

SUPERSEDED STANDARDS AND OBSOLETE STANDARDS

The tables below provide hyperlinks to searchable pdfs of superseded publications and obsolete publications in the IAEA Safety Standards Series and in the IAEA Safety Series, organized by series number. Although these superseded publications and obsolete publications are not valid safety standards of the IAEA, their content may be of interest. The current safety standard that supersedes the earlier publication is also indicated, where this could be determined.

The IAEA Safety Series ran from 1958 to 1996 and comprised both safety standards and other safety related publications. The IAEA Safety Standards Series superseded the IAEA Safety Series in 1996. Several publications in the IAEA Safety Standards Series have since been revised and reissued.

These tables will be updated from time to time as safety standards are revised, and as information is gathered on the evolution of their content. Feedback on this project is welcome from current and former users of IAEA safety standards. Please email to safety.standards@iaea.org.

SUPERSEDED PUBLICATIONS IN THE IAEA SAFETY STANDARDS SERIES

Superseded publication		Current publication	
Number	Title	Number	Title
GS-R-1	Legal and Governmental Infrastructure for Nuclear, Radiation, Radioactive Waste and Transport Safety (2000) Arabic , English , Chinese , French , Russian , Spanish	GSR Part 1 (Rev. 1)	Governmental, Legal and Regulatory Framework for Safety (2016) English
GSR Part 1	Governmental, Legal and Regulatory Framework for Safety (2010) Arabic , Chinese , English , French , Russian , Spanish		
GS-R-2	Preparedness and Response for a Nuclear or Radiological Emergency (2002) Arabic , English , Chinese , French , Russian , Spanish	GSR Part 7	Preparedness and Response for a Nuclear or Radiological Emergency (2015) English
GS-R-3	The Management System for Facilities and Activities (2006) Arabic , Chinese , English , French , Russian , Spanish	GSR Part 2	Leadership and Management for Safety (2016) English
GSR Part 3 (Interim)	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards, Interim Edition (2011) English	GSR Part 3	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian
GSR Part 4	Safety Assessment for Facilities and Activities (2009) Arabic , Chinese , English , French , Russian , Spanish	GSR Part 4 (Rev. 1)	Safety Assessment for Facilities and Activities (2016) English
NS-G-1.1	Software for Computer Based Systems Important to Safety in Nuclear Power Plants (2000) Chinese English French	SSG-39	Design of Instrumentation and Control Systems for Nuclear Power Plants (2016) English
NS-G-1.2	Safety Assessment and Verification for Nuclear Power Plants (2001) Chinese English French Russian Spanish	SSG-2	Deterministic Safety Analysis for Nuclear Power Plants (2009) English , Spanish Russian
		SSG-3	Development and Application of Level 1 Probabilistic Safety Assessment for

Superseded publication		Current publication	
Number	Title	Number	Title
		SSG-4	Nuclear Power Plants (2010) English Russian Development and Application of Level 2 Probabilistic Safety Assessment for Nuclear Power Plants (2010) English Russian
NS-G-1.3	Instrumentation and Control Systems Important to Safety in Nuclear Power Plants (2002) Chinese English French Russian	SSG-39	Design of Instrumentation and Control Systems for Nuclear Power Plants (2016) English
NS-G-1.8	Design of Emergency Power Systems for Nuclear Power Plants (2004) English Russian	SSG-34	Design of Electrical Power Systems for Nuclear Power Plants (2016) English
NS-G-2.9	Commissioning for Nuclear Power Plants (2003) English	SSG-28	Commissioning for Nuclear Power Plants (2014) English
NS-G-2.10	Periodic Safety Review of Nuclear Power Plants (2003) English , Russian	SSG-25	Periodic Safety Review for Nuclear Power Plants (2013) English
NS-G-3.3	Evaluation of Seismic Hazards for Nuclear Power Plants (2002) English Russian	SSG-9	Seismic Hazards in Site Evaluation for Nuclear Installations (2010) English
NS-G-3.4	Meteorological Events in Site Evaluation for Nuclear Power Plants (2003) English , Russian	SSG-18	Meteorological and Hydrological Hazards in Site Evaluation for Nuclear Installations (2011) English
NS-G-3.5	Flood Hazard for Nuclear Power Plants on Coastal and River Sites (2003) English , Russian		
NS-R-1	Safety of Nuclear Power Plants: Design (2000) Chinese , English , French , Russian , Spanish	SSR-2/1 (Rev. 1)	Safety of Nuclear Power Plants: Design (2016) English
SSR-2/1	Safety of Nuclear Power Plants: Design (2012) Arabic , Chinese , English , French , Russian , Spanish		
NS-R-2	Safety of Nuclear Power Plants: Operation (2000) Chinese English , French , Russian , Spanish	SSR-2/2 (Rev. 1)	Safety of Nuclear Power Plants: Commissioning and Operation (2016) English
SSR-2/2	Safety of Nuclear Power Plants: Commissioning and Operation (2010) Arabic , Chinese , English , French , Russian , Spanish		
NS-R-3	Site Evaluation for Nuclear Installations (2003) Arabic , Chinese , English , French , Russian , Spanish	NS-R-3 (Rev. 1)	Site Evaluation for Nuclear Installations (2016) English
NS-R-4	Safety of Research Reactors (2005) Arabic , Chinese , English , French , Russian , Spanish ,	SSR-3	Safety of Research Reactors (2016) English
NS-R-5	Safety of Nuclear Fuel Cycle Facilities (2008) English	NS-R-5 (Rev.1)	Safety of Nuclear Fuel Cycle Facilities (2014) Arabic , English , Chinese , Russian
TS-G-1.1	Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (ST-2) (2002) English Russian Spanish Advisory Material for the IAEA	SSG-26	Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (2012 Edition) (2014) English

