

APPENDIX B

ACRONYMS AND ABBREVIATIONS

ACC	hulls and end-pieces compaction facility (AREVA NC – La Hague)	AIEA	IAEA International Atomic Energy Agency
ACN	Aarhus Convention and Nuclear (ANCCLI initiative)	ALARA	As Low As Reasonably Achievable (radiation protection principle also called “optimisation principle”)
ACO	Orsay collider ring (LURE – CNRS – Orsay)	ALLEGRO	experimental low-power, non-electricity generating, gas-cooled fast reactor (GFR) project
ACR	resins conditioning facility (AREVA NC – La Hague)	ALQA	Lorraine Air Quality Association
ACRO	Association for the Control of Radioactivity in the West	ALS	Saclay linear accelerator (CEA)
AD2	technological waste packaging facility (AREVA NC – La Hague)	AMDE	French equivalent of FMEA (Failure Modes and Effects Analysis)
ADEME	French Environment and Energy Management Agency	AMI	irradiated material facility (EDF – Chinon)
ADF	Assembly of <i>départements</i> of France	ANCCLI	National Association of Local Information Commissions and Committees (since 2009)
ADN	French acronym for DeoxyriboNucleic Acid (DNA)	ANCLI	National Association of Local Information Committees (until 2009)
ADNR	Agreement on the transport of dangerous substances on the Rhine	ANDRA	French National Agency for Radioactive Waste Management
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	ANR	French Research Agency
ADS	Accelerator Driven System (nuclear reactor driven by a particle accelerator)	ANRE	Agency for Natural Resources and Energy (Japan)
AEN	NEA Nuclear Energy Agency (OECD)	ANSES	National Agency responsible for Health and Safety of Food, the Environment and Work (since July 2010)
AERB	Atomic Energy Regulatory Board (Indian regulatory body)	ANSN	NNSA National Nuclear Security Administration (China)
AFCEN	French Association for NSSS Equipment Construction Rules	ANSTO	Australian Nuclear Science and Technology Organisation
AFCN	Federal Agency for Nuclear Control (Belgium)	AP 1000	Pressurised Water Reactor designed by Westinghouse
AFPPE	French Association of Electroradiology Paramedical Staff	AP 913	maintenance doctrine (EDF)
AFSSA	French Agency for Food Safety (incorporated into the National Agency responsible for food, environment and occupational health safety in 2010)	APE	state-based approach (principle governing incident or accident situation operating strategies)
AFSSAPS	French Health Product Safety Agency	APEC	fuel evacuation facility (EDF – Creys-Malville – Isère <i>département</i>)
AFSSET	French Agency for Environmental and Occupational Health Safety (created in September 2005, incorporated into the National Agency responsible for food, environment and occupational health safety in 2010)	AP-HP	Public Health Service – Paris Hospitals
AFTMN	French Association fo Nuclear Medicine Technologists	ARCCAD	renovated conditioning facility, Cadarache (CEA)
AGATE	effluent advanced management and processing facility (CEA – Cadarache)	AREVA	industrial group active in the nuclear fuel cycle and construction of nuclear installations
		AREVA NC	fuel cycle licensee (AREVA group)
		AREVA NP	designer and builder of nuclear power plants (AREVA group)
		ARH	Regional Hospitalisation Agency (integrated in the ARS in 2010)

