

## List of Acronyms

Acronym	Explanation
ABB	Asea Brown Boveri, Ltd.
ABWR	Advanced Boiling Water Reactor
ACL	Aktiva centrallaboratoriet (Studsvik)
ACR	Advanced CANDU Reactor
ACS	Accident Confinement System
ADS	Automatic Depressurization System
AEA	Atomic Energy Authority, UK
AEC	Atomic Energy Commission, USA
AECL	Atomic Energy of Canada, Ltd.
AFA	Research program on Nuclear Waste, NKS 1994 – 1997
AFWS	Auxiliary Feed-Water System
AGC	Advanced Gas Centrifuge
AGR	Advanced Gas Cooled Reactor
AGRI	See RALA
AGS	Airborne Gamma Spectrometry
AICC	Adiabatic Isochoric Complete Combustion
AL	Action Level
ALARA	1. As Low As Reasonably Achievable 2. Estonian Waste Management Company
ALARP	As Low As Reasonably Practible
ALEX	Barents Rescue 2001 Alarm Exercise
ALI	Annual Limit on Intake (ICRP)
ALWR	Advanced Light Water Reactor
AM	Accident Management
AMAP	Arctic Monitoring and Assessment Program
AMS	Accelerator Mass Spectrometry
ANL	Argonne National Laboratory (USA)
ANP	Advanced Nuclear Power
ANS	American Nuclear Society
ANSI	American National Standards Institute
AOT	Allowed Outage Time
APRI	Accident Phenomena of Risk Importance (Swedish severe accident research project)
APROS	Advanced Process Simulator
APWR	Advanced Pressurized Water Reactor
ARGOS	Accident Reporting and Guiding Operational System (Denmark)
ASAR	As Operated Safety Analysis Report
ASI	Analysis Significant Items
ASN	Autorité de Sûreté Nucléaire (France)
AT	Austria (ISO abbreviation)
ATHLET	Analysis of Thermo-Hydraulics of Leaks and Transients (computer code)
ATR	Advanced Thermal Reactor
AVLIS	Atomic Vapor Laser Isotope Separation
BAM	Bundesanstalt für Materialforschung und –prüfung, Germany
BAT	Best Available Technique
BDBA	Beyond Design Basis Accident
BEIR	Committee on the Biological Effects of Ionizing Radiations

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BER	Research program on Nuclear Emergency Preparedness, NKS 1994 – 1997
BH	Bottom Head
BKAB	Barsebäck Kraft AB, Sweden
BMU	Bundesministerium für Umweltschutz und Reaktorsicherheit, Germany
BNCT	Boron Neutron Capture Therapy
BNFL	British Nuclear Fuel, Ltd.
BNL	Brookhaven National Laboratory
BOK	Research program on nuclear emergency preparedness and radiological consequences, NKS 1998 – 2001
Bq	Becquerel
BRS	Danish Emergency Management Agency (Beredskabsstyrelsen); also referred to as DEMA
BTWC	Biological and Toxin Weapons Convention
BWR	Boiling Water Reactor
CAMS	Computerized Accident Management Support System
CANDU	Canadian Deuterium Natural Uranium Heavy-Water Reactor
CBRN	Chemical, Biological, Radiological, Nuclear
CBSS	Council of Baltic Sea States
CC	Condensate Cleaning
CCA	1. Cause Consequence Analysis 2. Common Cause Analysis
CCC	Computer and Communications Center
CCF	Common Cause Failure
CCI	Common Cause Initiators
CD	Civil Defense
CD&ER	Civil Defense and Emergency Response
CDF	Core Damage Frequency
CEC	Commission of the European Communities
CEDM	Control Element Drive Mechanism
CEO	Chief Executive Officer
CERN	European Council for Nuclear Research (Conseil Européenne pour la Recherche Nucléaire)
CFD	Computational Fluid Dynamics
CGS	Car-borne Gamma Spectrometry
CHAZOP	Computer HAZOP (Hazards and Operability)
CFD	Computational Fluid Dynamics
CFM	Critical Function Monitor(ing)
CHS	Committee on Human Security
C&I	Control and Instrumentation
CIS	Commonwealth of Independent States
CLAB	Central Interim Storage Facility for Spent Nuclear Fuel, Sweden (Centrallager för använt bränsle)
CM	Corrective Maintenance
CMT	Crisis Management Team
CNRA	Committee of Nuclear Regulatory Activities (OECD/NEA)
CNS	Center for Nonproliferation Studies (Monterey Institute)
COGEMA	Compagnie Generale des Matieres Nucleaires, France
COSMOS	Russian nuclear powered satellites
CPC	Common Performance Conditions