Superseded publication		Current publication	
Number	Title	Number	Title
	Regulations for the Safe Transport of Radioactive Material (Rev.1) (2008) English , Spanish		
TS-G-1.6	Schedules of Provisions of the IAEA Regulations for the Safe Transport of Radioactive Material (2005 Edition) (2010) English Spanish Schedules of Provisions of the IAEA Regulations for the Safe Transport of Radioactive Material (2009 Edition) (2014) English	SSG-33	Schedules of Provisions of the IAEA Regulations for the Safe Transport of Radioactive Material (2012 Edition) (2015) English
TS-R-1	Regulations for the Safe Transport of Radioactive Material (1996 edition, ST-1, Revised) English French Spanish Regulations for the Safe Transport of Radioactive Material (2003) English Regulations for the Safe Transport of Radioactive Material (2005) Arabic Chinese English French Russian Spanish Regulations for the Safe Transport of Radioactive Material (2009) Arabic , Chinese , English , French , Russian , Spanish	SSR-6	Regulations for the Safe Transport of Radioactive Material (2012) Arabic , Chinese , English , French , Russian , Spanish
WS-G-1.1	Safety Assessment for Near Surface Disposal of Radioactive Waste (1999) Arabic , Chinese , English , French , Russian , Spanish	SSG-23	The Safety Case and Safety Assessment for the Disposal of Radioactive Waste (2012) English
WS-G-2.5	Predisposal Management of Low and Intermediate Level Radioactive Waste (2003) English , Spanish , Russian	SSG-40	Predisposal Management of Radioactive Waste from Nuclear Power Plants and Research Reactors (2016) English
WS-G-2.6	Predisposal Management of High Level Radioactive Waste (2003) English , Spanish , Russian	SSG-41	Predisposal Management of Radioactive Waste from Nuclear Fuel Cycle Facilities (2016) English
WS-R-1	Near Surface Disposal of Radioactive Waste (1999) Arabic , Chinese , English , French , Russian , Spanish	SSR-5	Disposal of Radioactive Waste (2011) Arabic , Chinese , English , French , Russian , Spanish
WS-R-2	Predisposal Management of Radioactive Waste, Including Decommissioning (2000) Arabic Chinese English French Russian Spanish	GSR Part 5	Predisposal Management of Radioactive Waste (2009) Arabic , Chinese , English , French , Russian , Spanish
		GSR Part 6	Decommissioning of Facilities (2014) Arabic , Chinese , English , Russian
WS-R-3	Remediation of Areas Contaminated by Past Activities and Accidents (2003) English	GSR Part 3	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian
WS-R-4	Geological Disposal of Radioactive Waste (2006) English	SSR-5	Disposal of Radioactive Waste (2011) Arabic , Chinese , English , French , Russian , Spanish
WS-R-5	Decommissioning of Facilities Using Radioactive Material (2006) English	GSR Part 6	Decommissioning of Facilities (2014) Arabic , Chinese , English , Russian

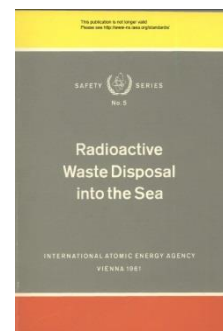
SUPERSEDED PUBLICATION IN THE PROVISIONAL SAFETY STANDARDS SERIES

Superseded publication		Current publication	
Number	Title	Number	Title
1	Volcanoes and Associated Topics in Relation to Nuclear Power Plant Siting (1997) English	SSG-21	Volcanic Hazards in Site Evaluation for Nuclear Installations (2012) English

SUPERSEDED AND OBSOLETE PUBLICATIONS IN THE IAEA SAFETY SERIES

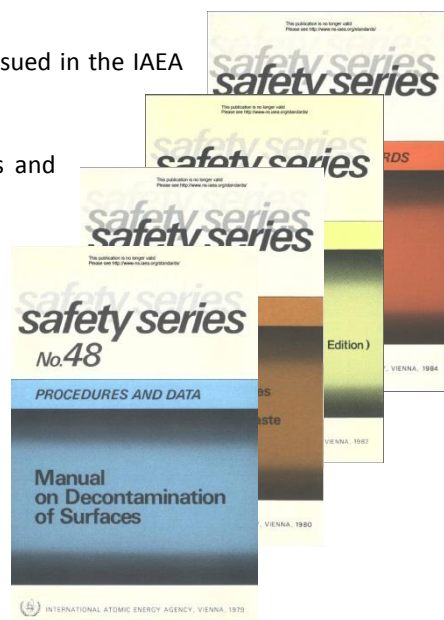
Altogether, over 230 different titles and editions of safety standards and other safety related publications were issued in the IAEA Safety Series. The first publication, a manual on Safe Handling of Radionuclides, was issued as IAEA Safety Series No. 1 in 1958. The last publication to be issued was IAEA Safety Series No. 120, a Safety Fundamental on Radiation Protection and the Safety of Radiation Source, published in 1996.

From 1958 to 1976, various categories of publication were issued in the IAEA Safety Series, including principles, codes of practice, regulations, guidance, manuals and reports from panels of experts. In general, the status of the text in each case is set out in the foreword to each publication.



From 1978 to 1990, four different categories of publication were issued in the IAEA Safety Series:

- IAEA Safety Standards (basic safety standards, regulations and codes of practice);
- IAEA Safety Guides (supplementing IAEA Safety Standards and recommending procedures that might be followed in implementing them);
- Recommendations (recommendations on safety practices);
- Procedures and Data (information on procedures, techniques and criteria pertaining to safety matters).



From 1990, five different categories of publication were issued:

- Safety Fundamentals (basic objectives, concepts and principles to ensure safety);
- Safety Standards (basic requirements which must be satisfied);
- Safety Guides (recommendations relating to the fulfilment of basic requirements);
- Safety Practices (practical examples and detailed methods);
- Safety Reports (independent reports from expert groups).