ARN	RNA RiboNucleic Acid	BASOL	French database of polluted sites and soils requiring action by the public authorities
ARS	Regional Health Agency (since 2010)	BCI	spent fuel building
ASF	systematic training approach	BCOT	Tricastin operational hot unit (nuclear maintenance installation – EDF – Bollène)
ASG	steam generator auxiliary feedwater system (PWR)	BEA	French Aircraft Accident Investigation Bureau
ASN	<i>Autorité de Sûreté Nucléaire</i> (French nuclear regulatory body)	BEAD-air	French Defence Air Accident Investigation Bureau
ASND	Defence Nuclear Safety Authority (structure responsible for regulating nuclear safety and radiation protection with regard to defence-related nuclear activities and installations. It is placed under the authority of DSND)	BEA-mer	French Marine Accident Investigation bureau
ASQA	air quality monitoring association	BEA-TT	French Land transport accident investigation bureau
ASR	simple refuelling outage (PWR)	BECQUEREL	unit of radioactivity / name of a nuclear exercise held in 1996 in Saclay
ASSET	Assessment of Safety Significant Events Team (IAEA expertise)	BEIR	Committee on the Biological Effects of Ionizing Radiations (United States Academy of Science Committee)
ASTRID	prototype sodium-cooled fast reactor (SFR) projet (CEA)	BERD	EBRD European Bank for Reconstruction and Development
ATI	former pilot reprocessing plant for spent fuel from fast neutron reactors (CEA – La Hague)	Bel V	Technical Safety Organisation and subsidiary of FANC (since 2008)
ATALANTE	Alpha facility and laboratory for transuranian elements analysis and reprocessing studies (CEA – Marcoule)	BK	BK fuel building
ATENA	former project for a contaminated sodium waste treatment installation (CEA)	BMU	German Federal Ministry of the Environment, Nature Conservation and Nuclear Safety
ATEX	EXplosive ATmospheres (ATEX regulations)	BNFL	British Nuclear Fuels Limited
ATMEA	joint venture between AREVA and MHI responsible for the development, commercialisation, certification and sale of ATMEA 1, a new 1,100 MWe reactor	BNI	Basic Nuclear Installation
ATPu	plutonium technology facility (AREVA NC – Cadarache)	BO	Official Bulletin
ATSR	French Association for Technical and Scientific Radiation Protection	Bq	Becquerel
ATUE	enriched uranium processing facility (CEA – Cadarache)	BRGM	French Geological and Mining Research Office
AZF	former name of the company operating the fertiliser plant destroyed in the 21 September 2001 accident in Toulouse	BSF	drum storage building (EDF – Chooz)
BAC	waste auxiliary buildings	BSS	Basic Safety Standards
BAG	glovebox	BTE	effluent treatment building
BAM	German Federal Institute for Materials Research and Testing	BWR	Boiling Water Reactor
BAN	nuclear auxiliary buildings	CABRI	research reactor (CEA – Cadarache)
BASIAS	French former industrial sites and departments activity database	CADA	Committee of Access to Administrative Documents
		CANR	CNRA Committee on Nuclear Regulatory Activities
		CAPRA	increased consumption of plutonium in fast neutron reactors (plutonium burnup research programme – CEA)
		CARES	underwater storage facility (CEA – Cadarache)
		CASCAD	Cadarache bunker research reactor spent fuel storage facility (CEA)

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CCAP	French Central Committee for Pressure Vessels	CFU	Colony Forming Unit (the CFU per litre is the unit used to measure the concentration of legionella bacteria)
CCINB	BNI Consultative Committee (until 2010)	CGEDD	French Departmental Council for the Environment and Sustainable Development (Ministry of Ecology, Sustainable Development, Transport and Housing)
CCSN	CNSC Canadian Nuclear Safety Commission	CGIET	General Council for Industry, Energy and Technologies (Ministry of the Economy, Finance and Industry)
CDE	definitive cessation of operational activity (notion qualifying a phase in the life of a BNI, used before the 2006 reform)	CH	Hospital Centre
CE	European Community – “CE mark” - mandatory and regulatory conformity mark for some products in the European Union to ensure that the product conforms with the “essential requirements” defined by a European directive	CHICADE	Chemistry, waste characterization (CEA Cadarache)
CEA	French Atomic Energy Commission (now the Atomic Energy and Alternative Energy Commission)	CHRU	Regional university hospital
CEDAI	Internal Authorisations Assessment Committee	CHSCT	Committee for Health, Safety and Working Conditions
CEDRA	radioactive waste packaging and interim storage unit (CEA – Cadarache)	CHU	University hospital
CEE	European Economic Community	CIA	incident or accident response procedure (PWR)
CEE-NU	UNECE United Nations Economic Commission for Europe	CIC	French Inter-ministerial Crisis Committee
CEI	International Electrotechnical Commission	CICNR	Inter-ministerial Committee for Nuclear or Radiological Emergencies
CEIDRE	Construction and Operation Expert Appraisal and Inspection Centre (EDF)	CIDEN	Nuclear Environmental and Decommissioning Engineering Centre (EDF)
CELIMENE	former unit used to examine EL3 reactor fuel (CEA – Saclay)	CIPN	Nuclear Equipment Engineering Department (EDF)
CENAL	National Alarm Centre (division of the Swiss Federal Office for the protection of the population: the Confederation's technical organ for extraordinary events such as increases in radioactivity or various other technological accidents)	CIPR	International Commission on Radiological Protection (ICRP)
CENTRACO	low-level waste processing and packaging centre (CEA – Marcoule)	CIRC	International Agency for Research on Cancer (part of the WHO - Lyon)
CEPN	Nuclear Protection Evaluation Centre	CIRCE	transfer packaging containing radioactive organic waste (CEA – Fontenay-aux Roses)
CERCA	Company for the Design and Fabrication of Atomic Fuel	CIREA	Interministerial Commission for Artificial Radioelements
CERN	European Organization for Nuclear Research	CIRIL	Interdisciplinary ion laser research centre (CNRS & CEA – Caen)
CESE	EESC European Economic and Social Committee	CIS bio	Company specialising in international biomedical technologies, especially radiopharmaceuticals
CETIM	French Mechanical Engineering Industries Technical Centre	CISSCT	Inter-firm Health, Safety and Working Conditions Committee (for EDF power plants)
CFCa	Cadarache fabrication complex (COGEMA – MOX facility)	CITMD	French Interministerial Commission for the Carriage of Hazardous Goods
		CL	Lethal Concentration (CL X% = Concentration for a case fatality rate of X%)
		ClF₃	chlorine trifluoride