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cps	Counts per second
CPS	Control and Protection System
CRPPH	Committee on Radiation Protection and Public Health (OECD/NEA)
CSA	Comprehensive Safeguards Agreement
CSNI	Committee of the Safety of Nuclear Installations (OECD/NEA)
CSS	Containment Spray System
CTBT	Comprehensive Test Ban Treaty
CTC	Counter-Terrorism Committee (UN)
CVD	Cherenkov Viewing Device
CWC	Chemical Weapons Convention
DA	Data Acquisition
DAD	Decide, Announce, Defend
DBA	Design Basis Accident
DC	Downcomer of the reactor coolant system
DCH	Direct Containment Heating
DD	Danish Decommissioning (Dansk Dekommissionering)
DDT	Deflagration-to-Detonation Transition
DE	Germany (ISO abbreviation)
DEMA	Danish Emergency Management Agency (Beredskabsstyrelsen); also referred to as BRS
DETRA	Doses via Environmental Transport of Radionuclides (computer code)
DFR	Dounreay Fast Reactor
DFRIT	Finnish Defense Forces Research Institute of Technology
DiP	Decision in Principle
DK	Denmark (ISO abbreviation)
DKK	Danish currency (crowns, kroner)
DKV	Driftklarhetsverifiering
DMI	Danish Meteorological Institute (Danmarks Meteorologiske Institut)
DNMI	Norwegian Meteorological Institute (Det norske meteorologiske institutt)
DOD	US Department of Defense
DOE	US Department of Energy
dps	Disintegrations per second
DR1, DR2, DR3	Danish research reactors at Risø National Laboratory
DRF	Dose Reduction Factor
DSA	Deterministic Safety Analysis
DTU	Technical University of Denmark (Danmarks Tekniske Universitet)
EARP	Enhanced Actinide Removal Plant (Sellafield)
EBRD	European Bank for Reconstruction and Development
EBS	Engineered Barrier System
EC	European Commission
ECC	Emergency Control Center
ECCS	Emergency Core Cooling System
ECMWF	European Center for Medium-range Weather Forecasts
ECURIE	European system for notification in case of radiological emergencies (EU)
EdF	Electricité de France
EDSS	Environmental Decision Support System
EE	Estonia (ISO abbreviation)
EFDA	European Fusion Development Agreement

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EFWS	Emergency Feed-Water System
EIA	Environmental Impact Assessment
EIB	European Investment Bank
EIRO	Forum of collaboration between seven European Intergovernmental Scientific Research Organizations
EIS	Environmental Impact Statement
EKO	Radioecological research program, NKS 1994 – 1997
EMAS	Eco Management and Audit Scheme (EU regulations)
EMERCON	International system for notification in case of radiological emergencies (IAEA)
EMHI	Estonian Meteorological and Hydrological Institute
EN 45001	EU standard for accreditation of laboratories conducting measurements on foodstuff and issuing certificates
ENS	European Nuclear Society
ENSRA	European Nuclear Security Regulators Association
EOF	Emergency Operations Facility
EOL	End Of Life
EoO	Error of Omission
EOP	Emergency Operating Procedure
EOS	Emergency Operating Center
EPA	US Environmental Protection Agency
EPIC	Environmental Protection from Ionizing Contaminants in the Arctic (EU)
EPR	European Pressurized Water Reactor
EPRI	Electric Power Research Institute, USA
ERA	European Research Area
ERICA	Environmental Risks from Ionizing Contaminants: Assessment and Management (EU)
ERPC	Estonian Radiation Protection Center, Tallinn
ESARDA	European Safeguards Research and Development Association
ESBWR	Evolutionary Simplified Boiling Water Reactor
ESFR	European Synchrotron Radiation Facility
ESP	Early Site Permit
ESR	Electron Spin Resonance
ETA	Event Tree Analysis
ETEX	European Tracer EXperiment
EU	European Union
EUP	Enriched Uranium Product
EUR	European Utility Requirements
EURADOS	European Radiation Dosimetry Group
EURATOM	EU/DG17 Directorate E
EURDEP	EU Radioactivity Data Exchange Platform
FAO	United Nations Food and Agriculture Organization
FARO	Test facility at Joint Research Center Ispra for studying fuel-coolant interaction
FAS	Fast Acting Scram
FASSET	Framework for Assessment of Environmental Impact (EU)
FBR	Fast Breeder Reactor
FEP	Features, Events and Processes
FI	Finland (ISO abbreviation)

