studs, Nuts and Washers for Flanged Connections for Atomic Power Plants. Technical Requirements. Acceptance. Test Methods. Marking, Packing, Transportation and Storage	1978	Design
136	GOST 25.506-85 Design, Calculation and Strength Testing. Methods of Mechanical Testing of Metals. Determination of Fracture Toughness Characteristics Under the Static Loading	1985	Design
137	GOST 27384-2002. Water. Rated Accuracy of Measurements of Composition and Properties Indices	2002	Design
138	GOST 34.003-90 Information Technology. Set of Standards for Automated Systems. Automated Systems. Terms and Definitions	1990	Design
139	GOST 34.201-89 Information Technology. Set of Standards for Automated Systems. Types, Sets and Indication of Documents for Automated Systems Development	1989	Design

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140	GOST 34.602-89 Information Technology. Set of Standards for Automated Systems. Terms of Reference for Automated System Development	1989	Design
141	GOST 23732-2011 Water for Concrete and Mortars. Specifications	2011	Design
142	GOST 24452-80 Concretes. Methods of Prismatic Compressive Strength, Modulus of Elasticity and Poisson's Ratio Determination	1980	Design
143	GOST 25192-2012 Concretes. Classification and General Technical Requirements	2012	Design
144	GOST 25820-2000 Lightweight Aggregates Concretes. Specifications	2000	Design
145	GOST 26633-2012 Heavy-Weight and Sand Concretes. Specifications	2012	Design
146	GOST 30515-97 Cements. General Specifications	1997	Design
147	GOST R 8.563-2009 State System for Ensuring the Uniformity of Measurements. Procedures of Measurements	2009	Design
148	GOST R 8.565-96 State System for Ensuring the Uniformity of Measurements. Metrological Assurance of Nuclear Power Stations Operation. General Principles	1996	Design
149	GOST R 8.596-2002 State System for Ensuring the Uniformity of Measurements. Requirements for Software of Measuring Instruments. General Principles	2002	Design
150	GOST R IEC 60073-2000 Basic and Safety Principles for Man-Machine Interface, Marking and Identification. Coding Principles for Indication Devices and Actuators	2000	Design
151	GOST 32137-2013 Electromagnetic Compatibility of Technical Equipment. Technical Equipment for Nuclear Power Plants. Requirement and Test Methods	2013	Design
152	GOST 18105-2010 Concretes. Rules for Control and Assessment of Strength	2010	Design
153	GOST R 52544-2006 Weldable Deformed Reinforcing Rolled Products of A500C and B500C Classes for Reinforcement of Concrete Constructions. Specifications	2006	Design
154	GOST 5264-80 Manual Arc Welding. Welding Joints. Main Types, Design Elements and Dimensions	1980	Design
155	GOST 21.205-93 System of Design Documents for Construction. Elements of Sanitary Engineering Systems-Symbols	1993	Design
156	GOST 21.601-2011 System of Design Documents for Construction. Rules for Execution of Working Documents of Internal Water and Sewerage Systems	2011	Design
157	GOST 21.704-2011 System of Design Documents for Construction. Rules for Execution of Working Documentation of Outside Networks of Water Supply and Sewerage	2011	Design
158	GOST 16037-80 Welded Joints in Steel Pipelines. Main Types, Design Elements and Dimensions	1980	Design

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159	GOST R 50996-96 Collection, Storage, Treatment and Burial of Radioactive Waste. Terms and Definitions	1996	Design
160	GOST R 51883-2002 Cemented Radioactive Waste. General Technical Requirements	2002	Design
161	OST 10 070-95. Industrial Branch Standard. Soils. Procedure for Determining of Sr-90 in the Soils of Agricultural Lands	1995	Design
162	OST 10 071-95. Industrial Branch Standard. Soils. Procedure for Determining of Cs-137 in the Soils of Agricultural Lands	1995	Design
163	OST 10 179-96. Industrial Branch Standard. Defining of Cs-134, -137 in the Products of Plant Growing and Feeding Stuff	1996	Design
164	OST 46 40-76 - OST 46 52-76. Methods of Agro-Chemical Analyses of Soils	1976	Design
165	OST 95.503 -2006 Welded Joints and Brazed Products for the Active Zones of Nuclear Reactors. General Technical Requirements	2006	Design
166	OST 95 10517 Solid Radioactive Waste Storage Facilities. General Requirements	1995	Design
167	OST 108.109.01-92 Semimanufactured Articles of Housing Parts from Corrosion Resistant Steels of Austenitic Class. Technical Specifications	1992	Design
168	MU 1.2.2.05.0057-2011 Design of Steel Sealing Lining for r/c Structures of NPP Buildings	2011	Design
169	STO (Company standard) 1.1.1.01.005.0841-2010 General Requirements for the Scope of Radiation Monitoring in the Radiation Monitoring Systems of Nuclear Power Plants	2010	Design
170	STO 1.1.1.01.007.0281-2010 Control of Characteristic Lives of the Power Plants' Elements of the Nuclear Power Plants	2010	Design
171	STO 1.1.1.03.003.0911-2012 Concretes for NPP Civil Structures and Radiation Protection	2012	Design
172	GOST 24297-87 Incoming Inspection of Products. Key Provisions	1987	Design
173	GOST 21.201-2011 Symbol Graphics Elements of Buildings, Works and Structures	2011	Design
174	GOST 21779-82 System for Ensuring the Accuracy of Geometrical Parameters in Civil Engineering. Technological Tolerances.	1982	Design
175	GOST 14771-76 Gas-Shielded Arc Welding. Welded Joints. Main Types, Design Elements and Dimensions	1976	Design
176	GOST R 52086-2003 Formworks	2003	Design
177	GOST 27772-88 Structural Steel Structure Rolled Products. General Specifications	1988	Design
178	GOST 8568-77 Corrugated Sheet Rhombic and Lentilform Steel. Technical Requirements	1977	Design
179	GOST R 52643-2006 High-Strength Screws and Nuts and Washers for Metal Structures. General Specifications.	2006	Design

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180	GOST 14637-89 Rolled Plate from Carbon Steel of General Quality. Specifications.	1989	Design
181	GOST 19281-89 Rolled Steel with Increased Strength. General Specifications.	1989	Design
182	GOST 1050-88 Carbon Structural Quality Steel Gauged Bars with Special Surface Finish. General Specifications	1988	Design
183	GOST 3282-74 General-Purpose Low-Carbon Steel Wire. Specifications.	1974	Design
184	GOST R 55265.2-2012 Mechanical Vibration - Evaluation of Machine Vibration by Measurements on Non-Rotating Pparts - Part 2: Land-Based Steam Turbines and Generators in Excess of 50 MW with Normal Operating Speeds of 1500, 1800, 3000, and 3600 min-1	2012	Design
185	GOST 27165-97 Large Land-Based Steam Turbine-Generator Sets. Evaluation of Machine Vibration by Measurement on Rotating Shafts and General Requirements for the Measurement of Vibration.	1997	Design
186	GOST R 53307-2009 Elements of Building Constructions. Fire Doors and Gates. Fire Resistance Test Method.	2009	Design
187	GOST 30247.3-2002 Building Structures. Fire Resistance Test Methods. Elevator Shaft Doors.	2002	Design
188	GOST 25804.1-83 Instrumentation, Devices and Equipment of NPP Process Control Systems. Main Provisions	1983	Design
189	GOST 25804.2-83 Instrumentation, Devices and Equipment of NPP Process Control Systems. Requirements to Reliability. Main Provisions	1983	Design
190	GOST 25804.3-83 Instrumentation, Devices and Equipment of NPP Process Control Systems. Requirements to Strength and Resistance to Outer Impacts	1983	Design
191	GOST 25804.4-83 Instrumentation, Devices and Equipment of NPP Process Control Systems. General Design Requirements	1983	Design
192	GOST 25804.5-83 Instrumentation, Devices and Equipment of NPP Process Control Systems. General Rules of Tests and Acceptance of Pilot Samples and Serial Products	1983	Design
193	GOST 25804.6-83 Instrumentation, Devices and Equipment of NPP Process Control Systems. Methods of Estimation of Conformity to Reliability Requirements	1983	Design
194	GOST 25804.7-83 Instrumentation, Devices and Equipment of NPP Process Control Systems. Methods of Estimation of Conformity to Requirements to Strength and Resistance to Outer Impacts	1983	Design
195	GOST 25804.8-83 Instrumentation, Devices and Equipment of NPP Process Control Systems. Methods of Estimation of Conformity to General Design Requirements	1983	Design