CLI	Local Information Committee	CODIRPA	Steering committee for managing the post-accident phase of a nuclear accident or radiological emergency situation
CLIGEET	Tricastin major energy facility local information committee (name of the CLI on the Tricastin site since 2008)	CODIS-CTA	Departmental Fire and Emergency Operational Centre – Alert Processing Centre
CLIO	free electron laser (LURE – CNRS – Orsay)	COFRAC	French Accreditation Committee
CLIS	– Local Committee for Information and Follow-up – name of the CLI for underground laboratories – Local Committee for Information and Monitoring (name of the CLI at the Fessenheim plant since 2009)	COFREND	French Non-Destructive Testing Confederation
CMIR	mobile radiological intervention unit	COGEMA	<i>Compagnie générale des matières nucléaires</i> (AREVA group, now known as AREVA-NC)
CMS	maximum design flood level (flood protection)	COGEMA	nuclear materials packaging and logistics transport compagy (COGEMA subsidiary)
CNA	Ardennes first French PWR – Chooz A reactor – EDF	COGIC	French Government Emergency Management Operational Centre
CNA-D	Equipment storage facility during decommissioning of the Chooz A reactor (EDF – Chooz)	COLEN	standing committee on nuclear pressure equipment
CNAM	French National Health Insurance Fund	COLTI	operational committee for the prevention of illegal labour
CNAR	French National Funding Commission for Radioactive Matters	COMURHEX	Société pour la conversion de l'uranium en métal et en hexafluorure (Company for the conversion of uranium into metal and hexafluoride) (AREVA group)
CNDP	French National Public Debates Commission	CONCERT	Concertation on European Regulatory Tasks (grouping of the nuclear regulatory bodies from eastern and western European countries)
CNE	National Review Board (concerning progress made in research into and studies on the management of radioactive materials and waste)	COPAT	Plant Unit Shutdown Steering Committee (EDF)
CNE2	Second National Review Board (commission set up after the “Waste” Act of 28 June 2006)	CORE	COperation for REhabilitation of living conditions in the contaminated Belarus territories
CNEN	National Centre for Nuclear Equipment – EDF	COREX	Follow-up to the CORE programme; analysis of experience feedback from actions taken in Belarus by the French teams
CNEPE	National Electricity Generating Equipment Centre – EDF	CoRWM	Committee on Radioactive Waste Management (high-level group of British experts on radioactive waste management)
CNPE	Nuclear Power Generation Site – EDF	COSRAC	Committee for the Monitoring of Research on the Cycle Back-End
CNRA	Committee on Nuclear Regulatory Activities (NEA)	COWAM	Community Waste Management (“concerted action” by the European Union’s 5th framework R&D programme concerning local decision-making with regard to nuclear waste)
CNRS	French National Centre for Scientific Research	CO₂	carbon dioxide
Co	Cobalt	CP0	first series of 900 MWe PWRs (EDF)
COD	Departmental Operations Centre	CP1	1st subdivision of the CPY series
CODERST	Departmental Council for the Environment and for Health and Technological Risks (since 2006)	CP2	2nd subdivision of the CPY series
Codex	collection of food health safety and consumer protection standards produced by a Alimentarius commission set up by the FAO and the WHO		