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FIM	Earlier: Finnish currency (marks, markkaa)
FMEA	Failure Mode and Effects Analysis
FMI	Finnish Meteorological Institute
FO	Faroe Islands (ISO abbreviation)
FOI	Swedish Defense Research Agency (Totalförsvarets forskningsanstalt)
FoU	Forskning och utveckling
FP	1. EU's Framework Program 2. Fission Product(s)
FRC	US Federal Radiation Council
FRED	FASSET Radiation Effects Database (EU; see FASSET)
FRIT	Danish Science Research Councils' Instrument Service (Host organization of the NKS Sekretariat; Forskningsrådenes Instrument Tjeneste ApS)
FSAR	Final Safety Analysis Report
FTA	Felträdsanalys
FTP	File Transfer Protocol
FUD	Forskning, utveckling, demonstration
FZK	Forschungszentrum Karlsruhe
G7	USA, Japan, Germany, France, UK, Italy and Canada
G24	All western European countries plus USA, Canada, Japan, Australia, New Zealand, and Turkey
GAN	Nuclear safety authority of the Russian Federation (Gozatomnadzor)
GAN/HQ	GAN's headquarters, Moscow, Russia
GAN/NED	GAN's regional office, St. Petersburg, Russia (North Eastern District)
GARDS	Global Atmospheric Radionuclide Detection System
GCEP	Gas Centrifuge Enrichment Plant
GCHWR	Gas Cooled Heavy Water Reactor
GCR	Gas Cooled Reactor
GE	General Electric
Geislavarnir	Icelandic Radiation Protection Institute (Geislavarnir ríkisins)
GFR	Gas-Cooled Fast Reactor
GGR	Gas cooled Graphite Reactor
GIS	Graphical Information System
GLWR	Graphite Light Water Reactor
GPS	1. Global Positioning System 2. Goal Planning System
Gr	Geislavarnir ríkisins (Icelandic Radiation Protection Institute)
GRS	Gesellschaft für Anlagen- und Reaktorsicherheit mbH
GTMHR	Gas Turbine Modular Helium Reactor
GTRI	Global Threat Reduction Initiative
Gy	Gray
HAEA	Hungarian Atomic Energy Agency
HAMISA	Hole Ablation Modelling In Severe Accidents (computer code)
HAZ	Heat Affected Zone
HAZOP	Hazards and Operability
HCCF	Human Common Cause Failure
HCD	Head of Civil Defense
HELCOM	The Helsinki Commission, under the Helsinki Convention on the Protection of the Marine Environment of the Baltic Sea Area (signed in 1974; renewed in 1992)

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HELCOM/MORS	Helsinki Commission/Monitoring Of Radioactive Substances in the Baltic Sea
HEU	Highly Enriched Uranium
HFE	Human Factor Engineering
HIM	See KTM
HIRLAM	High Resolution Limited Area Model (Nordic numerical weather prediction model)
HLW	High Level Waste
HPGe	High Purity Germanium (Detector)
HPME	High Pressure Melt Ejection
HPS	Health Physics Society
HR	High Resolution
HRICPMS	High Resolution Inductively Coupled Plasma Mass Spectrometry
HRA	Human Reliability Analysis
HRP	Halden Reactor Project
HSI	Human – System Interface(s)
HTG	Högsta tillåtna gränsvärde
HTGR	High Temperature Gas Cooled Reactor (graphite moderated)
HTML	Hyper Text Markup Language
HTR	High Temperature Reactor
HTTP	Hyper Text Transfer Protocol
HVAC	High Voltage Alternating Current
HVDC	High Voltage Direct Current
HWBLWR	Heavy Water Boiling Light Water Reactor
HWGCR	Heavy Water Gas Cooled Reactor
HWLWR	Heavy Water Light Water Reactor
HWR	Heavy Water Reactor
IACRS	Inter-Agency Committee on Radiation Safety (IAEA)
IAEA	International Atomic Energy Agency
IASAP	International Arctic Seas Assessment Project (IAEA)
IASCC	Irradiation-Assisted Stress Corrosion Cracking
I&C	Instrumentation and Control
ICEM	International Conference(s) on Environmental Remediation and Radioactive Waste Management
ICI	In-Core Instrumentation
ICJ	International Court of Justice
ICPMS	Inductively Coupled Plasma Mass Spectrometry
ICRE	International Commission on Radiation Education
ICRP	International Commission on Radiological Protection
ICRR	International Congress of Radiation Research
ICRU	International Commission on Radiation Units and Measurements
IDC	International Data Center
IE	Initiating Event
IEA	International Energy Agency
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers
IFE	Institute for Energy Technology (Institutt for Energiteknikk), Norway
IGSC	Integrated Group for the Safety Case (OECD/NEA)