Superseded publication		Current publication	
Number	Title	Number	Title
1	Safe Handling of Radionuclides (1958) English Safe Handling of Radionuclides (1962) English Safe Handling of Radionuclides (1973) English	GSR Part 3	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian
2	Safe Handling of Radioisotopes: Health Physics Addendum (1960) English		
3	Safe Handling of Radioisotopes: Medical Addendum (1960) English		
4	Safe Operation of Critical Assemblies and Research Reactors (1961) English	SSR-3	Safety of Research Reactors (2016) English
5	Radioactive Waste Disposal Into the Sea (1961) English	content obsolete!	
6	Regulations for the Safe Transport of Radioactive Material (1961) English Regulations for the Safe Transport of Radioactive Material (1965) English Regulations for the Safe Transport of Radioactive Material (1967) English Regulations for the Safe Transport of Radioactive Material (1973) English Regulations for the Safe Transport of Radioactive Material (1985) English Regulations for the Safe Transport of Radioactive Material (Supplement 1986) English Regulations for the Safe Transport of Radioactive Material (Supplement 1988) English Regulations for the Safe Transport of Radioactive Material (1990) English	SSR-6	Regulations for the Safe Transport of Radioactive Material (2012 Edition) (2012) Arabic , Chinese , English , French , Russian , Spanish
7	Notes on Certain Aspects of the Regulations (1961) English Explanatory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (1985) English Explanatory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (as amended 1990) . English Chinese, French, Russian, Spanish	SSG-26	Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (2012 Edition) (2014) English

Superseded publication		Current publication	
Number	Title	Number	Title
8	The Use of Film Badges for Personnel Monitoring (1962) English French Russian Spanish	RS-G-1.3	Assessment of Occupational Exposure due to External Sources of Radiation (1999) Arabic , Chinese , English , French , Russian , Spanish
9	Basic Safety Standards for Radiation Protection (1962) English Basic Safety Standards for Radiation Protection (1967) English Basic Safety Standards for Radiation Protection (1982) English	GSR Part 3	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian
10	Disposal of Radioactive Wastes Into Fresh Water (1963) English	content obsolete!	
11	Methods of Surveying and Monitoring Marine Radioactivity (1965) English		
12	The Management of Radioactive Wastes Produced by Radioisotope Users (1965) English , French, Russian, Spanish	GSR Part 5	Predisposal Management of Radioactive Waste (2009) Arabic , Chinese , English , French , Russian , Spanish
13	The Provision of Radiological Protection Services (1965) English , French, Russian, Spanish	GSR Part 3	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian
14	Basic Requirements for Personnel Monitoring (1965) English , French, Russian, Spanish Basic Requirements for Personnel Monitoring (1980) English , French, Russian, Spanish	GSR Part 3 RS-G-1.1	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian Occupational Radiation Protection (1999) Arabic , Chinese , English , French , Russian , Spanish
15	Radioactive Waste Disposal Into the Ground (1965) English , French, Russian, Spanish	SSR-5	Disposal of Radioactive Waste (2011) Arabic , Chinese , English , French , Russian , Spanish
16	Manual on Environmental Monitoring in Normal Operation (1966) English , French, Russian, Spanish		
17	Techniques for Controlling Air Pollution from the Operation of Nuclear Facilities (1966) English , French		
18	Environmental Monitoring in Emergency Situations (1966) English , French, Russian, Spanish		
19	The Management of Radioactive Wastes Produced by Radioisotope Users: Technical Addendum (1966) English , French, Russian, Spanish		
20	Guide to the Safe Handling of Radioisotopes in Hydrology (1966) English	GSR Part 3	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian

Superseded publication		Current publication	
Number	Title	Number	Title
21	Risk Evaluation for Protection of the Public in Radiation Accidents (1967) English		
22	Respirators and Protective Clothing (1967) English French	RS-G-1.1	Occupational Radiation Protection (1999) Arabic , Chinese , English , French , Russian , Spanish
23	Radiation Protection Standards for Radioluminous Timepieces (1967) English		
24	Basic Factors for the Treatment and Disposal of Radioactive Wastes (1967) English French		
25	Medical Supervision of Radiation Workers (1967) English French		
26	Radiation Protection of Workers in the Mining and Milling of Radioactive Ores (1983) English Chinese French Russian Spanish	RS-G-1.6	Occupational Radiation Protection in the Mining and Processing of Raw Materials (2004) English , Spanish
27	Safety Considerations in the Use of Ports and Approaches by Nuclear Merchant Ships (1968) English		
28	Management of Radioactive Wastes at Nuclear Power Plants (1968) English		
29	Application of Meteorology to Safety at Nuclear Plants (1968) English	SSG-18	Meteorological and Hydrological Hazards in Site Evaluation for Nuclear Installations (2011) English
30	Manual on Safety Aspects of the Design and Equipment of Hot Laboratories (1969) English Manual on Safety Aspects of the Design and Equipment of Hot Laboratories (1981) English		
31	Safe Operation of Nuclear Power Plants (1969) English	SSR-2/2 (Rev. 1)	Safety of Nuclear Power Plants: Commissioning and Operation (2016) English
32	Planning for the Handling of Radiation Accidents (1969) English		
33	Guide to the Safe Design, Construction and Use of Radioisotopic Power Generators for Certain Land and Sea Applications (1970) English		
34	Guidelines for the Layout and Contents of Safety Reports for Stationary Nuclear Power Plants (1970) English	GS-G-4.1	Format and Content of the Safety Analysis Report for Nuclear Power Plants (2004) Chinese English
35	Safe Operation of Critical Assemblies and Research Reactors (1971) English Safe Operation of Research Reactors and Critical Assemblies (1984) English	SSR-3	Safety of Research Reactors (2016) English

Superseded publication		Current publication	
Number	Title	Number	Title
35-G1	Safety Assessment of Research Reactors and Preparation of the Safety Analysis Report (1994) English Chinese French Russian	SSG-20	Safety Assessment for Research Reactors and Preparation of the Safety Analysis Report (2012) English
35-G2	Safety in the Utilization and Modification of Research Reactors (1994) English French	SSG-24	Safety in the Utilization and Modification of Research Reactors (2012) English
35-S1	Code on the Safety of Nuclear Research Reactors: Design (1992) English French Russian Spanish	SSR-3	Safety of Research Reactors (2016) English
35-S2	Code on the Safety of Nuclear Research Reactors: Operation (1992) English French Russian Spanish		
36	Disposal of Radioactive Wastes Into Rivers, Lakes and Estuaries (1971) English	content obsolete!	
37	Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (1973) English Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (1985) English Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (1990) English Chinese French Russian Spanish Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (1991)	SST-26	Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (2012 Edition) (2014) English
38	Radiation Protection Procedures (1973) English		
39	Safe Handling of Plutonium (1974) English French		
40	Safe Use of Radioactive Tracers in Industrial Processes (1974) English French		
41	Objectives and Design of Environmental Monitoring Programmes for Radioactive Contaminants (1975) English		
42	Radiological Safety Aspects of the Operation of Neutron Generators (1976) English		
43	Manual on Radiological Safety in Uranium and Thorium Mines and Mills (1976) English		
44	Management of Wastes from the Mining and Milling of Uranium and Thorium Ores: A Code of Practice and Guide to the Code (1976) English	WS-G-1.2	Management of Radioactive Waste from the Mining and Milling of Ores (2002) English , Russian , Spanish
45	Principles for Establishing Limits for the Release of Radioactive Materials Into the Environment (1978) English	WS-G-2.3	Regulatory Control of Radioactive Discharges to the Environment (2000) Arabic , Chinese , English ,