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CPA	special authorisation conditions – radiation sources	CTC	Technical Emergency Centre
CPE	special utilisation conditions – radiation sources	CTCAE	Common Terminology Criteria for Adverse Events (criteria used to rate the side-effects of cancer treatments)
CPP	main primary (cooling) system (PWR)	D/E EB	unit of the AREVA NC plant at La Hague
CPY	second series of 900 MWe PWRs (EDF)	D/E EDS	solid waste storage/storage removal (AREVA NC – La Hague)
CRAM	Regional Health Insurance Fund	DAC	authorisation decree (BNI procedure)
CRIIRAD	Committee for Independent Research and Information on Radioactivity	DAPE	operation extension approval dossier for BNIs
CRPPH	Committee on Radiation Protection and Public Health (NEA)	DCI	Communication and Public Information Department (ASN)
CSA	- Aube waste repository (ANDRA) (former name of the CSFMA), - Complementary Safety Assessment	DCN	- Nuclear Power Plants Department (ASN) - Nuclear Fuels Division (EDF)
CSD-B	standard bituminised waste package	DDAC	Community law adaptations bill
CSD-C	standard compacted waste package	DDASS	Departmental Health and Social Action Directorate (until 2010)
CSD-V	standard vitrified waste package	DDTEFP	Departmental Labour, Employment and Professional Training Directorate (until 2010)
CSFMA	low and intermediate level waste disposal facility (ANDRA)	DEM	decommissioning
CSG	irradiated graphite disposal centre	DEP	Nuclear Pressure Equipment Department (ASN)
CSIC	High Council for Classified Installations (replaced by the CSPRT in 2010)	DEU	Environment and Emergency Department (ASN)
CSIN	Committee on the Safety of Nuclear Installations (NEA)	DFD	Franco-German Steering Committee for Nuclear Safety Issues
CSLUD	Laboratories and Plants Safety Commission (reporting to the DSND, having competence for defence-related nuclear laboratories and plants)	DfT	Department for Transport (United Kingdom)
CSM	Manche waste repository (ANDRA)	DFK	Franco-German Committee for Nuclear Plant Safety Issues
CSN	- Consejo de Seguridad Nuclear (Spanish regulatory body) - Nuclear Safety Convention	DGAC	General Directorate for Civil Aviation – Ministry of Ecology, Sustainable Development, Transport and Housing
CSP	- main secondary cooling system (PWR) - French Public Health Code	DGCCRF	General Directorate for Competition Policy, Consumer Affairs and Fraud Control – Ministry of the Economy, Finance and Industry
CSPRT	High Council for the Prevention of Technological Risks (since 2010)	DGDDI	General Directorate of Customs and Excise (Ministry of the Budget, Public Accounts and Administrative Reform)
CSS	Commission on Safety Standards (IAEA)	DGEC	General Directorate for Energy and Climate (Ministry of Ecology, Sustainable Development, Transport and Housing)
CST	Scientific and Technical Committee (Euratom)	DGITM	General Directorate for Infrastructure, Transport and the Sea (Ministry of Ecology, Sustainable Development, Transport and Housing)
CSTB	Building Industry Scientific and Technical Centre		
CSTFA	VLL waste repository (ANDRA – Morvilliers – Aube <i>département</i>)		
CT	Labour Code		