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IGSCC	Inter-Granular Stress Corrosion Cracking
IIASA	International Institute for Applied Systems Analysis
IL	Intervention Level
ILO	International Labor Organization
ILW	Intermediate Level Waste
INES	International Nuclear Event Scale (IAEA)
INEX	International Emergency Preparedness Exercise (OECD/NEA)
INIS	International Nuclear Information System (libraries etc.)
INPO	Institute of Nuclear Power Operation
INPP	Ignalina Nuclear Power Plant, Lithuania
INSAG	International Nuclear Safety Advisory Group (IAEA)
INSITE	Independent Site Investigation Tracking & Evaluation (SKI)
ISOCS	In-Situ Object Counting System
IPCC	Intergovernmental Panel on Climate Change
IPPC	Integrated Pollution Prevention and Control Directive (EU)
IRPA	International Radiation Protection Association
IRPI	Icelandic Radiation Protection Institute (Geislavarnir ríkisins)
IS	Iceland (ISO abbreviation)
ISA	1. Integrated Sequence Analysis 2. Integrated Safety Analysis
ISDN	Integrated Service Digital Network
ISER	Intrinsically Safe and Economical Reactor
ISI	In-Service Inspection
ISK	Icelandic currency (crowns, krónur)
ISO	International Standardization Organization
ISO 9000	ISO standards on quality systems
ISO 14000	ISO standards on environmental management systems
ISOE	Information System on Occupational Exposure (joint OECD/NEA and IAEA activity)
ISP	Internet Service Provider
ISR	International Society of Radiology
IST	In-Service Testing
ISTC	International Science and Technology Center, Moscow, Russia
IT	Information Technology
ITER	International Thermonuclear Experimental Reactor
ITRAP	Illicit Trafficking Radiation Detection Assessment Program
IUR	International Union of Radioecologists
IVO	Imatran Voima Oy, Finland (IVO Group includes IVO Power Engineering and Loviisa NPP) – now belonging to Fortum
JINEX	Joint International Nuclear Emergency Exercises (OECD/NEA)
JRC	EU's Joint Research Center, Ispra, Italy
K	(Degrees) Kelvin
KAN	Nuclear safety and waste management research program, NKS 1990-1993
KASAM	National Council for Nuclear Waste, Sweden (Statens råd för kärnavfallsfrågor)
KBS-3	Kärnbränslecykelns slutsteg – Använt kärnbränsle
Kd	Distribution coefficient
KIPT	Kharkov Institute for Science and Technology, Ukraine
KLDRA	Combined interim storage and final repository for low and medium level

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	radioactive waste, Himdalen, Norway (Kombinert lager og deponi for lavt og middels radioaktivt avfall)
KNPP	Kola Nuclear Power Plant, Russia
KROTOS	Test facility at Joint Research Center Ispra for studying steam explosions
KSU	Nuclear Training and Safety Center, Sweden (Kärnkraftsäkerhet och utbildning AB)
KTH	Royal Institute of Technology, Sweden (Kungliga Tekniska Högskolan); also referred to as RIT
KTM	Ministry of Trade and Industry, Finland (Kauppa- ja teollisuusministeriö, Handels- och industriministeriet); also referred to as HIM
KU	Investigation of Consequences, Sweden (Konsekvensutredning)
LBB	Leak Before Break
LCO	Limiting Conditions for Operation
LER	Licensee Event Report
LEU	Low Enriched Uranium
LFR	Lead-Cooled Fast Reactor
LIBS	Laser Induced Breakdown Spectrometry
LIVEX	Barents Rescue 2001 Live Exercise
LLW	Low Level Waste
LNPP	Leningrad Nuclear Power Plant, Russia ("Sosnovyy Bor")
LNT	Linear No Threshold dose – response model
LOCA	Loss Of Coolant Accident
LOF	Loss Of Flow (accident)
LORACON	Local Radioactivity Control
LORAKON	See LORACON
LPSA	Living PSA
LSA	Low Specific Activity
LSTF	Large-Scale Test Facility
LT	Lithuania (ISO abbreviation)
LTA	Logic Tree Analysis
LV	Latvia (ISO abbreviation)
LWBR	Light Water Breeder Reactor
LWCHWR	Light Water Coolant Heavy Water Reactor
LWGR	Light Water Cooled Graphite Moderated Reactor
LWR	Light Water Reactor
MAAP4	Modular Accident Analysis Program
MAGNOX	Natural uranium-metal fuel in magnesium-aluminum-beryllium alloy cladding
manSv	man-sievert
Marina	Project supported by the European Commission to evaluate the radiological impact of natural and anthropogenic radioactivity in the sea and to provide an overall view of the radiological exposure of the populations to sources of radioactivity in the sea
Marina Balt	A Marina project regarding the Baltic sea, arranged in 1996 - 1998 (cf. Marina)
MÁU	Environmental Impact Statement, Iceland (Mat á umhverfisáhrif)
MBA	Material Balance Area
MC&A	Material Control and Accountability
MCC	Main Circulation Circuit
MCCI	Molten Core – Concrete Interaction