Superseded publication		Current publication	
Number	Title	Number	Title
			French , Russian Spanish
46	Monitoring of Airborne and Liquid Radioactive Releases from Nuclear Facilities to the Environment (1978) English		
47	Manual on Early Medical Treatment of Possible Radiation Injury (1978) English		
48	Manual on Decontamination of Surfaces (1979) English		
49	Radiological Surveillance of Airborne Contaminants in the Working Environment (1979) English		
50	SEE NUSS SERIES of publications listed separately in the table below		
51	Development of Regulatory Procedures for the Disposal of Solid Radioactive Waste in Deep, Continental Formations (1980) English		
52	Factors Relevant to the Decommissioning of Land-based Nuclear Reactor Plants (1980) English	GSR Part 6	Decommissioning of Facilities (2014) Arabic , Chinese , English , Russian
53	Shallow Ground Disposal of Radioactive Wastes: A Guidebook (1981) English		
54	Underground Disposal of Radioactive Wastes: Basic Guidance (1981) English French Russian Spanish	SSG-14	Geological Disposal Facilities for Radioactive Waste (2011) English
55	Planning for Off-site Response to Radiation Accidents in Nuclear Facilities (1981) English		
56	Safety Assessment for the Underground Disposal of Radioactive Wastes (1981) English	WS-G-1.1	Safety Assessment for Near Surface Disposal of Radioactive Waste (1999) Arabic , Chinese , English , French , Russian , Spanish
57	Generic Models and Parameters for Assessing the Environmental Transfer of Radionuclides from Routine Releases: Exposures of Critical Groups (1982) English		
58	Concepts and Examples of Safety Analyses for Radioactive Waste Repositories in Continental Geological Formations (1983) English		
59	Disposal of Low- and Intermediate-level Solid Radioactive Wastes in Rock Cavities: A Guidebook (1983) English		
60	Criteria for Underground Disposal of Solid Radioactive Wastes (1983) English		
61	Control of Radioactive Waste Disposal Into the Marine Environment (1983) English	content obsolete!	
62	Site Investigations, Design, Construction, Operation, Shutdown and Surveillance of Repositories for Low- and Intermediate-Level Radioactive Wastes in Rock Cavities (1984) English		

Superseded publication		Current publication	
Number	Title	Number	Title
63	Design, Construction, Operation, Shutdown and Surveillance of Repositories for Solid Radioactive Wastes in Shallow Ground (1984) English		
64	Safety Analysis Methodologies for Radioactive Waste Repositories in Shallow Ground (1984) English		
65	Environmental Assessment Methodologies for Sea Dumping of Radioactive Wastes (1984) English	content obsolete!	
66	The Oceanographic and Radiological Basis for the Definition of High-Level Wastes Unsuitable for Dumping at Sea (1984) English	content obsolete!	
67	Assigning a Value to Transboundary Radiation Exposure (1985) English		
68	Performance Assessment for Underground Radioactive Waste Disposal Systems (1985) English		
69	Management of Radioactive Wastes from Nuclear Power Plants - Code of Practice (1985) English French Russian Spanish	GSR Part 5	Predisposal Management of Radioactive Waste (2009) Arabic , Chinese , English , French , Russian , Spanish
70	Management of Radioactive Wastes Produced by Users of Radioactive Materials (1985) English		
71	Acceptance Criteria for Disposal of Radioactive Wastes in Shallow Ground and Rock Cavities (1985) English		
72	Principles for Establishing Intervention Levels for the Protection of the Public in the Event of A Nuclear Accident or Radiological Emergency (1985) English		
73	Emergency Preparedness Exercises for Nuclear Facilities: Preparation, Conduct and Evaluation (1985) English Chinese French Russian Spanish		
74	Safety in Decommissioning of Research Reactors (1986) English	WS-G-2.1	Decommissioning of Nuclear Power Plants and Research Reactors (1999) Arabic , Chinese , English , French , Russian
75	See the INSAG SERIES of reports of the International Nuclear Safety Group, which provides recommendations and opinions on current and emerging nuclear safety issues to the IAEA, the nuclear community and the public.		
76	Radiation Protection Glossary (1986) English	IAEA Safety Glossary (2007) English Arabic Chinese French Russian Spanish	
77	Principles for Limiting Releases of Radioactive Effluents Into the Environment (1986) English	WS-G-2.3	Regulatory Control of Radioactive Discharges to the Environment (2000) Arabic , Chinese , English , French , Russian , Spanish
78	Definition and Recommendations for the Convention on the Prevention of Marine Pollution by Dumping of Wastes and		