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196	GOST 30247.1-94 Elements of Building Constructions. Fire-Resistance Test Methods. Load Bearing and Separating Constructions	1994	Design
197	GOST 30247.0-94 Elements of Building Constructions. Fire-Resistance Test Methods. General Requirements	1994	Design
198	GOST 6134-2007 Rotodynamic Pumps - Hydraulic Performance Acceptance Tests - Grades 1 and 2	2007	Design
199	GOST 12.1.005-88 General Sanitary Requirements for Working Zone Air	1988	Design
200	GOST 12.1.004-91 Fire safety. General Requirements	1991	Design
201	GOST 27331-87 Fire Engineering. Classification of Fires. (CEA ST 5637-86)	1987	Design
202	GOST 17433-80 Industries Purity. Compressed Air Grades of Contamination. (CEA ST 1704-79)	1980	Design
203	GOST 305-82 Diesel Fuel. Specifications	1982	Design
204	GOST 23170-78 Packing for Products of Engineering Industry. General Requirements	1978	Design
205	GOST R 51043-2002 Automatic Water and Foam Fire Fighting Systems. Sprinklers, Spray Nozzles, and Water Mist Nozzles. General Technical Requirements. Test Methods	2002	Design
206	GOST R 50969-96 Automatic Gas Fire Extinguishing Systems. General Technical Requirements. Test Methods	1996	Design
207	GOST 24277-91 Stationary Steam Turbines for Nuclear Power Plants. General Specifications	1991	Design
208	GOST R 8.594-2002 The Metrological Ensuring of Radiation Control. General Principles	2002	Design
209	GOST R 8.417-2002 State System for Ensuring the Uniformity of Measurements. Units of Quantities	2002	Design
210	GOST P 52735-2007 Short Circuits in Electrical Installations. Calculation Methods in Electrical Installations of Alternating Current of Voltage Higher 1 kV	2007	Design
211	GOST P 52736-2007 Short Circuits in Electrical Installations. Calculation Methods of Electrodynamic and Thermal Effect of Short Circuit Current	2007	Design
212	GOST 28249-93 Short Circuits in Electrical Installations. Calculation Methods in Electrical Installations of Alternating Current of Voltage up to 1 Kv	1993	Design
213	GOST R IEC 61225-2011 (IEC61225:2005) Nuclear Power Plants. Monitoring and Control Systems Important to Safety. Power Supply Requirements	2011	Design
214	GOST 31565-2012 Cable Products. Requirements of Fire Safety	2012	Design
215	GOST 30011.1-2012 (IEC 60947-1:2004) Low-Voltage Switchgear and Controlgear. Part 1. General Rules	2012	Design

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216	GOST 30011.7.1-2012 (IEC 60947-7-1:2002) Low-Voltage Switchgear and Controlgear - Part 7-1: Ancillary Equipment - Terminal Blocks for Copper Conductors	2012	Design
217	GOST 30011.7.2-2012 (IEC 60947-7-2:2002) Low-Voltage Switchgear and Controlgear - Part 7-2: Ancillary Equipment - Protective Conductor Terminal Blocks for Copper Conductors	2012	Design
218	GOST 15.309-98 Tests and Acceptance of Production. Main Provisions	1998	Design
219	GOST R IEC 61140-2000 Protection from Electrocution. General Provisions for Safety Ensured by Electrical Equipment and Electrical Installations in their Interconnection	2000	Design
220	GOST R IEC 60536-2-2001 Classification of Electrical and Electronic Equipment by the Method of Protection from Electrocution. Part 2. User Manual for Protection from Electrocution	2001	Design
221	GOST 15543.1-89 Electric Items. General Requirements to Climatic External Impact Factors	1989	Design
222	GOST 16962.1-89 Electric Items. Test Methods on Resistance to Climatic External Impact Factors	1989	Design
223	GOST 16962.2-90 Electric Items. Test Methods on Resistance to Mechanical External Impact Factors	1990	Design
224	GOST 16962-71 Products of Electronic Technics and Electrical Engineering. Mechanical and Climatic Impacts. Requirements and Test Methods	1971	Design
225	GOST 23216-78 Electrotechnical Products. Storage, Transportation, Preservation, Packing. General Requirements and Test Methods	1978	Design
226	GOST 533-2000 Electric Rotating Machines. Turbogenerators. General Specifications	2000	Design
227	GOST 21558-2000 Turbogenerator Excitation Systems, Hydrogenerators and Synchronous Compensators. General Specifications	2000	Design
228	GOST 9630-80 Three-Phase Asynchronous Motors of Voltage Higher 1000 V. General Specifications	1980	Design
229	GOST P 50034-92 Compatibility of Electromagnetic Devices. Asynchronous Electric Motors of Voltage Higher 1000 V. Codes and Test Methods on Resistance to Electromagnetic Interference	1992	Design
230	GOST P 53148-2008 Electric Rotating Machines. Noise Limiting Levels	2008	Design
231	GOST 21130-75 Electrotechnical Items. Earthing Clamps and Grounding Signs. Design and Dimensions	1975	Design
232	GOST 7217-87 Electric Rotating Machines. Asynchronous Motors. Test Methods	1987	Design

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233	GOST 14693-90 Not Sealed Complete Switchgears in a Metal Cover for Voltage to 10 kV. General Specifications	1990	Design
234	GOST 14694-76 Complete Switchgears in a Metal Cover for Voltage to 10 kV. Test Methods	1976	Design
235	GOST P 52565-2006 Alternate Current Switches for Voltage from 3 to 750 kV. General Specifications	2006	Design
236	GOST P 52726-2007 Disconnectors and Grounding Switches AC for Voltage Higher 1 kV and Drives for Them. General Specifications	2007	Design
237	GOST 9920-89 Electrical Installations AC for Voltage from 3 to 750 kV. Length of the Leak of the Outer Insulation	1989	Design
238	GOST 1516.1-76 Alternating Current Electric Equipment for Voltage from 3 to 500 kV. Requirements to Electric Strength	1976	Design
239	GOST 1516.2-97 Electric Equipment and Electrical Installations of Alternating Current for Voltage 3 kV and Higher. General Test Methods of Electric Strength of Insulation	1997	Design
240	GOST 1516.3-96 AC Electric Equipment 1...750 kV. Requirements to Insulation Strength	1996	Design
241	GOST 12.2.007.3-75 Electric Equipment for Greater than 1000 V. Safety Requirements	1975	Design
242	GOST 12.2.007.4-75 Cabinets of Complete Switchgears and Complete Transformer Substations. Safety Requirements	1975	Design
243	GOST 11920-85 General-Purpose Oil Power Transformers up to 35 kV, Inclusive. Specifications	1985	Design
244	GOST 17544-85 Power Oil-Filled General-Purpose Transformers of the 220, 330, 500 and 750 kV Voltage Classes. Technical Specifications	1985	Design
245	GOST 11677-85 Power Transformers. General Technical Specifications	1985	Design
246	GOST R 54827-2011 Dry Transformers. General Technical Specifications	2011	Design
247	GOST 14209-85 General-Purpose Oil-Filled Power Transformers. Permissible Loads	1985	Design
248	GOST 8865-93 Electrical Insulation Systems. Estimation of Thermal Resistance and Classification	1993	Design
249	GOST 12.2.007.2-75 Power Transformers and Chokes. Safety Requirements	1975	Design
250	GOST 12.2.024-87 Noise. Oil Power Transformers, Control Standards and Methods	1987	Design
251	GOST 1983-2001 Voltage Transformers. General Specifications	2001	Design
252	GOST 7746-2001 Current Transformers. General Technical Specifications	2001	Design
253	GOST 20243-74 Power Transformers. Test Methods for Stability to Short-Circuit Fault	1974	Design

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254	GOST 21023-75 Power Transformers. Methods for Measuring the Partial Discharge Characteristics in Testing by Power-Frequency Voltage	1975	Design
255	GOST 22756-77 Power and Voltage Transformers. Electric Insulation Electric Strength Test Methods	1977	Design
256	GOST 24126-80 On-load Tap Changers of Power Transformers. General Technical Specifications	1980	Design
257	GOST 24687-81 Power Transformers and Electrical Reactors. Protection Degrees	1981	Design
258	GOST 30830-2002 Power Transformers. Part 1. General	2002	Design
259	GOST 3484.1-88 Power Transformers. Electromagnetic Test Methods	1988	Design
260	GOST 3484.2-88 Power Transformers. Heat Tests	1988	Design
261	GOST 3484.3-88 Power Transformers. Methods for Measuring the Dielectric parameters of insulation	1988	Design
262	GOST 3484.4-88 Power Transformers. Mechanical Strength Tests of Tanks	1988	Design
263	GOST 3484.5-88 Power Transformers. Seal Tests of Tanks	1988	Design
264	GOST 982-80 Transformer Oils. Technical Specifications	1980	Design
265	GOST 26881-86 Stationary Lead Storage Batteries. General Technical Specifications.	1986	Design
266	GOST R IEC 60896-2-99 Stationary Lead-Acid Storage Batteries. General Requirements and Test Methods. Part 2. Closed Types	1999	Design
267	GOST R IEC 896-1-95 Stationary Lead-Acid Storage Batteries. General Requirements and Test methods. Part 1. Open Types	1995	Design
268	GOST 12.2.007.12-88 System of Labor Safety Standards. Chemical Power Sources. Safety Requirements	1988	Design
269	GOST 27699-88 Uninterruptible Power Supply Systems of AC Loads. General Technical Specifications	1988	Design
270	GOST 18142.1-85 Semiconductor Rectifiers for a Capacity of Higher than 5 kW. General Technical Specifications	1985	Design
271	GOST 25953-83 Semiconductor Electric Energy Converters with a Capacity of 5 kVA and Higher. The Parameters.	1983	Design
272	GOST 26284-84 Semiconductor Electric Energy Converters. Notation Conventions	1984	Design
273	GOST 26416-85 Uninterruptible Power Supplies for a Voltage of up to 1 kV. General Technical Specifications	1985	Design
274	GOST 26567-85 Semiconductor Electric Energy Converters. Electric Test Methods	1985	Design
275	GOST 24376-91 Semiconductor Inverters. General Technical Specifications	1991	Design
276	GOST 12434-83 Low-Voltage Switching Apparatuses. General Technical Specifications	1983	Design