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MCP	Main Circulation Pump
MELCOR	Integral severe accident analysis computer code
MEP	Member of the European Parliament
MEPRD	Ministry of Environmental Protection and Regional Development, Latvia; also referred to as VARAM
MI	Maintenance Indicator
MINATOM	Ministry for Atomic Energy Issues, Russia
MIT	Massachusetts Institute of Technology
MKB	In Finland: Environmental Impact Assessment (miljökonsekvensbedömning) In Sweden: miljökonsekvensbeskrivning, which means <i>either</i> Environmental Impact Statement (document) <i>or</i> Environmental Impact Assessment (process)
MLW	Medium Level Waste
MMI	1. Man-Machine Interaction 2. Man-Machine Interface
MORS	Monitoring of Radioactive Substances in the Baltic Sea, an intergovernmental group of experts under HELCOM 1986 – 1996; cf. HELCOM, HELCOM/MORS and MORS-PRO
MORS-PRO	The MORS project, since 1996 carried out under the HELCOM umbrella
MOX	Mixed Oxide Reactor Fuel
MPC&A	Nuclear Materials Protection, Control And Accounting
MPP	Marked Point Process
MS	Mass Spectrometry
MSCo	Murmansk Shipping Company, Russia
MSI	Maintenance Significant Items
MSR	Molten Salt Reactor
MSV	Main Safety Valve
MTO	Man-Technology-Organization (Människa-Teknik-Organisation)
MUSTER	Multi User System for Training of Emergency Response
MWe	Megawatt electric energy
MWt	Megawatt thermal energy
NASA	US National Aerodynamics and Space Administration
NATO	North Atlantic Treaty Organization
NDA	Non-Destructive Analysis
NDEP	Northern Dimension Environmental Partnership
NDT	Non-Destructive Testing
NE	Nuclear Electric, UK
NEA	Nuclear Energy Agency (under OECD)
NEP	Nordic Nuclear Emergency Preparedness Group
NEPTUNO	Nuclear European Platform for Training and University Organizations
NGO	Non-Governmental Organization(s)
NGU	Geological Survey of Norway (Norges geologiske undersøkelse)
NIB	Norwegian Investment Bank
NII	Nuclear Installations Inspectorate, UK
NIRH	National Institute of Radiation Hygiene (SIS), Denmark
NIS	Newly Independent States
NILU	Norwegian Institute for Air Research (Norsk institutt for luftforskning)
NKA	Nordiska Kontaktorganet för Atomenergifrågor (Predecessor of NKS)
NKS	Nordic Nuclear Safety Research