Superseded publication		Current publication	
Number	Title	Number	Title
	Other Matter, 1972 - 1986 Edition (1986) English French Russian Spanish		
79	Design of Radioactive Waste Management Systems at Nuclear Power Plants (1986) English	NS-G-1.13	Radiation Protection Aspects of Design for Nuclear Power Plants (2005) English Russian
80	Schedules of Requirements for the Transport of Specified Types of Radioactive Material Consignments (1986) English Schedules of Requirements for the Transport of Specified Types of Radioactive Material Consignments (1990) English	SSG-33	Schedules of Provisions of the IAEA Regulations for the Safe Transport of Radioactive Material (2012 Edition) (2015) English
81	Derived Intervention Levels for Application in Controlling Radiation Doses to the Public in the Event of A Nuclear Accident or Radiological Emergency: Principles, Procedures and Data (1986) English French Russian Spanish		
82	Application of the Dose Limitation System to the Mining and Milling of Radioactive Ores (1987) English		
83	Radiation Protection in Occupational Health: Manual for Occupational Physicians (1987) English		
84	Basic Principles for Occupational Radiation Monitoring (1987) English		
85	Safe Management of Wastes from the Mining and Milling of Uranium and Thorium Ores (1987) English	WS-G-1.2	Management of Radioactive Waste from the Mining and Milling of Ores (2002) English , Russian , Spanish
86	Techniques and Decision Making in the Assessment of Off-site Consequences of An Accident in A Nuclear Facility (1987) English		
87	Emergency Response Planning and Preparedness for Transport Accidents Involving Radioactive Material (1988) English	TS-G-1.2	Planning and Preparing for Emergency Response to Transport Accidents Involving Radioactive Material (2002) English , Russian , Spanish
88	Medical Handling of Accidentally Exposed Individuals (1988) English		
89	Principles for the Exemption of Radiation Sources and Practices from Regulatory Control (1988) English French Russian Spanish	RS-G-1.7	Application of the Concepts of Exclusion, Exemption and Clearance Chinese English , Russian , Spanish
90	The Application of the Principles for Limiting Releases of Radioactive Effluents in the Case of the Mining and Milling of Radioactive Ores (1989) English		
91	Emergency Planning and Preparedness for Accidents Involving Radioactive		

Superseded publication		Current publication	
Number	Title	Number	Title
	Materials Used in Medicine, Industry, Research and Teaching (1989) English		
92	Principles for the Establishment of Upper Bounds to Doses to Individuals from Global and Regional Sources (1989) English		
93	Systems for Reporting Unusual Events in Nuclear Power Plants (1989) English French Russian Spanish	NS-G-2.11	A System for the Feedback of Experience from Events in Nuclear Installations (2006) English , Russian , Spanish
94	Response to A Radioactive Materials Release Having A Transboundary Impact (1989) English		
95	Radiation Monitoring in the Mining and Milling of Radioactive Ores (1989) English		
96	Guidance for Regulation of Underground Repositories for Disposal of Radioactive Wastes (1989) English		
97	Principles and Techniques for Post-accident Assessment and Recovery in A Contaminated Environment of A Nuclear Facility (1989) English		
98	On-Site Habitability in the Event of an Accident at a Nuclear Facility (1989) English	GS-G-2.1	Arrangements for Preparedness for a Nuclear or Radiological Emergency (2007) English , Spanish
99	Safety Principles and Technical Criteria for the Underground Disposal of High Level Radioactive Wastes (1989) English French Russian Spanish	SSR-5	Disposal of Radioactive Waste (2011) Arabic , Chinese , English , French , Russian , Spanish
100	Evaluating the Reliability of Predictions Made Using Environmental Transfer Models (1989) English		
101	Operational Radiation Protection: A Guide to Optimization (1989) English		
102	Recommendations for the Safe Use and Regulation of Radiation Sources in Industry, Medicine, Research and Teaching (1990) English	GS-G-1.5 GSR Part 1 (Rev. 1) GSR Part 3	Regulatory Control of Radiation Sources (2004) Arabic , English , French , Spanish Governmental, Legal and Regulatory Framework for Safety (2016) English Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian
103	Provision of Operational Radiation Protection Services at Nuclear Power Plants (1990) English		
104	Extension of the Principles of Radiation Protection to Sources of Potential Exposure (1990) English		
105	The Regulatory Process for the Decommissioning of Nuclear Facilities (1990) English	WS-G-2.1	Decommissioning of Nuclear Power Plants and Research Reactors (1999) Arabic , Chinese , English , French , Russian

Superseded publication		Current publication	
Number	Title	Number	Title
106	The Role of Probabilistic Safety Assessment and Probabilistic Safety Criteria in Nuclear Power Plant Safety (1992) English		
107	Radiation Safety of Gamma and Electron Irradiation Facilities (1992) English	SSG-8	Radiation Safety of Gamma, Electron and X ray Irradiation Facilities (2010) English , Spanish
108	Design and Operation of Radioactive Waste Incineration Facilities (1992) English	SSG-40 SSG-41	Predisposal Management of Radioactive Waste from Nuclear Power Plants and Research Reactors (2016) English Predisposal Management of Radioactive Waste from Nuclear Fuel Cycle Facilities (2016) English
109	Intervention Criteria in a Nuclear or Radiation Emergency (1994) English	GSG-2	Criteria for Use in Preparedness and Response for a Nuclear or Radiological Emergency (2011) Arabic , English , French , Russian , Spanish
110	The Safety of Nuclear Installations Safety fundamentals (1993) English French Russian Spanish	SF-1	Fundamental Safety Principles (2006) Arabic Chinese English French Russian Spanish
111-F	The Principles of Radioactive Waste Management (1995) English Chinese French Russian Spanish		
111-G-1.1	Classification of Radioactive Waste (1994) English	GSG-1	Classification of Radioactive Waste (2009) English Russian Spanish
111-G-3.1	Siting of Near Surface Disposal Facilities (1994) English	SSG-29	Near Surface Disposal Facilities for Radioactive Waste (2014) English
111-G-4.1	Siting of Geological Disposal Facilities (1994) English	SSG-14	Geological Disposal Facilities for Radioactive Waste (2011) English
111-P-1.1	Application of Exemption Principles to the Recycle and Reuse of Materials from Nuclear Facilities (1992) English	RS-G-1.7	Application of the Concepts of Exclusion, Exemption and Clearance (2004) Chinese English , Russian , Spanish
111-S-1	Establishing a National System for Radioactive Waste Management (1995) English Chinese French Russian Spanish	GSR Part 1 (Rev. 1)	Governmental, Legal and Regulatory Framework for Safety (2016) English
112	Compliance Assurance for the Safe Transport of Radioactive Material (1994) English	TS-G-1.5	Compliance Assurance for the Safe Transport of Radioactive Material (2008) English
113	Quality Assurance for the Safe Transport of Radioactive Material (1994) English	TS-G-1.4	The Management System for the Safe Transport of Radioactive Material (2008) English , Russian
114	Direct Methods for Measuring Radionuclides in the Human Body (1996) English		
115	International Basic Safety Standards for Protection Against Ionizing Radiation and for the Safety of Radiation Sources (1996) Arabic , Chinese , English , French , Russian , Spanish	GSR Part 3	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (2014) Arabic , Chinese , English , Russian
116	Design of Spent Fuel Storage Facilities (1994) English	SSG-15	Storage of Spent Nuclear Fuel (2012) English