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277	GOST 28668-90 Low-Voltage Self-Contained Switchgears and Control Gears. Part 1. Requirements for Fully or Partially Tested Devices	1990	Design
278	GOST R 50030.2-2010 Low-Voltage Distribution and Control Apparatuses. Part 2. Automatic Circuit Breakers	2010	Design
279	GOST R 50030.3-2012 Low-Voltage Distribution and Control Apparatuses. Part 3. Circuit Breakers, Disconnectors, Closers-Disconnectors, and Their Combinations with Fuses	2012	Design
280	GOST 12.2.007.6-75 System of Labor Safety Standards. Electrical Switching Apparatuses for a Voltage of up to 1000 V. Safety Requirements	1975	Design
281	GOST 12.1.010-76 Explosion Safety. General Requirements	1976	Design
282	GOST 12.1.012-2004 Vibration Safety. General Requirements	2004	Design
283	GOST 25980-83 Vibration. Means for Protection. Nomenclature of Parameters	1983	Design
284	GOST 30.001-83 The system of Ergonomics and Technical Design Standards. General Principles	1983	Design
285	GOST R ISO 9004-2010 National Standard of the Russian Federation. Managing for the Sustained Success of an Organization. A quality Management Approach	2010	Design
286	GOST P-12.3.047-98 Processes Fire Safety, General Requirements, Methods of Control	1998	Design
287	GOST R 21.1003-2009 National Standard of the Russian Federation. System of Project Documentation for Construction. Registration and Storage Rules of Design Documentation	2009	Design
288	OTT 1.3.3.99.0141-2012 Pipeline Valves for NPP Process Systems not Affecting Safety. General Technical Requirements.	2012	Design
289	OST 108.004.10-86 Programs for Controlling the Quality of Nuclear Power Industry Articles	1986	Design
290	OST 24.125.30-89 Seamless Pipes Made of Carbon and Silicon-Manganese Steels for Making NPP Pipelines. List of Standard Products.	1989	Design
291	TU-5800-012-56294930-2007. Mechanical Joints of Construction Rebars Made with the Use of Couplings Produced by ANCON Building Products. Technical Requirements	2007	Design
292	TU 14-1-5596-2010 Class A600C Thermally and Mechanically Strengthened Rolled Articles for Reinforcing Reinforced-Concrete Structures. Technical Specifications	2010	Design

Standards of the Russian Federation, which will be specified in the design by APC

To be determined later

Non-nuclear Rules and Norms of Russian Federation

1	PB 10-573-03 Installation Rules and Safety Operation of Steam and Hot Water Pipelines	2003	Design & Operation
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Item	Title and designation	Issue year	Stages
2	VSN 10-83 Minhimprom's Instruction for the Designing of Gaseous Oxygen Pipelines	1983	Design
3	Safety regulations for hazardous production facilities at which load lifting structures are used (Gosgortekhnadzor Order No. 533 dated 12.11.2013)	2013	General requirements
4	PB 03-576-03 Rules for Design and Safe Operation of Pressurized Vessels	2003	Design & Operation
5	NPB 250-97 Fire-fighting Lifts. General Technical Requirements	1997	Design & Construction
6	PB 03-581-03 Rules for Design and Safe Operation of Stationary Compressors, Air and Gas Lines	2003	Operation
7	PB 03-583-03 Rules for Development, Production and Application of Membrane Safety Devices	2003	Operation
8	PB 03-584-03 Rules for Design, Production and Acceptance of Steel Welded Vessels and Devices	2003	Design
9	PB 03-598-03 Safety Rules for Hydrogen Production by Water Electrolysis	2003	Operation
10	PB 03-605-03 Rules for Design of Vertical Cylindrical Steel Tanks for Oil and Oil Products	2003	Design
11	PB 09-560-03 Rules of Industrial Safety for Oil Delivery Terminals and Oil Products Stores	2003	Design
12	PB 09-566-03 Rules of Safety for Stores of Liquefied Natural Gases and Ignite Pressurized Liquids	2003	Operation
13	PB 09-592-03 Rules for Design and Safe Operation of Cooling Systems	2003	Operation
14	PB 10-558-03 Rules for Design and Safe Operation of Lifts	2003	Operation
15	PB 10-574-03 Rules for Design and Safe Operation of Steam and Water Heating Boilers	2003	Operation
16	PB 11-544-03 Safety Rules for Production and Consumption of Air Separation Products	2003	Design
17	PB 12-529-03 Safety Rules for Systems of Gas Distribution and Consumption	2003	Design
18	PUG-69 Codes of Arrangement and Safe Operation of Pipelines with Burning, Toxic and Reduced Gases	1969	Operation
19	PPB 01-03 Fire Safety Regulations in the Russian Federation	2003	Operation
20	NPB 51-96 Fire Fighting Gas Mixes. General Fire Safety Requirements and Methods of Testing	1996	Operation
21	NPB 54-01 Automatic Gas Fire Fighting Installation. General Technical Requirements. Methods of Testing	2001	Operation
22	NPB 58-97 Address-Type Fire Alarm Systems. General Technical Requirements. Methods of Testing	1997	Operation
23	NPB 65-97 Smoke-Detection Optic-Electronic Fire Annunciators. General Technical Requirements. Methods of Testing	1997	Operation

Item	Title and designation	Issue year	Stages
24	NPB 67-98 Automatic Powder Fire Fighting Installations. General technical requirements. Methods of Testing	1998	Operation
25	NPB 77-98 Fire Annunciation and Evacuation Management Tools. General Technical Requirements. Methods of Testing	1998	Operation
26	NPB 80-99 Automatic Module-Type Fire Fighting Installation with Pulverized Water. General Technical Requirements. Methods of Testing	1999	Operation
27	NPB 88-2001* Fire Fighting and Signaling Installations. Design Norms and Rules	2001	Design
28	NPB 110-03 List of Buildings, Structures, Premises and Equipment Subject to Protection by Automatic Fire Fighting Plants and Automatic Fire Alarm Systems	2003	Design
29	PB-09-596-03 Safety Provisions at Application of Inorganic Liquid Acids and Alkalis	2003	Design & Operation
30	RD 10-249-98 Chang. No. 1- RDI 10-413 249-01 Norms of Stress Calculation of Station Boilers and Steam and Hot Water Pipelines	1998	Design
31	RCN (Republic-wide Construction Norms) 60-86 Site Exploration for Construction. Micro Seismic Zoning. Standards for Work Execution	1986	Engineering survey
32	RCN 65-87 Engineering Survey for Construction, Microseismic Zoning. Standards for Work Execution	1987	Engineering survey
33	RCN 75-90 Engineering Survey for Construction. Technical Requirements to Geophysical Works Performance. Well Logging Methods	1990	Engineering survey
34	NPB 104-03 System for Emergency Alarm and Management of Evacuation of People in Fires in Buildings and Structures, Ministry for Emergency Situations of Russia, 2003	2003	Design
35	SP 12.13130.2009 Determining the Categories of Premises, Buildings, and Outdoor Installations as to Explosion-Fire and Fire Safety	2009	Design
36	SP 22.13330.2011 Foundations of Buildings and Structures	2011	Design & Construction
37	SP 24.13330.2011 Pile Foundations. Updated Edition SNIIP 2.02.03-85	1985	Design & Construction
38	SP 31.13330.2012 Water Supply. Outdoor Networks and Structures. Revised Edition SNIIP 2.04.02-84	2012	Design & Construction
39	SP 45.13330.2012 Set of Rules. Earthworks, Footings and Foundations, Revised Edition, SNIIP 3.02.01-87	2012	Design
40	SP 30.13330.2012 Set of Rules. Indoor Water Supply and Sewer System of Building. Revised Edition SNIIP 2.04.01.85	2012	Design & Construction
41	SP 47.13330.2012 Set of Rules. Engineering Surveys for Construction. Fundamentals. Revised Edition SNIIP 11-02-96	2012	Engineering survey
42	SNIIP 21-01-97* Fire safety of buildings and structures	1997	Design & Construction