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	(Nordisk KerneSikkerhedsforskning)
NLH	Norwegian Agricultural University (Norges Lantbrukshøjskole)
NMR	Nordic Council of Ministers (Nordiska ministerrådet)
NNWS	Non-Nuclear-Weapon States
NO	Norway (ISO abbreviation)
NOK	Norwegian currency (crowns, kroner)
NOPE	NEA's Office for Press Entertainment
NORM	Naturally Occurring Radioactive Materials
NOU	Norwegian Public Investigations (Norges offentlige utredninger)
NPP	Nuclear Power Plant
NPPA	National Physical Planning Agency, Iceland
NPSAG	Nordic PSA Group
NPT	Non-Proliferation Treaty
NRA	Nuclear Energy Authority
NRC	US National Regulatory Commission
NRPA	Norwegian Radiation Protection Authority (Statens strålevern)
NRPB	National Radiation Protection Board, UK
NRPS	Nordic Radiation Protection Society; also referred to as NSFS
NSA	Nuclear Safety Account (under EBRD)
NSC	Nuclear Science Committee (under OECD/NEA)
NSFS	Nordic Society for Radiation Protection (Nordiska sällskapet för strålskydd)
NSG	1. Nuclear Suppliers Group 2. Nuclear Suppliers Guidelines
NTNU	Norwegian University of Science and Technology
NUEXCO	Nuclear Exchange Corporation
NUSS	Nuclear Safety Standards (IAEA)
NWFZ	Nuclear Weapon-Free Zones
NWS	Nuclear-Weapon States
OECD	Organization for Economic Cooperation and Development
OIL	Operational Intervention Level
OKG	Oskarshamn NPP, Sweden (Oskarshamn KraftGrupp AB)
O&M	Operation and Maintenance
OMT	Object Modelling Technique
OPEC	Organization of Petroleum Exporting Countries
OSPAR	Convention for the Protection of the Marine Environment of the North-East Atlantic
PA	Performance Assessment
PACOMA	Performance Assessment of the Geological Disposal Medium-Level and Alpha Waste in a Clay Formation in Belgium
PAHO	Pan American Health Organization
PAP	Decision in Principle Process
PASCAL	PFM Analysis of Structural Components in Ageing LWRs
PASULA	Computer code modelling structural and thermal behavior of instrument tube penetrations in the reactor vessel lower head
PBMR	Pebble Bed Modular Reactor
PCCS	Passive Containment Cooling System
PCRV	Pre-Stressed Concrete Reactor Vessel
PCS	Purification and Cooling System
PCT	Peak Cladding Temperature

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PDMS	Plant Design Management System
PFM	Probabilistic Fracture Mechanics
PfP	Partnership for Peace
PFR	Prototype Fast Reactor
PHARE	Poland Hungary Aid for Reconstruction of the Economy, EU (later including all central and eastern European countries)
PHRS	Passive Heat Removal System
PHWR	Preassurized Heavy Water Reactor
PHS	US Public Health Service
PID	Process Influence Diagram
PIFRAP	Computer code for calculating crack growth in pipes
PIPA	Photon Induced Positron Annihilation
PIUS	Process Inherent Ultimate Safety (plant design by ABB Atom, Sweden)
PIV	Physical Inventory Verification
PL	Poland (ISO abbreviation)
PLEX	Plant License Extension
PLIM	Plant Life Management
PM	Preventive Maintenance
PMS	DEMA's Permanent Measurements System
POP	Post Office Protocol
ppm	Parts per million
PPP	1. Polluter Pays Principle 2. Point to Point Protocol
PPS	Plant Protection System
PPT	Public Participation and Transparency
PRA	Probabilistic Risk Assessment
PRHR	Passive Residual Heat Removal
PRIS	Nuclear Power Reactor Information System (IAEA Database)
PS	1. Process System 2. Predictive Simulator
PSA	Probabilistic Safety Analysis
PSAR	Preliminary Safety Analysis Report
PSI	Proliferation Security Initiative
PWR	Pressurized Water Reactor
QA	Quality Assurance
QC	Quality Control
QF	Quality Factor
ORA	Quantified Risk Assessment
QUENCH	Test facility at Forschungszentrum Karlsruhe, Germany
R2	Test reactor at Studsvik, Sweden
RAD	Radioecology research program, NKS 1990 – 1993
RADWASS	Radioactive Waste Management Standards (IAEA)
RAK	Reactor safety research program, NKS 1994 – 1997
RALA	Icelandic Agricultural Research Institute; also referred to as AGRI
RAM	Radioactive Material
RBMK	Russian "Channelized Large Power Reactor" (water-cooled graphite-moderated reactor)
RCM	Reliability Centered Maintenance
RCS	Reactor Coolant System