Superseded publication		Current publication	
Number	Title	Number	Title
117	Operation of Spent Fuel Storage Facilities (1995) English		
118	Safety Assessment for Spent Fuel Storage Facilities (1995) English	SSG-15	Storage of Spent Nuclear Fuel (2012) English
		GSG-3	The Safety Case and Safety Assessment for Predisposal Management of Radioactive Waste English
119	Emergency Planning and Preparedness for Re-entry of a Nuclear Powered Satellite (1996) English		
120	Radiation Protection and the Safety of Radiation Sources (1996) English	SF-1	Fundamental Safety Principles (2006) Arabic Chinese English French Russian Spanish

The Nuclear Safety Standards Programme issued its first publication in 1978. These publications comprise Codes of Practice, Safety Guides and Safety Practices, and all were issued under IAEA Safety Series No. 50.



Superseded publication		Current publication	
Number	Title	Number	Title
50-C-G	Governmental Organization for the Regulation of Nuclear Power Plants (1978) English Chinese French Russian Spanish Code on the Safety of Nuclear Power Plants: Governmental Organization (1988) English	GSR Part 1 (Rev. 1)	Governmental, Legal and Regulatory Framework for Safety (2016) English
50-SG-G1	Qualifications and Training of Staff of the Regulatory Body for Nuclear Power Plants (1979) English Chinese French Russian Spanish	GS-G-1.1	Organization and Staffing of the Regulatory Body for Nuclear Facilities (2002) English , Chinese , French , Russian , Spanish
50-SG-G2	Information to be Submitted in Support of Licensing Applications for Nuclear Power Plants (1979) English French Russian Spanish	GS-G-4.1	Format and Content of the Safety Analysis Report for Nuclear Power Plants (2004) Chinese English
50-SG-G3	Conduct of Regulatory Review and Assessment During the Licensing Process for Nuclear Power Plants (1980) English Chinese French Russian Spanish	GS-G-1.2	Review and Assessment of Nuclear Facilities by the Regulatory Body (2002) English , Chinese , French , Russian
50-SG-G4	Inspection and Enforcement by the Regulatory Body for Nuclear Power Plants (1980) English Inspection and Enforcement by the Regulatory Body for Nuclear Power Plants (1996) English	GS-G-1.3	Regulatory Inspection of Nuclear Facilities and Enforcement by the Regulatory Body (2002) English , Chinese , French , Russian , Spanish
50-SG-G5	NUMBER NOT USED		
50-SG-G6	Preparedness of Public Authorities for Emergencies at Nuclear Power Plants (1982) English	GS-G-2.1	Arrangements for Preparedness for a Nuclear or Radiological Emergency (2007) English , Spanish
50-SG-G7	NUMBER NOT USED		
50-SG-G8	Licences for Nuclear Power Plants: Content, Format and Legal Considerations (1982) English	SSG-12	Licensing Process for Nuclear Installations (2010) English , Spanish
50-SG-G9	Regulations and Guides for Nuclear Power Plants (1984) English French Russian Spanish	GS-G-1.4	Documentation for Use in Regulating Nuclear Facilities (2002) English , Chinese , French , Russian , Spanish

Superseded publication		Current publication	
Number	Title	Number	Title
50-C-S	Code on the Safety of Nuclear Power Plants: Siting (1978) English Code on the Safety of Nuclear Power Plants: Siting (1988) English Chinese French Russian Spanish	NS-R-3 (Rev. 1)	Site Evaluation for Nuclear Installations (2016) English
50-SG-S1	Earthquakes and Associated Topics in Relation to Nuclear Power Plant Siting (1979) English Earthquakes and Associated Topics in Relation to Nuclear Power Plant Siting (1991) English	SSG-9	Seismic Hazards in Site Evaluation for Nuclear Installations (2010) English
50-SG-S2	Seismic Analysis and Testing of Nuclear Power Plants (1979) English		
50-SG-S3	Atmospheric Dispersion in Nuclear Power Plant Siting (1980) English Chinese French Russian Spanish	NS-G-3.2	Dispersion of Radioactive Material in Air and Water and Consideration of Population Distribution in Site Evaluation for Nuclear Power Plants (2002) English , Russian
50-SG-S4	Site Selection and Evaluation for Nuclear Power Plants with Respect to Population Distribution (1980) English Chinese French Russian Spanish		
50-SG-S5	External Man-induced Events in Relation to Nuclear Power Plant Siting (1981) English Chinese French Russian Spanish	NS-G-3.1	External Human Induced Events in Site Evaluation for Nuclear Power Plants (2002) Chinese English , French , Russian
50-SG-S6	Hydrological Dispersion of Radioactive Material in Relation to Nuclear Power Plant Siting (1985) English French Russian Spanish	NS-G-3.2	Dispersion of Radioactive Material in Air and Water and Consideration of Population Distribution in Site Evaluation for Nuclear Power Plants (2002) English , Russian
50-SG-S7	Nuclear Power Plant Siting: Hydrogeological Aspects (1984) English French Russian Spanish		
50-SG-S8	Safety Aspects of Foundations of Nuclear Power Plants (1986) English French Russian Spanish	NS-G-3.6	Geotechnical Aspects of Site Evaluation and Foundations for Nuclear Power Plants (2004) Chinese English , Russian
50-SG-S9	Site Survey for Nuclear Power Plants (1984) English French Russian Spanish	NS-R-3 (Rev. 1) SSG-35	Site Evaluation for Nuclear Installations (2016) English Site Survey and Site Selection for Nuclear Installations (2015) English
50-SG-S10A	Design Basis Flood for Nuclear Power Plants on River Sites (1983) English French Russian Spanish	SSG-18	Meteorological and Hydrological Hazards in Site Evaluation for Nuclear Installations (2011) English
50-SG-S10B	Design Basis Flood for Nuclear Power Plants on Coastal Sites (1983) English French Russian Spanish		
50-SG-S11A	Extreme Meteorological Events in Nuclear Power Plant Siting, Excluding Tropical Cyclones (1981) English French Russian Spanish		
50-SG-S11B	Design Basis Tropical Cyclone for Nuclear Power Plants (1984) English French Russian Spanish		