Item	Title and designation	Issue year	Stages
43	SP 60.13330.2012 Set of Rules. Heating, Ventilation, Air Conditioning. Revised Edition SNiP 41-01-2003	2012	Design & Construction
44	SP 50.13330.2012 Set of Rules. Thermal Protection of Buildings. Revised Edition SNiP 23-02-2003	2012	Design & Construction
45	SP 28.13330.2012 Set of Rules. Anticorrosive Protection of Civil Structures. Revised Edition SNiP 2.03.11-85	2012	Construction
46	SP 29.13330.2011 Set of Rules. Floors. Revised Edition SNiP 2.03.13-88	2011	Construction
47	SNiP 3.04.03-85 Anticorrosive protection of civil constructions and structures	1985	Design & Construction
48	SP 32.13330.2012 Set of Rules. Sewer System. Outdoor Networks and Structures. Revised Edition SNiP 2.04.03-85	2012	Design & Construction
49	SP 73.13330.2012 Set of Rules. Indoor Sanitary Engineering Systems of Buildings. Revised Edition SNiP 3.05.01-85	2012	Design & Construction
50	SNiP 3.05.04-85 External Networks and Water Supply and Sewer System Structures	1985	Design & Construction
51	SP 18.13330.2011 Set of Rules. General Layouts of Industrial Enterprises. Revised Edition SNiP II-89-80*	2011	Construction
52	SP 16.13330.2011 Steel Structures. Code of Practice. Actualized Edition of SNiP II-23-81	2011	Design & Construction
53	SP 14.13330.2011 Set of Rules. Construction in Seismic Areas. Revised Edition SNiP II-7-81*	2011	Engineering survey
54	SP 131.13330.2012 Set of Rules. Building Climatology. Revised Edition SNiP 23-01-99*	2012	Engineering survey
55	SP 126.13330.2012 Set of Rules. Survey Operation in Construction. Revised Edition SNiP 3.01.03-84	2012	Engineering survey
56	SNiP 3.01.04-87 Taking Over of Constructed Facilities into Operation. Basic Provisions	1997	Construction
57	SP 116.13330.2012 Set of Rules. Engineering Protection of Territories, Buildings and Structures Against Hazardous Geological Processes. Basic Provisions. Revised Edition SNiP 22-02-2003	2012	Engineering survey
58	SPPNAE-87 п. 4.1. (Nuclear Code of Practice) General Requirements to the Scope of Investigation and Survey for a Place for NPP Site Selection	1987	Engineering survey
59	SP 20.13330.2011 Set of Rules. Loads and Effects. Revised Edition SNiP 2.01.07-85*	2011	Construction
60	SP 27.13330.2011 Concrete and Concrete Reinforced Structures Designated for Operation Under the Conditions of Increased and High Temperatures Effect. Code of Practice. Actualized Edition of SNiP 2.03.04-84*	2011	Design & Construction
61	SNiP II-11 -77 Protective Structures of Civil Defence	1977	Construction
62	SP 70.13330.2012. Set of Rules. Bearing and Enclosing Structures. Revised Edition SNiP 3.03.01-87	2012	Construction

Item	Title and designation	Issue year	Stages
63	SP 41.13330.2012 Set of Rules. Concrete and Reinforced Structures of Hydraulic Facilities. Revised Edition SNIp 2.06.08-87	2012	Construction
64	SP 43.13330.2012 Set of Rules. Construcitons of Industrial Enterprises. Revised Edition SNIp 2.09.03-85	2012	Construction
65	SP 63.13330.2012 Set of Rules. Concrete and Reinforced Concrete Structures. Basic Provisions. Revised Edition SNIp 52-01-2003	2012	Construction
66	SP 23.13330.2011 Foundations of Hydraulic Structures. Code of Practice. Actualized Edition of SNIp 2.02.02-85	1985	Design & Construction
67	SP 26.13330.2012 Set of Rules. Foundation of Machines with Dynamic Loads. Revised Edition SNIp 2.02.05-87	2012	Construction
68	SP 15.13330.2012 Set of Rules. Stone and Reinforced Masonry Structures. Revised Edition SNIp II-22-81*	2012	Construction
69	SNIp 3.05.06-85. Regulations for Execution and Acceptance of Work. Electrical Devices	1985	Construction
70	SNIp 3.05.07-85. Regulations for Execution and Acceptance of work. Automation Systems	1985	Construction
71	SP 51.13330.2011 Set of Rules. Sound Protection. Revised Edition SNIp 23-03-2003	2011	Design
72	SNIp 2.04.05-91* Heating, Ventilation and Air Conditioning.	1991	Design & Construction
73	SP 34.13330.2012 Set of Rules. Highways. Revised Edition SNIp 2.05.02-85*	2012	Design & Construction
74	SP 37.13330.2012 Set of Rules. Industrial Transport. Revised Edition SNIp 2.05.07-91*	2012	Design & Construction
75	SP 58.13330.2012 Set of Rules. Hydraulic Engineering Engineering Facilities. Basic Provisions. Revised Edition SNIp 33-01-2003	2012	Design & Construction
76	SP 39.13330.2012 Set of Rules. Earth Dams. Revised Edition SNIp 2.06.05-84*	2012	Design
77	SP 40.13330.2012 Set of Rules. Concrete and Reinforced Concrete Dams. Revised Edition SNIp 2.06.06-85	2012	Design & Construction
78	SP 56.13330.2011 Industrial Buildings. Code of Practice. Actualized Version of SNIp 31-03-2001	2011	Design
79	SP 124.13330.2012 Set of Rules. Heat Networks. Revised Edition SNIp 41-02-2003	2012	Design
80	SP 44.13330.2011 Administrative and Household Buildings. Code of Practice. Updated SNIp Edition 2.09.04-87	2011	Design
81	SP 35.13330.2011 Bridges and Culverts. Code of Practice. Updated SNIp Edition 2.05.03-84*	2011	Design
82	SNIp 2.06.15-85 Engineering Area Protection Against Flooding and Inundation	1985	Design
83	VSN 5-84 Use of the Natural Stone in Marine Hydraulic Engineering	1984	Design

Item	Title and designation	Issue year	Stages
84	SP 101.13330.2012 Set of Rules. Retaining Walls, Shipping Locks, Fishways and Fish Screen. Revised Edition SNiP 2.06.07-87	2012	Design
85	VSN 361-85 Installation of Technological Equipment on Foundations	1985	Design
86	SP 38.13330.2012 Set of Rules. Loads and Impacts on Hydraulic Structures (Wave, Ice and from Boats) SNiP 2.06.04-82*	2012	Design
87	SN 460-74, Section 5 Provisional Instruction on Contents and Presentation of Civil Working Drawings and Structures. Metal Structures. KM Drawings	1975	Construction
88	Geodetic Methods of Earth's Crustal Deformation Study at Geodynamical Polygons. Methodological Guideline. State Department of Geodesy and Cartography, Central Surveying and Mapping Research Institute, 1985.	1985	Engineering survey
89	GK INTP (GNTA)-03-010-03. Geodetic Cartographical Instructions. Standards and Regulations I, II, III and IV Class Leveling Survey Instruction	2003	Engineering survey
90	GK INTP -07-016-91. Rules of Laying the Underground Centres and Benchmarks at the Points of Geodetic and Leveling Network	1991	Engineering survey
91	VSN AS-90 Acceptance into Operation After the Facility	1990	Construction
92	VSN 01-87 Fire-Fighting Design Standards for Nuclear Power Plants	1987	Design
93	GKINP (GNTA)-17-195-99 Instructions for the Geodetic Instruments Calibration	1999	Engineering survey
94	SP 48.13330.2011 Set of Rules. Construction Management. Revised Edition SNiP 12-01-2004	2011	Design
95	PB 13-407-01 Unified Safety Rules During Blasting Operations	2001	Design
96	PB 03-428-02 Safety Rules During Construction of Underground Structures	2002	Design
97	SNiP 12-04-2002 Labor Safety in Civil Engineering	2002	Design
98	SN 527-80 Instruction for Designing Process-Related Steel Pipelined for Pressures up to 10 MPa	1980	Design
99	SO 153-34.20.501-2003 Rules of Technical Operation of Power Stations and Grids	2003	Design
100	SP 90.13330.2012 Thermal Power Plants	2012	Design
101	SNiP 3.05.05-84 Process Equipment and Process Pipelines	1984	Design
102	SanPin 2.3.2.1078-01 Hygienic Requirements for Safety and Nutrition Value of Food Products	2001	Design
103	NPB 237-97 Building Structures. Cable Penetration and Sealed Cable Inlet Fire Resistance Test Methods	1997	Design
104	RD EO 1.1.2.25.0363-2011 Digital (microprocessor) Relay Protection Devices and Computer-Aided Devices of Normal Operation Auxiliary Electric Installations, Safety-Related Systems and Emergency Power Supply Systems in Nuclear Stations. General Technical Requirements	2011	Design