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R&D	Research and Development
RDC	Radiation Protection Center, Riga
RDBMS	Relational DataBase Management System
RDD	Radiological Dispersion Devices (“dirty bombs”)
RDIPE	Research and Development Institute of Power Engineering, Russia (also known as the Adamov Institute, with branches in Moscow and St. Petersburg)
RECRIT	Computer code for BWR recriticality and reflooding analyses
REID	Risk of Exposure Induced Death
REPU	Reprocessed Uranium
RES	Rock Engineering System
RESUME	Rapid Environmental Surveying Using Mobile Equipment (NKS)
RETU	Finnish Research Program on Reactor Safety (Reaktoriturvallisuuden tutkimusohjelma)
RF	1. Resuspension Factor 2. Russian Federation
RFC	Request For Comments
RHR	Residual Heat Removal
RIA	Reactivity Initiated Accident
RIE	Reactivity Initiated Event
RIF	Risk Increase Factor
RI-ISI	Risk-Informed In-Service Inspection
RIMPUFF	Risø’s Short Distance Model for Dispersion of Radioactive Material
RISCOM	Risk Communication – Model for transparency; and EU project
RIT	Royal Institute of Technology, Sweden (Kungliga Tekniska Högskolan); also referred to as KTH
RMA	Ranstad Mineral AB
RMS	Radionuclide Monitoring System
RMWR	Reduced Moderation Water Reactor
RO	Rapportervärd omständighet (event report)
RODOS	Real-Time On-Line Decision Support System for Nuclear Emergency Management (EU)
RPC	Radiation Protection Center, Vilnius
RPV	Reactor Pressure Vessel
RRSP	Regional Radiological Security Partnership
RSC	Radioactive Substances Committee
RSG	Replacement Steam Generator
RSP	Radiological Security Partnership
RTG	Radioactive Thermal Generator
RU	Russian Federation (ISO abbreviation)
RWM	Radioactive Waste Management
RWMC	Radioactive Waste Management Committee (OECD/NEA)
SADT	Structured Analysis and Design Technique
SALP	Systematic Assessment of Licensee Performance
SAM	1. Severe Accident Management 2. Project coordination and administrative services, NKS 1990 – 1997 (samordningsfunktioner)
SAMG	Severe Accident Management Guidelines
SAR	1. Search And Rescue 2. Safety Analysis Report

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SARA	Severe Accident Recriticality Analysis (EU project 1997-1998)
SAVE	Spatial Analysis of Vulnerable Ecosystems in Europe (EU project)
SBA	Cross-disciplinary activities, NKS 1998 – 2001
SBWR	Simplified Boiling Water Reactor
SCDAP/RELAP5	Computer code modelling in-vessel severe accident phenomena
SCS	Shut-Down Cooling System
SCWR	Super-Critical Water-Cooled Reactor
SDS	Safety Depressurization System
SE	Sweden (ISO abbreviation)
SEA	Strategic Environmental Assessment
SEK	1. Swedish currency (crowns, kronor) 2. Svenska Elektriska Kommissionen 3. Project coordination and administrative services, NKS 1998 – 2005 (sekretariatsfunktionen)
SESAM	Senior Experts on Severe Accident Management (OECD/NEA)
SESAR	Senior Experts on Safety and Research (OECD/NEA)
SFL	Final Repository for Long-Lived Waste, Sweden (Slutförvar För Långlivat avfall)
SFR	1. Final Repository for Radioactive Operational Waste, Sweden (Slutförvar För Reaktoravfall) 2. Sodium-Cooled Fast Reactor
SG	1. Steam Generator 2. Strategy Generator
SGR	Sodium Graphite Reactor
SGTR	Steam Generator Tube Rupture
SGU	Geological Survey of Sweden (Sveriges Geologiska Undersökning)
SI	State Identification
SIK	Reactor safety research program, NKS 1990 – 1993
SIMULATE-3K	Computer code modelling core neutronics and thermal-hydraulics
SIP	Swedish International Project/Nuclear Safety (under SKI)
SIR	Safeguards Inspection Report (IAEA)
SIS	1. Danish Radiation Protection Authority (Statens Institut for Strålehygiejne) 2. Safety Injection System 3. Standardiseringskommissionen i Sverige
SIUS	International Development Cooperation Program of the Swedish Radiation Protection Authority (SSIs internationella utvecklingssamarbete)
SJV	Statens jordbruksverk, Sweden
SKB	Swedish Nuclear Fuel and Waste Management Co. (Svensk kärnbränslehantering AB)
SKC	Svenskt kärntekniskt centrum (Swedish Center for Nuclear Technology)
SKI	1. Swedish Nuclear Power Inspectorate (Statens kärnkraftinspektion) 2. Swedish Quality Index (Svenskt Kvalitetsindex)
SKIFS	SKI Regulations (SKIs författningssamling)
SLU	Swedish University of Agricultural Sciences (Sveriges lantbruksuniversitet)
SLV	Statens livsmedelsverk, Sverige
SM	System Manager
SMART	System-Integrated Modular Advanced Reactor
SMHI	Swedish Meteorological and Hydrological Institute (Sveriges meteorologiska och hydrologiska institut)
SMS	Short Message Services