Superseded publication		Current publication	
Number	Title	Number	Title
50-C-D	Code on the Safety of Nuclear Power Plants: Design (1978) English Code on the Safety of Nuclear Power Plants: Design (1988) English Chinese French Russian Spanish	SSR-2/1 (Rev. 1)	Safety of Nuclear Power Plants: Design (2016) English
50-SG-D1	Safety Functions and Component Classification for BWR, PWR and PTR (1979) English Chinese French Russian Spanish	SSG-30	Safety Classification of Structures, Systems and Components in Nuclear Power Plants (2014) English
50-SG-D2	Fire Protection in Nuclear Power Plants (1979) English Fire Protection in Nuclear Power Plants (1992) English French Russian Spanish	NS-G-1.7	Protection Against Internal Fires and Explosions in the Design of Nuclear Power Plants (2004) English, Russian
50-SG-D3	Protection Systems and Related Features in Nuclear Power Plants (1980) English Chinese French Russian Spanish	SSG-39	Design of Instrumentation and Control Systems for Nuclear Power Plants (2016) English
50-SG-D4	Protection Against Internally Generated Missiles and Their Secondary Effects in Nuclear Power Plants (1980) English Chinese French Russian Spanish	NS-G-1.11	Protection against Internal Hazards other than Fires and Explosions in the Design of Nuclear Power Plants (2004) English
50-SG-D5	External Man-Induced Events in Relation to Nuclear Power Plant Design (1982) English External Man-Induced Events in Relation to Nuclear Power Plant Design (1996) English French Russian Spanish	NS-G-1.5	External Events Excluding Earthquakes in the Design of Nuclear Power Plants (2003) English, Russian
50-SG-D6	Ultimate Heat Sink and Directly Associated Heat Transport Systems for Nuclear Power Plants (1981) English Chinese French Russian Spanish	NS-G-1.9	Design of the Reactor Coolant System and Associated Systems in Nuclear Power Plants (2004) English Russian, Spanish
50-SG-D7	Emergency Power Systems at Nuclear Power Plants (1982) English Emergency Power Systems at Nuclear Power Plants (1991) English French Russian Spanish	SSG-34	Design of Electrical Power Systems for Nuclear Power Plants (2016) English
50-SG-D8	Safety-Related Instrumentation and Control Systems for Nuclear Power Plants (1984) English French Russian Spanish	SSG-39	Design of Instrumentation and Control Systems for Nuclear Power Plants (2016) English
50-SG-D9	Design Aspects of Radiation Protection for Nuclear Power Plants (1985) English Chinese French Russian Spanish	NS-G-1.13	Radiation Protection Aspects of Design for Nuclear Power Plants (2005) English; Russian
50-SG-D10	Fuel Handling and Storage Systems in Nuclear Power Plants (1984) English French Russian Spanish	NS-G-1.4	Design of Fuel Handling and Storage Systems for Nuclear Power Plants (2003) English, Russian, Spanish
50-SG-D11	General Design Safety Principles for Nuclear Power Plants (1986) English	SSG-2	Deterministic Safety Analysis for Nuclear Power Plants (2009) English, Spanish Russian
50-SG-D12	Design of the Reactor Containment Systems in Nuclear Power Plants (1985) English French Russian Spanish	NS-G-1.10	Design of Reactor Containment Systems for Nuclear Power Plants (2004)

Superseded publication		Current publication	
Number	Title	Number	Title
			English Russian
50-SG-D13	Reactor Coolant and Associated Systems in Nuclear Power Plants (1986) English French Russian Spanish	NS-G-1.9	Design of the Reactor Coolant System and Associated Systems in Nuclear Power Plants (2004) English Russian , Spanish
50-SG-D14	Design for Reactor Core Safety in Nuclear Power Plants (1986) English French Russian Spanish	NS-G-1.12	Design of the Reactor Core for Nuclear Power Plants (2005) Chinese English , Russian
50-SG-D15	Seismic Design and Qualification for Nuclear Power Plants (1992) English French Russian Spanish	NS-G-1.6	Seismic Design and Qualification for Nuclear Power Plants (2003) English , Russian
50-C-O	Safety in Nuclear Power Plant Operation, including Commissioning and Decommissioning (1978) English Code on the Safety of Nuclear Power Plants: Operation (1988) English Chinese French Russian Spanish	SSR-2/2 (Rev. 1)	Safety of Nuclear Power Plants: Commissioning and Operation (2016) English
50-SG-O1	Staffing of Nuclear Power Plants and the Recruitment, Training and Authorization of Operating Personnel (1979) English Staffing of Nuclear Power Plants and the Recruitment, Training and Authorization of Operating Personnel (1991) English French Russian Spanish	NS-G-2.4	Recruitment, Qualification and Training of Personnel for Nuclear Power Plants (2002) English , Russian
50-SG-O2	In-Service Inspection for Nuclear Power Plants (1980) English Chinese French Russian Spanish	NS-G-2.6	Maintenance, Surveillance and In-Service Inspection in Nuclear Power Plants (2002) English , Russian
50-SG-O3	Operational Limits and Conditions for Nuclear Power Plants (1979) English Chinese French Russian Spanish	NS-G-2.2	Operational Limits and Conditions and Operating Procedures for Nuclear Power Plants (2000) Chinese English , French , Russian , Spanish
50-SG-O4	Commissioning Procedures for Nuclear Power Plants (1980) English Chinese French Russian Spanish	SSG-28	Commissioning for Nuclear Power Plants (2014) English
50-SG-O5	Radiation Protection During Operation of Nuclear Power Plants (1983) English Chinese French Russian Spanish	NS-G-2.7	Radiation Protection and Radioactive Waste Management in the Operation of Nuclear Power Plants (2002) English , Russian , Spanish
50-SG-O6	Preparedness of the Operating Organization (Licensee) for Emergencies at Nuclear Power Plants (1982) English Chinese French Russian Spanish	GS-G-2.1	Arrangements for Preparedness for a Nuclear or Radiological Emergency (2007) English , Spanish
50-SG-O7	Maintenance of Nuclear Power Plants (1982) English Maintenance of Nuclear Power Plants (1989) English Chinese French Russian Spanish	NS-G-2.6	Maintenance, Surveillance and In-Service Inspection in Nuclear Power Plants (2002) English , Russian
50-SG-O8	Surveillance of Items Important to Safety in Nuclear Power Plants (1982) English Surveillance of Items Important to Safety		