Item	Title and designation	Issue year	Stages
105	RD 153-34.0-20.262-2002, SO 34.20.262-2002 Rules of Application of Flame-Retardant Coats for Cables in Power Generation Enterprises	2002	Design
106	STO 0062-2009 Anchor Stops	2009	Design
107	STO 002 099 64.01-2006 Regulations for Designing the Manufacture of Air Separation Products	2006	Design
108	STO 1.1.1.01.004.0441-2008 Programs for Training NPP Personnel for a Position (profession) and for Maintenance of Skills. Basic Requirements	2008	Design
109	STO 1.1.1.01.004.0644 -2010 Statement about Staffing and Advance Training of Personnel for Nuclear Power Plants	2010	Design
110	STO 1.1.1.02.001.0673-2006 Labor Protection Rules in Operating Mechanical Equipment and Heat Networks of NPPs Operated by FSUE Rosenergoatom Concern	2006	Design
111	STO 1.1.1.03.003.0879-2012 Commissioning of NPP Power Units Equipped with Water-Cooled Water-Moderated Power-Generating Reactors. Procedure for Carrying out and Acceptance of Adjustment Works on Process Systems and Equipment	2012	Design
112	STO 1.1.1.03.003.0880-2013 Commissioning of NPP Power Units Equipped with Water-Cooled Water-Moderated Power-Generating Reactors. Scope and Sequence of Adjustment Works. General	2013	Design
113	STO 1.1.1.03.003.0881-2012 Commissioning of NPP Power Units Equipped with Water-Cooled Water-Moderated Power-Generating Reactors. Terms and definitions	2012	Design
114	STO 1.1.1.03.003.0914-2013 Commissioning of NPP power units equipped with water-cooled water-moderated power-generating reactors. Procedure for carrying out and acceptance of I&C adjustment works	2013	Design
115	STO 79814898 108-2009 Parts and Elements of NPP Pipelines Made of Corrosion-Resistant Steel for Pressures up to 2,2 MPa (22 kgf/cm ²). Technical Requirements	2009	Design
116	STO 79814898 109-2012 (Added) Parts and Elements of NPP Pipelines Made of Corrosion-Resistant Steel for Pressures up to 2,2 MPa (22 kgf/cm ²). Pipes and Rolled Articles. List of Standard Products	2012	Design
117	STO SRO II 60542948 00009-2013 Parts and Elements of Groups B and C Pipelines for NPPs Made of Pearlitic Steels for Pressures up to 2,2 MPa (22 kgf/cm ²). List of Standard Products	2013	Design
118	STO TsKTI 011-2007 Steam and Water Sampling Devices for NPPs. General Technical Requirements	2007	Design
119	STO 95 113-2013 Parts and Elements of Steam, Hot-Water, and Process Pipelines for NPPs Made of Pearlitic Steels for a Pressure of up to 2,2 MPa (22 kgf/cm ²). Pipelines and Rolled Articles. List of Standard Products	2013	Design

Item	Title and designation	Issue year	Stages
3. Third Party Standards			
To be determined later			
C. Guides			
1. Turkish National Guides			
1	A Guide on Format and Content of Site Report for Nuclear Power Plants / GK-GR-01, 2009	2009	Engineering survey
2	Guide on Specific Design Principles (Özel Tasarım İlkeleri Kılavuzu), 2012	2012	Design
3	A Guide on Establishing and Implementing a Quality Assurance Programme for Safety in Nuclear Installations / GK-KYS-01, 2009	2009	General guides
4	A Guide on Management of Non-Conformance Control and Corrective Actions for Safety in Nuclear Installations / GK-KYS-02, 2009	2009	General guides
5	A Guide on Management of Document Control and Records for Safety in Nuclear Installations / GK-KYS-03, 2009	2009	General guides
6	A Guide on Inspection and Testing for Acceptance for Safety in Nuclear Installations /GK-KYS-04, 2009	2009	General guides
7	A Guide on Assessment of the Implementation of the Quality Assurance Programme for Safety in Nuclear Installations / GK-KYS-05, 2010	2010	General guides
8	A Guide on Quality Assurance in Procurement of Items and Services for Safety in Nuclear Installations / GK-KYS-06, 2010	2010	General guides
9	A Guide on Quality Assurance in Manufacturing for Safety in Nuclear Installations / GK-KYS-07, 2011	2011	Construction
10	A Guide on Quality Assurance in Research and Development for Safety in Nuclear Installations /GK-KYS-08, 2011	2011	General guides
11	A Guide on Establishing and Implementing a Quality Assurance Programme in Siting for Safety in Nuclear Installations / GK-KYS-09, 2010	2010	Engineering survey
12	A Guide on Quality Assurance in Design for Safety in Nuclear Installations / GK-KYS-10, 2011	2011	Design
13	A Guide on Quality Assurance in Construction for Safety in Nuclear Installations / GK-KYS-11, 2011	2011	Construction
14	A Guide on Quality Assurance in Commissioning for Safety in Nuclear Installations / GK-KYS-12, 2011	2011	Commisioning
15	A Guide on Quality Assurance in Operation for Safety in Nuclear Installations / GK-KYS-13, 2011	2011	Operation
16	A Guide on Quality Assurance in Decommissioning for Safety in Nuclear Installations / GK-KYS-14, 2011	2011	Decommissioning
17	Directive on Determination of Licensing Basis Regulations, Guides and Standards and Reference Plant for Nuclear Power Plants, 2012	2012	General guides

Item	Title and designation	Issue year	Stages
18	A Guide on Owner and Authorization Application for Nuclear Installations (Nükleer Tesisler İçin Kurucu ve Yetkilendirme Başvuruları Kılavuzu), 2014	2014	General guides

2. IAEA Guides

1	NS-G-1.6 Seismic Design and Qualification for Nuclear Power Plants. Safety Guide. Safety Standards Series. Vienna, 2003	2003	Design
2	NS-G-3.2 Dispersion of Radioactive Material in Air and Water and Consideration of Population Distribution in Site Evaluation for Nuclear Power Plants. Safety Guide. Safety Standards Series. Vienna, 23 April, 2002	2002	Engineering survey
3	SSG-9 Seismic Hazards in Site Evaluation for Nuclear Installations (2010)	2010	Engineering survey
4	NS-G-3.6 Geotechnical Aspects of Site Evaluation and Foundations for Nuclear Power Plants. Safety Guide. Safety Standards Series. Vienna, 01 April, 2005	2005	Engineering survey
5	NS-G-1.5, External Events Excluding Earthquakes in the Design of Nuclear Power Plants, Safety Standards Series, IAEA	2003	Engineering survey
6	GS-G-2.1 Arrangements for Preparedness for a Nuclear or Radiological Emergency Safety Guide	2007	Operation
7	GS-G-3.1, Application of the Management System for Facilities and Activities, 2006	2006	General guides
8	GS-G-3.2 The Management System for Technical Services in Radiation Safety Safety Guide	2008	General guides
9	GS-G-3.3 The Management System for the Processing, Handling and Storage of Radioactive Waste Safety Guide	2008	General guides
10	GSG-1 Classification of Radioactive Waste General Safety Guide	2009	Operation & Decommissioning
11	GSG-2 Criteria for Use in Preparedness and Response for a Nuclear or Radiological Emergency General Safety Guide	2011	Design
12	RS-G-1.1 Occupational Radiation Protection Safety Guide	1999	Operation & Decommissioning
13	RS-G-1.3 Assessment of Occupational Exposure Due to External Sources of Radiation Safety Guide	1999	Design & Operation
14	RS-G-1.4 Building Competence in Radiation Protection and the Safe Use of Radiation Sources Safety Guide	2001	Design & Operation
15	RS-G-1.8 Environmental and Source Monitoring for Purposes of Radiation Protection Safety Guide	2005	Design & Operation
16	WS-G-2.3, Regulatory Control of Radioactive Discharges to the Environment, 2000	2000	Design & Operation
17	WS-G-2.5 Predisposal Management of Low and Intermediate Level Radioactive Waste Safety Guide	2003	Operation
18	WS-G-2.6 Predisposal Management of High Level Radioactive Waste Safety Guide	2003	Operation