## List of Acronyms

SNAP	Severe Nuclear Accident Program
SNNAP	Swedish Nuclear Non-Proliferation Assistance Program (SKI)
SOAR	State Of the Art Report
SOS	Reactor safety, waste management and radiation protection research program, NKS 1998 – 2001
SPE	Solar Particle Events
SPSA	Shutdown PSA
SPWR	Simplified Pressurized Water Reactor
SRV	Swedish Rescue Services Agency (Statens räddningsverk)
SSAC	State System for Accountancy for and Control of Nuclear Materials
SSI	Swedish Radiation Protection Authority (Statens strålskyddsinstitut)
SSIFS	SSI Regulations (SSIs författningssamling)
STARC	Stop – Think – Act – Review – Communicate
START	US – Soviet nuclear disarmament treaty
STF	Säkerhetstekniska föreskrifter
STUK	Finnish Radiation and Nuclear Safety Authority (Säteilyturvakeskus, Strålsäkerhetscentralen)
Sv	Sievert
SV	Signal Validation
SVAFO	AB SVAFO (Sydkraft, Vattenfall, Forsmark, Oskarshamn), presently owned by Studsvik AB
TACIS	Technical Assistance to the Commonwealth of Independent States, EU
TCDC	Technical Cooperation among Developing Countries
TCF	Technical Cooperation Fund (IAEA)
TCP	1. Technical Cooperation Program (IAEA) 2. Transmission Control Protocol
TECDOC	Technical Document (IAEA)
T/H	Thermal-Hydraulics
THORP	Thermal Oxide Reprocessing Plant at Sellafield, UK
TLD	ThermoLuminescent Dosimeter/Dosimetry
TMI	Three Mile Island
TopSafe	Regular international topical meetings on reactor safety and new concepts in nuclear power production (arranged by ENS in cooperation with the host country's counterpart)
TopSeal	Regular international topical meetings demonstrating the practical achievements of nuclear waste management and disposal (arranged by ENS in cooperation with the host country's counterpart)
TQM	Total Quality Management
TRADOS	Meteorological long-range trajectory and dispersion model
TRAM	Transport of Radioactive Material
TRIGA	Training and Research Reactor
TS	Tracking Simulator
TSC	Technical Support Center
TUD	Availability, maintenance and operation (Tillförlitlighet, underhåll och drift)
TVO	Industrial Power Ltd., Finland (Teollisuuden Voima Oy, Industrins Kraft)
UGS	Urban Gamma Spectrometry
UN	United Nations
UNEP	United Nations Environmental Program
UNIDIR	United Nations Institute for Disarmament Research
UNIDO	United Nations Industrial Development Organization

## List of Acronyms

UNIPEDE	International Union of Producers and Distributors of Electrical Energy, Paris, France
UNSCEAR	United Nations Scientific Committee on the Effects of Atomic Radiation
UOC	Uranium Ore Concentration
UR	Utility Requirements
URL	1. Underground Research Laboratory 2. Uniform Resource Locator
US	United States of America (ISO abbreviation)
USACDA	US Arms Control and Disarmament Agency
USD	US currency (dollars)
USEC	US Enrichment Corporation
US NRC	US Nuclear Regulatory Commission
UTC	Universal Time Coordinate
VALDOR	Values in Decisions on Risk
VARAM	See MEPRD
VATESI	Nuclear Safety Authority, Vilnius, Lithuania
VHTR	Very High Temperature Reactor
VIC	Vienna International Center (where IAEA is located)
VLJ	Nuclear power plant operational waste (Finnish: Voimalaitosjäte)
VLJ Repository	Disposal facility for low and medium level operational waste arising at the Olkiluoto nuclear plant
VR	Virtual Reality
VRML	Virtual Reality Modeling Language
VTT	Technical Research Center of Finland (Valtion teknillinen tutkimuskeskus)
VVER	Russian pressurized light-water reactor
VVM	Environmental Impact Statement (Norwegian: Vurderinger af virkninger på miljøet)
WANO	World Association of Nuclear Operators
WAP	Wireless Application Protocol
WATRP	Waste management Assessment and Technical Review Program (IAEA)
WDS	Waste Documentation System
WEC	World Energy Council
WENRA	Western European Nuclear Regulators Association
WG	Weapon Grade
WHO	World Health Organization
WIN	Women In Nuclear
WMD	Weapons of Mass Destruction
WMO	World Meteorological Organization
WNA	World Nuclear Association
WNTI	World Nuclear Transport Institute
WNU	World Nuclear University
WPS	Warm Pre-Stress
WTO	World Trade Organization
Y2K	The Year 2000 Issue
YDINO	Finnish gaussian short-range meteorological dispersion model
YVA	Environmental Impact Assessment, Finland (Ympäristövaikutusten arviointi)
YVL	Finnish safety guidelines for nuclear power plants (Ydinvoimalaitos)