Superseded publication		Current publication	
Number	Title	Number	Title
	in Nuclear Power Plants (1990) English Chinese French Russian Spanish		
50-SG-O9	Management of Nuclear Power Plants for Safe Operation (1984) English Chinese French Russian Spanish	NS-G-2.4	The Operating Organization for Nuclear Power Plants (2001) Chinese, English, French, Russian
50-SG-O10	Safety Aspects of Core Management and Fuel Handling for Nuclear Power Plants (1985) English French Russian Spanish	NS-G-2.5	Core Management and Fuel Handling for Nuclear Power Plants (2002) English, Russian
50-SG-O11	Operational Management for Radioactive Effluents and Wastes Arising in Nuclear Power Plants (1986) English Chinese French Russian Spanish	NS-G-2.7	Radiation Protection and Radioactive Waste Management in the Operation of Nuclear Power Plants (2002) English, Russian, Spanish
50-SG-O12	Periodic Safety Review of Operational Nuclear Power Plants (1994) English French Russian Spanish	SSG-25	Periodic Safety Review for Nuclear Power Plants (2013) English
50-C-QA	Code on the Safety of Nuclear Power Plants: Quality Assurance (1978) English Code on the Safety of Nuclear Power Plants: Quality Assurance (1988) English	GSR Part 2	Leadership and Management for Safety (2016) English
50-C-Q	Code on the Safety of Nuclear Power Plants: Quality Assurance (1996) English		
50-SG-QA1	Establishing the Quality Assurance Programme for A Nuclear Power Plant Project (1984) English	GS-G-3.1	Application of the Management System for Facilities and Activities. (2006) English, Russian
50-SG-QA2	Quality Assurance Records System (1979) English		
50-SG-QA3	Quality Assurance in the Procurement of Items and Services for Nuclear Power Plants (1979) English		
50-SG-QA4	Quality Assurance During Site Construction of Nuclear Power Plants (1981) English		
50-SG-QA5	Quality Assurance During Commissioning and Operation of Nuclear Power Plants (1981) English Quality Assurance During Commissioning and Operation of Nuclear Power Plants (1986) English		
50-SG-QA6	Quality Assurance in the Design of Nuclear Power Plants (1981) English		
50-SG-QA7	Quality Assurance Organization for Nuclear Power Plants (1983) English		
50-SG-QA8	Quality Assurance in the Manufacture of Items for Nuclear Power Plants (1981) English		
50-SG-QA9	NUMBER NOT USED		
50-SG-QA10	Quality Assurance Auditing for Nuclear Power Plants (1980) English		
50-SG-	Quality Assurance in the Procurement,	GS-G-3.5	The Management System for Nuclear Installations (2008) English, Russian

Superseded publication		Current publication	
Number	Title	Number	Title
QA11	Design and Manufacture of Nuclear Fuel Assemblies (1983) English		
50-SG-Q1	Establishing and Implementing a Quality Assurance Programme (1996) English		
50-SG-Q2	Non-conformance Control and Corrective Actions (1996) English		
50-SG-Q3	Document Control and Records (1996) English		
50-SG-Q4	Inspection and Testing for Acceptance (1996) English		
50-SG-Q5	Assessment of the Implementation of the Quality Assurance Programme (1996) English		
50-SG-Q6	Quality Assurance in the Procurement of Items and Services (1996) English		
50-SG-Q7	Quality Assurance in Manufacturing (1996) English		
50-SG-Q8	Quality Assurance in Research and Development (1996) English		
50-SG-Q9	Quality Assurance in Siting (1996) English		
50-SG-Q10	Quality Assurance in Design (1996) English		
50-SG-Q11	Quality Assurance in Construction (1996) English		
50-SG-Q12	Quality Assurance in Commissioning (1996) English		
50-SG-Q13	Quality Assurance in Operation (1996) English		
50-SG-Q14	Quality Assurance Decommissioning (1996) English		
50-P-1	Application of the Single Failure Criterion (1990) English		
50-P-2	In-service Inspection of Nuclear Power Plants A Manual (1991) English		
50-P-3	Data Collection and Record Keeping for the Management of Nuclear Power Plant Ageing (1991) English		
50-P-4	Procedures for Conducting Probabilistic Safety Assessments of Nuclear Power Plants (Level 1) (1992) English		
50-P-5	Safety Assessment of Emergency Power Systems for Nuclear Power Plants (1992) English		
50-P-6	Inspection of Fire Protection Measures and Fire Fighting Capability at Nuclear Power Plants (1994) English		
50-P-7	Treatment of External Hazards in Probabilistic Safety Assessment for Nuclear Power Plants (1995) English		
50-P-8	Procedures for Conducting Probabilistic Safety Assessments of Nuclear Power Plants (Level 2): Accident Progression, Containment Analysis and Estimation of Accident Source Terms (1995) English		
50-P-9	Assessment of the Overall Fire Safety		

Superseded publication		Current publication	
Number	Title	Number	Title
	Arrangements at Nuclear Power Plants (1996) English		
50-P-10	Human Reliability Analysis in Probabilistic Safety Analysis for Nuclear Power Plants (1995) English		
50-P-11	Evaluation of Fire Hazard Analyses for Nuclear Power Plants (1995) English		
50-P-12	Procedures for Conducting Probabilistic Safety Assessments of Nuclear Power Plants (Level 3): Off-Site Consequences and Estimation of Risks to the Public (1996) English		