Item	Title and designation	Issue year	Stages
19	WS-G-5.1 Release of Sites from Regulatory Control on Termination of Practices Safety Guide	2006	Decommissioning
20	WS-G-5.2 Safety Assessment for the Decommissioning of Facilities Using Radioactive Material Safety Guide	2009	Decommissioning
21	WS-G-6.1 Storage of Radioactive Waste Safety Guide	2006	Design & Operation
22	GS-G-1.1 Organization and Staffing of the Regulatory Body for Nuclear Facilities Safety Guide	2002	General guides
23	GS-G-1.2 Review and Assessment of Nuclear Facilities by the Regulatory Body Safety Guide	2002	General guides
24	GS-G-1.3 Regulatory Inspection of Nuclear Facilities and Enforcement by the Regulatory Body Safety Guide	2002	General guides
25	GS-G-1.4 Documentation for Use in Regulating Nuclear Facilities Safety Guide	2002	General guides
26	GS-G-3.5 The Management System for Nuclear Installations Safety Guide	2009	General guides
27	NS-G-1.1 Software for Computer Based Systems Important to Safety in Nuclear Power Plants Safety Guide	2000	Design
28	NS-G-1.10 Design of Reactor Containment Systems for Nuclear Power Plants Safety Guide	2004	Design
29	NS-G-1.11 Protection against Internal Hazards other than Fires and Explosions in the Design of Nuclear Power Plants Safety Guide	2004	Design
30	NS-G-1.12 Design of the Reactor Core for Nuclear Power Plants Safety Guide	2005	Design
31	NS-G-1.13 Radiation Protection Aspects of Design for Nuclear Power Plants Safety Guide	2005	Design
32	NS-G-1.3 Instrumentation and Control Systems Important to Safety in Nuclear Power Plants Safety Guide	2002	Design
33	NS-G-1.4 Design of Fuel Handling and Storage Systems in Nuclear Power Plants Safety Guide	2003	Design
34	NS-G-1.7 Protection Against Internal Fires and Explosions in the Design of Nuclear Power Plants Safety Guide	2004	Design
35	NS-G-1.8 Design of Emergency Power Systems for Nuclear Power Plants Safety Guide	2004	Design
36	NS-G-1.9 Design of the Reactor Coolant System and Associated Systems in Nuclear Power Plants Safety Guide	2004	Design
37	NS-G-2.1 Fire Safety in the Operation of Nuclear Power Plants Safety Guide	2000	Design
38	SSG-25 Periodic Safety Assessment of Nuclear Power Plants 2013	2013	Operation
39	NS-G-2.11 A System for the Feedback of Experience from Events in Nuclear Installations Safety Guide	2006	Operation
40	NS-G-2.12 Ageing Management for Nuclear Power Plants Safety Guide	2009	Operation

Item	Title and designation	Issue year	Stages
41	NS-G-2.14 Conduct of Operations at Nuclear Power Plants Safety Guide	2008	Operation
42	NS-G-2.15 Severe Accident Management Programmes for Nuclear Power Plants Safety Guide	2009	Operation
43	NS-G-2.2 Operational Limits and Conditions and Operating Procedures for Nuclear Power Plants Safety Guide	2000	Operation
44	NS-G-2.3 Modifications to Nuclear Power Plants Safety Guide	2001	Operation
45	NS-G-2.4 The Operating Organization for Nuclear Power Plants Safety Guide	2001	Operation
46	NS-G-2.5 Core Management and Fuel Handling for Nuclear Power Plants Safety Guide	2002	Design
47	NS-G-2.6 Maintenance, Surveillance and In-service Inspection in Nuclear Power Plants Safety Guide	2002	Operation
48	NS-G-2.7 Radiation Protection and Radioactive Waste Management in the Operation of Nuclear Power Plants Safety Guide	2002	Operation
49	NS-G-2.8 Recruitment, Qualification and Training of Personnel for Nuclear Power Plants Safety Guide	2002	Operation
50	NS-G-2.9 Commissioning for Nuclear Power Plants Safety Guide	2003	Commissioning
51	NS-G-3.1 External Human Induced Events in Site Evaluation for Nuclear Power Plants, 2002	2002	Engineering survey
52	SSG-12 Licensing Process for Nuclear Installations Specific Safety Guide	2010	General guides
53	SSG-13 Chemistry Programme for Water Cooled Nuclear Power Plants Specific Safety Guide	2011	Design & Operation
54	SSG-2 Deterministic Safety Analysis for Nuclear Power Plants Specific Safety Guide	2010	Design
55	SSG-3 Development and Application of Level 1 Probabilistic Safety Assessment for Nuclear Power Plants Specific Safety Guide	2010	Design
56	SSG-4 Development and Application of Level 2 Probabilistic Safety Assessment for Nuclear Power Plants Specific Safety Guide	2010	Design
57	WS-G-2.1 Decommissioning of Nuclear Power Plants and Research Reactors Safety Guide	1999	Decommissioning
58	SSG-18 Meteorological and Hydrological Hazards in Site Evaluation for Nuclear Installations	2011	Engineering survey
59	RS-G-1.2 Assessment of Occupational Exposure Due to Intakes of Radionuclides Safety Guide	1999	General guides
60	SSG-16 Establishing the Safety Infrastructure for a Nuclear Power Development Programme	2011	General guides
61	SSG-21 Volcanic Hazards in Site Evaluation for Nuclear Installations	2012	Engineering survey
62	SSG-28 Commissioning for Nuclear Power Plants, 2014	2014	Commissioning
63	SSG-30 Safety Classification of Structures, Systems and Components in Nuclear Power Plants	2014	Design

Item	Title and designation	Issue year	Stages
3. Russian Federation Guides			
1	SP 40-102-2000 Design and Mounting of Water Supply and Sewer Pipelines from Polymeric Materials	2000	Design & Construction
2	SP 40-103-98, Design and Installation of Cold and Hot Water Supply Systems Using Metalpolymeric Pipes	1998	Design
3	SP 40-104-2001 Design and Assembly of Underground Water Pipelines Made of Glass-Reinforced Plastic Pipes	2001	Design
4	SP 40-105-2001 Design and Installation of Underground Sewer Pipelines Made of Glass-Reinforced Plastic Pipes	2001	Design
5	SP 40-107-2003 Design, Assembly and Operation of Plumbing Systems of Polypropylene Pipes	2003	Design
6	SP 40-108-2004 Design and Assembly of Building Water Supply and Heating Systems Made of Copper Pipes	2004	Design
7	SP 66.13330.2011 Design and Construction of Pressure Water Supply and Drain Systems Using Pipes Made of High-Strength Cast Iron with Spheroidal Graphite	2011	Design
8	Tables for the Hydraulic Calculation of Sewer Networks and Sag Pipes Using the Formula of Academician N. Pavlovsky. A Reference Guide. A.A. Lukinykh, N.A. Lukinykh	1974	Design
9	Tables for the Hydraulic Design of Water Supply Pipes. Reference Guide. F.A. Shevelev, A.F. Shevelev	1973	Design
10	SP 1.13130.2009 Fire Protection Systems. Evacuation Routes and Exits	2009	Design
11	SP 2.13130.2012 Set of Rules. Fire Protection Systems. Fire Proofing at Object of Defense with Rev. No.1 of October 23, 2013 No.678	2012	Design
12	SP 3.13130.2009 Fire Protection Systems. Warning System and Evacuation in Case of Fire. Fire Safety Requirements	2009	Design
13	SP 4.13130.2013 Systems of Fire Protection. Restriction of Fire Spread at Object of Defence. Requirements to Special Layout and Structural Decisions	2013	Design
14	SP 5.13130.2009 Fire Protection Systems. Fire Alarm and Fire Extinguishing Automated Systems. Design Standards and Rules	2009	Design
15	SP 6.13130.2013 Fire Protection Systems. Electrical Equipment. Fire Safety Requirements	2013	Design
16	SP 7.13130.2013 Heating, Ventlation and Air Conditioning. Fire Safety Requirements	2013	Design
17	SP 8.13130.2009 Fire Protection Systems. Outdoor Sources for Fire Water Supply. Fire Safety Requirements	2009	Design
18	SP 9.13130.2009 Fire Equipment. Fire Extinguishers. Operating Requirements	2009	Design
19	SP 10.13130.2009 Fire Protection Systems. Internal Fire Water Systems. Fire Safety Requirements	2009	Design

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20	SP 11.13130.2009 The Location of Fire Protection Units. Procedure and Method for Determination	2009	Design
21	SP 13.13130.2009 Nuclear Power Stations. Fire Safety Requirements	2009	Design
22	SP 17.13330.2011 Building Regulations. Part II. Design Standards. Chapter 26. Roof.	2011	Design
23	SP 64.13330.2011 Wooden Construction. Actualized Edition of SNiP II-25-80	2011	Design
24	SP 36.13330.2012 Trunk Pipelines. Revised Edition SNiP2.05.06-85*	2012	Design
25	SP 128.13330.2012 Set of Rules. Aluminium Structures. Revised Edition SNiP 2.03.06-85	2012	Design
26	SP 33.13330.2012 Stress Calculation of Steel Pipelines. Revised Edition SNiP 2.04.12-86	2012	Design
27	SNiP 3.04.01-87 Insulation and Finish Coates	1987	Design
28	SP 52.13330.2011 Natural and Artificial Lighting. Code of Practice. Actualized Edition of SNiP 23-05-95 *	1995	Design
29	SNIP 05/31/2003 Public Buildings for Administrative Purposes	2003	Design
30	RD 153-34.0-45.512-97 Typical Manual Gazomaslyanoy System Hydrogen Cooling of Generators	1997	Design
31	RD 34.03.304-87 Rules for Making Fire-Fire-Resistant Sealing Requirements of Cable Lines	1987	Design
32	RD EO 0586-2004 Design Norms of Thermal Insulation of Equipment and Pipelines of Nuclear Power Plants	2004	Design
33	MUK 2.6.1.29-2000 Guidelines on the Calculation of Allowable Discharges of Radioactive Substances into Surface Water Plant	2000	Design
34	MU 1.3.2.06.027.0017-2010 Guidelines. Calculation and Justification of the Size of the Sanitary Protection Zone and Surveillance Zone around the Nuclear Power Plant	2010	Design
35	SP 11-110-99 Supervision of Construction of Buildings and Structures	1999	Design
36	SP 11-105-97 Code of Practice. Engineering Geological Site Investigations for Construction. Part I -VI	1997	Engineering survey
37	SP 11-104-97 Code of Practice. Engineering Geodetic Surveys for Construction	1997	Engineering survey
38	SP 11-103-97 Engineering and Hydrometeorological Survey for Construction	1997	Engineering survey
39	SP 33-101-2003. Code of Practice. Design and Construction. Determination of Design Hydrological Performance	2003	Engineering survey
40	SP 11-102-97 Engineering Environmental Surveys for Construction Ppurposes	1997	Engineering survey
41	SP 52-101-2003 Code of Rules "Concrete and Concrete Reinforced Structures without Prestressed Valves"	2003	Construction

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42	SP 53-102-2004 Code of Rules "General Rules of Steel Structures Design"	2004	Construction
43	SP 50-101-2004 Code of Rules "Design and Arrangement of Buildings Pedestals and Foundations"	2004	Construction
44	SP 50-102-03 Design and Arrangement of Pile Foundations	2003	Construction
45	SP 52-102-2004 Prestressed Concrete Reinforced Structures	2004	Construction
46	SP 53-101-98 Fabrication and Quality Control of Concrete Reinforced Structures	1998	Construction
47	RDMU 34-590.41-85 Methodic Guidelines on Design of the Arrangement and Mechanization of Repair Works at NPPs	1985	Operation
48	RD 210.006-90 Process Design Codes of NPP with WWER	1990	Design
49	RB-006-98 Determining the Input Seismic Ground Motions for Design Bases	1998	Engineering survey
50	RD 04-15-94 Statement on the Procedure for Checking the Knowledge of Rules, Regulations and Instructions for Safety of the Personnel of Nuclear Power Stations and Operating Organizations	1994	Operation
51	RB-021-01 Assessment of the Reactor Core Heavy Damage Frequency	2001	Design
52	RB-022-01 Recommendations on Evaluation of Tornado Characteristics for Nuclear Facilities	2001	Design
53	RD EO 0052-00 with Change 2 Diesel Generator Plants for NPPs. General Technical Requirements	2000	Operation
54	RD 95 10547-99 Guidelines for the Application of the Leak-Before-Break Concept to the Pipelines of Nuclear Power Installations (R-TPR-99)	1999	Operation
55	RD 153-34.0-49.105.01 Design Norms of Automatic Installations for Water Fire Fighting of Cable Structures	2001	Design
56	Safety guide. "Recommendations for Arrangement and Safe Operation of Process Pipelines" (Order of the Russian Technical Supervision Service No. 784 of 27.12.2012)	2012	Design & Operation
57	RB G-05-039-96 Guidelines for Analysis of the Danger from Accidental Explosions and Identification of its Mechanical Impact Parameters	1996	Design
58	RD 10-400-01 Standards for Strength Computation of Heat Supply Pipelines	2001	Design
59	RD 10-577-03 (SO 153-34.17.421-2003) General Procedure for Metal Inspection and Lifetime Extension of the Mail Elements of the Boilers, Turbines and Pipelines at Fossil Fuel Power Stations	2003	Operation
60	RD 36-62-00 Lifting Equipment. General Technical Requirements	2000	Operation
61	RD 78.143-92 Protective Alarm Systems and Sets. Elements of the Technical Strength of the Objects. Standards for Design	1992	Design
62	RD 95 540-88 Procedure. Order of Design Development and Production of the Nuclear Reactor Cores and its Components	1988	Design

Item	Title and designation	Issue year	Stages
63	RD 95 10544-99 Systems of Physical Protection for Nuclear Materials and Facilities. Procedure for Design Arrangements	1999	Design
64	RD EO 0554-2005 Nuclear Power Plants. Safety Significant Control Systems. Design. Upgrading, Operation. General Provisions	2005	Design
65	Special Conditions of Delivery of Equipment, Instruments, Materials and Items for Nuclear Power Engineering Facilities with Respect of the Technical Decision of 18.06.2001, Approved by ZAO ASE and VO «Safety»	2001	Operation
66	MDS - 21.1-98 Prevention of Fire Spread	1998	Construction
67	MDS - 21-2.2000 Methodic Recommendations on Fire Rating and Fire Safety of Concrete Reinforced Structures	2000	Construction
68	RD 95 10528-96 Guide on Parameters and Loads Determination on NPP Steel Structures	1996	Design
69	Guide on NPP Buildings Concrete Reinforced Structures Calculation on External Blast Loads Effect (Approved by the Head of the 26th Directorate of RF Minatom, A.L. Lapshin 20.03.92)	1992	Design
70	RD 95 10534-96 Guide on Loads Determination on NPP Civil Structures and Equipment at Containers and Other Bodies Falling down to the Pool Filled With Water	1990	Design
71	Rules for Arrangement of Electric Installations PUE, 6th Edition	2000	Operation
72	Rules for Arrangement of Electric Installations PUE, 7th Edition, Sections 6, 7	2002	Operation
73	PEEP (6-th edition, 2003) Rule for Operation of Consumption Power Facilities	2003	Operation
74	RB-024-11 Provisions of Main Recommendations on Conducting Level 1 Probabilistic Safety Assessment for Internal Initiating Events occurring at All Plant Operational Modes	2011	Design
75	RB-032-04 Main Recommendations on NPP PSA execution, 2004	2004	Design
76	RD 95-10532-96 Manual on Determination of Shock Waves Parameters at Primary Circuit Pipelines Rupture, Excessive Pressure in the Containment Rooms and Loads from Stream Effect on NPP Enclosing Structures	1996	Design
77	RD-03-34-2000 Requirements to Contents and Composition of Verification Report and Justification of SW Applied for Justification of Nuclear Power Utilization Facilities Safety	2000	Design
78	RD-03-33-2008 Instruction on Expert Review of Software Used During Justification and/or Provision of Safety of Nuclear Installations	2008	Operation
79	SO 153-34.03.603-2003 Procedure for Application and Testing of Protection Devices used at Power Facilities	2003	Operation
80	SO 153-34.11-7-2003 Waterworks in Seismic Areas	2003	Design
81	SO 153-34.21.122-2003 Procedure for Design of Lightning Protection at Buildings, Structures and Industrial Lines	2003	Operation

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82	SO 153-34.45.310 (RD 34.45.310-89) Instructions for Integrated Testing of Generators and Generator-Transformer Units at Power Plants	1989	Design
83	SO 34.45-51.300-97 (RD 34.45-51.300-97) The Scope and Norms of Electrical Tests	1997	Design
84	SO 34.35.125-99 (RD 153-34.3-35.125-99) Guidelines for protection of electrical networks 6-1150 kV against lightning and internal overvoltages	1999	Design
85	RB-044-09 Main Recommendations for Probabilistic Safety Analysis, Level 2, for Nuclear Plants with WWER Reactors	2009	Design
86	RB-045-08 Dynamic Monitoring of Structural Components at Nuclear Energy Facilities	2008	Construction
87	RB-041-07 Guide on the Conduct of Periodic Safety Assessment of a Nuclear Plant Unit	2007	Design & Operation
88	RB-040-09 Computational Correlations and Techniques for Calculating Hydrodynamic and Thermal Characteristics of Components of Water-Cooled Nuclear Power Facilities	2009	Design
89	OIT-0004-1999 System for Certification of Equipment, Items and Processes for Nuclear Installations, Radiation Sources and Storage Locations. Certification Procedure	1999	Construction
90	OIT-0013-2000 Nomenclature of Equipment, Items and Processes for Nuclear Installations, Radiation Sources and Storage Locations Required to Undergo Mandatory Certification in the System for Certification of Equipment, Items and Processes for Nuclear Installations, Radiation Sources and Storage Locations	2000	Construction
91	RD-03-36-2002 Conditions of Supply of Imported Equipment, Items, Materials and Utilities for Nuclear Facilities, Radiation Sources and Storage Facilities of the Russian Federation, Gosatomnadzor of Russia, 2002	2002	Operation
92	RD-05-03-2007 Requirements to the Composition of the Package and the Content of the Documents Justifying the Activity in Design and Manufacture of the Equipment for Nuclear Energy Facilities, Gosatomnadzor of Russia, order 871, 07.12.2007	2007	Design
93	RD-03-58-2001 Requirements to the Composition and the Content of the Information on Justification of Technical Safety of Steam and Water-Boilers, Pressure Vessels, Steam and Hot Water Pipes, Hoisting Cranes of Nuclear Energy Facilities, Gosatomnadzor of Russia, 2001	2001	Design
94	RD-04-01-2005 The Regulations on Certificate for Reactor Unit of Nuclear Power Plants	2005	Design
95	RD-04-22-96 Guidelines on Assessment of Reliability of the Integral Testing of the System of Confinement of Nuclear Power Plants	1996	General requirements

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96	RD 25.818-87 General Technical Requirements and Methods of Testing for Seismic Resistance of Instruments and Means of Automation Being Delivered to NPP	1987	Construction
97	RD 34.45-51.300-97 Scope and Test standards for Electric Equipment, 1997	1997	Operation
98	RD 95 10527-95 Temporary Design Standards for Physical Protection Systems of Nuclear Power Plants	1995	Design
99	STO 1.1.1.01.0069-2013 Regulations on Arrangement of Maintenance and Repair of NPP System and Equipment	2013	Operation
100	The Organization Works with the Staff at Nuclear Power Plants (Order of Rosatom from 15.02.2006 No. 60. Order of the Concern "Rosenergoatom" from 28.03.2006 No. 23)	2006	General requirements
101	MR 1.5.2.05.999.0025-2011 Calculation and Design of Earthquake-Resistant Nuclear Power Plants	2011	Design
102	MR 1.5.2.05.999.0026-2011 Standards for Designing Main Structures of Nuclear Power Plants	2011	Design
103	MR 1.5.2.05.999.0027-2011 Design Standards for Earthquake Resistance for Nuclear Power Plants	2011	Design
104	RD EO-0159-99 Provision of Psycho-Physiological Laboratory Facility to Ensure the Use of Atomic Energy (typical), Minatom of Russia, 1999	1999	Operation
105	RD-01-07-2006 Regulations on the Department for the Regulation of Safety of Nuclear Fuel Cycle Facilities, Supervision over Accounting and Control of Nuclear Materials and Radioactive Substances and Physical Protection	2006	Operation
106	OPKP AES-90 Main Provisions on Selection, Preparation, Admission to Operation and Monitoring in the Process of Operation of Nuclear Power Plant Personnel	1990	Operation
107	RD EO 1.1.2.99.0007-2011 A Standard Instruction for Operation of Production Buildings and Structures at NPPs	2011	Operation
108	The Technical Operation of Electric Consumers, ed. 5-e, 1999 (Ministry of Fuel and Energy of the Russian Federation, Chief Directorate of The State Energy Supervision Glavgosenergonadzor of Russia)	1999	Operation
109	Time Criteria for Decision Making When Dealing with Soils, Solid Construction, Industrial and Other Wastes Containing Gamma-Emitting Radionuclides, 1992 (Approved by the Chief State Medical Officer of the Russian Federation, E.N. Beliaev, 1992)	1992	Design
110	RD EO 0606-2005 (MRKR-SHR-2004) Methods of Calculating the Resistance of Reactor Vessels for VVER NPP to Brittle Fracture	2005	Design
111	SPiR-O-2008 Set of Rules and Guidelines for the Supporting Structures of NPP Elements for VVER	2008	Design

Item	Title and designation	Issue year	Stages
112	RTD 2730.300.10-2000 Welding and Welding Parts and Assembly Units of Nuclear Power Plants from Corrosion-Austenitic Steels. Technical Requirements	2000	Design
113	I-2730.91.03-92 Execution for Control of Surfacing and Conduct Destructive Testing of Weld Metal During Checking Welding (Surfacing) Material Intended for Corrosion Protection Coatings NPP Equipment and Pipelines	1992	Design
114	OND-86 (All-Union Regulatory Document) Methodology for Calculation of Concentrations of Hazardous Substance Contained in Industrial Emissions in the Atmospheric Air	1986	Design
115	OST 41-05-263-86 Groundwater. Classification by Chemical Composition and Temperature	1986	Design
116	GKINP (ONTA)-01-271-03 Guidance for Creation and Reconstruction Urban Geodetic Network with Use Satellite System GLONASS/GPS	2003	Design
117	RD EO 1.1.2.11.0805-2010 Water Chemistry in the Turbine Generator Stator Winding Cooling System at VVER-Based NPPs	2010	Design
118	RD EO 0334-02 A Procedure for Calculating the Reactor Coolant Leak in SG Water at NPPs Equipped with VVER-1000 reactors, Moscow, 2001	2002	Design
119	RD EO 0333-02 A Procedure for Radiation Monitoring on Reactor Coolant Leak in SG Water at NPPs Equipped with VVER-1000 reactors, Moscow, 2001.	2002	Design
120	RD EO 1.1.2.01.0869-2012 Statement for Control of Non-Conformances in Commissioning New NPP Power Units	2012	Design
121	A Guide for Operation of Civil Airfields in the Russian Federation About Light Marking of Tall and Extended Structures. REGA RF-94	1994	Design
122	RD EO 0638-2005 A Guide for Setting up Local Announcement Systems in NPP Location Regions.	2005	Design
123	SO 153-34.03.204, RD 34.03.204 Safety Regulations in Working with Tools and Accessories	2008	Design
124	RD EO 1.1.2.25.0161-2009 Operating Organization Guiding Document. Requirements for Carrying out Incoming and Operational Inspections of Ion-Exchange Resins for NPPs Equipped with Water-Cooled Water-Moderated Power-Generating Reactors	2009	Design
125	RTM TEP-01-77 Guiding Technical Material. Guidelines on Designing Heating and Ventilation Systems for Storage Battery and Acid Storage Rooms at Thermal and Nuclear Power Plants	1977	Design
126	Standard Regulation on Certifying Managers, Specialists, and Employees of JSC Rosenergoatom Concern (JSC Rosenergoatom Concern's Order No. 11123 dated 27.08.2010).	2010	Design

Item	Title and designation	Issue year	Stages
127	RD EO 1.1.2.28.0781-2008 Systems for Automated Chemical Monitoring of Water Media at NPPs Equipped with a VVER-1000 Water-Cooled Water-Moderated Power-Generating Reactors. General Technical Requirements	2008	Design
128	TP 1.3.3.3.99.0076-2010 Standard List of Job Tasks for the Positions of Operative Personnel for Which Rostekhnadzor Permissions on Conducting the Technological Process at NPPs Shall be Granted	2010	Design
129	R 50.1.028-2001 Information Technologies Required for Maintenance of Life Cycles of Products. Functional Simulation Methods	2001	Design
130	R 50.1.029-2001 Interactive Electronic Manuals. General Requirements for Contents, Styles and Formats	2001	Design
131	R 50.1.030-2001 Information Technologies Required for Maintenance of Life cycles of Products. Interactive Electronic Manuals. Requirements for Logic Structures of Databases	2001	Design
132	RD 153-34.0-20.527-98 Guidelines for Calculations of Short-Circuit Current and Selection of Electric Equipment	1998	Design
133	MU 34-70-035-83, CO 34.20.807 Methodical Guidelines for Calculating Protections in the DC Power System of Thermal Power Plants and Substations	1983	Design
134	RD 52.04.253-90 Methodology of Predicting the Extent of Contamination with Highly Toxic Substances at Accidents (Destruction) on Chemically Hazardous Facilities and Transport	1990	Design

4. Third Party Guides

1	US NRC Regulatory guide RG 1.97 -only for PAMS 1983 Instrumentation for light-water-cooled nuclear power plants to asses plant and environs conditions during and following an accident	1983	Design
2	Basic provisions of KKS Revision 4, 1995	1995	Design
3	Volume A. General guide on KKS application Revision 1, 1988	1988	Design
4	Volume B. Section B1. Guide on KKS application in heat-mechanics Revision 1, 1988	1988	Design
5	Volume B. Section B2. Guide on KKS application in the construction Revision 1, 1988	1988	Design
6	Volume B. Section B3. Guide on KKS application in electrical engineering and I&C Revision 1, 1988	1988	Design
7	Volume B. Section B4. Guide on KKS application in I&C Revision 1, 1993	1993	Design
8	KKS Codes Reference Book, 1991	1991	Design
9	USNRC RG 1.208, A Performance-Based Approach to Define the Site-Specific Earthquake Ground Motion, 2007.	2007	Design
10	ASCE 4-98 Seismic Analysis of Safety-Related Nuclear Structures and Commentary, American Society of Civil Engineers, 1998.	1998	Design

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11	ASCE 43-05 Seismic Design Criteria for Structures, Systems, and Components in Nuclear Facilities	2005	Design