DGOS	General Directorate for Health Care (Ministry of Labour, Employment and Health) (since 2010)	DRASS	Regional Health and Social Action Directorate (until 2010)
DGPR	General Directorate for Risk Prevention (Ministry of Ecology, Sustainable Development, Transport and Housing)	DRC	Nuclear Waste, Research Facilities, and Cycle Department (ASN – since beginning of 2011)
DGS	General Directorate for Health – Ministry of Labour, Employment and Health	DRD	Research Facilities and Waste Department (ASN – until end of 2010)
DGSCGC	General Directorate for Civil Protection and Crisis management (Ministry of the Interior)	DREAL	Regional Directorate for the Environment, Planning and Housing
DGSNR	General Directorate for Nuclear Safety and Radiation Protection (ASN central structure until the November 2006 reform)	DRI	International Relations Department (ASN)
DGT	General Directorate for Labour (Ministry of Labour, Employment and Health)	DRIEE	Inter-Departmental Regional Directorate for Environment and Energy (Ile-de-France region)
DG/TREN	Directorate-General for Energy and Transport (European Commission)	DRIRE	Regional Directorate for Industry, Research and the Environment (until 2010)
DHOS	Directorate for Hospitalisation and Health Care Organisation – Ministry of Health, and Sport (until 2010)	DRL	Diagnostic Reference Level
DHUP	Directorate of Housing, Planning and Landscape (Ministry of Ecology, Sustainable Development, Transport and Housing)	DRTEFP	Regional Labour, Employment and Professional Training Directorate (until 2010)
DIADEM	irradiating or alpha waste from decommissioning	DRYPAC	sludge drying process
DIN	Nuclear Engineering Division – EDF	DSC	Directorate for Civil Security (Ministry of the Interior, Overseas France, Local Authorities and Immigration)
DIRECCTE	Regional Directorate for Businesses Competition Policy Consumer Affairs Labour and Employment	DSND	Delegate for Nuclear Safety and Radiation Protection for National Defence Installations and Activities (see ASND)
DIS	Ionising Radiation and Health Department (ASN)	DTS	Transport and Sources Department (ASN – since beginning of 2011)
DIT	Industrial Activities and Transport Department (ASN – until end of 2010)	DTI	Total Indicative Dose
DNA	DeoxyriboNucleic Acid	DTPA	diethylene-triamine-penta-acetate (substance used in nuclear medicine)
DOE	Department of Energy (United States)	DUP	declaration of public interest procedure
DOR	review orientation file	EAN	European ALARA Network (the aim of which is to promote implementation of the ALARA principle)
DOS	safety options file (for BNIs)	EACA	European Association of Competent Authorities on the transport of radioactive material
DOT	Department of Transportation (USA)	EAS	reactor building containment spray system (PWR)
DPI	Production and Engineering Directorate (EDF)	EBR	relative biological efficiency (RBE)
DPAEP	Directorate for Personnel Management and Adaptation of the Professional Environment (Ministry of Economy, Finance and Industry)	ECS	complementary safety assessment
DPN	Nuclear Operation Division (EDF)	ECURIE	European Community Urgent Radiological Information Exchange system
DQPRM	Medical and Radiological Physics qualifying diploma	EDE	containment annulus ventilation system (PWR)
		EDF	<i>Électricité De France</i>
		EDS	solid waste interim storage area

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EEVSE	glass storage building (AREVA NC – La Hague)	EPRD	revenue and spending forecast (public establishment “budget”)
EEVLH	glass storage building extension on the La Hague site (AREVA NC – La Hague)	EPRUS	health emergency preparedness and response organisation
EFOMP	European Federation of Organisations in Medical Physics	EPS	probabilistic safety study
EGRA	Expert Group on Regulatory Authorisation (sub-group of the NEA’s CRPPH)	ERNET	Emergency Response NETwork (IAEA)
EGRPM	Expert Group on the Radiological Aspects of the Fukushima Accident	ERP	establishment open to the public
EIL	interlaboratory tests	ERPAN	European Radiation Protection Authorities Network
EIS	safety-related equipment	ERR	European Radiation Research society
ELAN II B	former sealed source fabrication installation (CEA – La Hague)	ESE	significant environmental event
EL3	heavy water reactor No. 3 (former experimental reactor – CEA – Saclay)	ESP	pressure vessel
EL4	heavy water reactor No. 4 (former Monts d’Arrée nuclear power plant – EDF – Brennilis)	ESPN	nuclear pressure vessel
EL4-D	equipment interim storage installation for decommissioning of the Monts d’Arrée nuclear power plant	ESR	significant radiation protection event
ENEF	European Nuclear Energy Forum	ESRF	European Synchrotron Radiation Facility (Grenoble)
ENS	European Nuclear Society	ESS	significant safety event
ENSI	Eidgenössisches Nuklearsicherheitsinspektorat (Swiss regulatory body since 1st January 2009)	EST	significant transport event
ENSREG	European Nuclear Safety Regulators Group (high-level group set up by the European Commission to deal with nuclear safety and waste management – former HLG)	ESWS	Essential Service Water System
EOLE	research reactor (CEA – Cadarache)	ETARE	establishments listed for emergency response purposes
E.ON	Electricity and gas production and distribution company (Germany, various European countries and United States)	ETPT	Full-Time Equivalent (FTE)
EP	public inquiry	EURANOS	EUROpean Approach to Nuclear and radiological emergency management and rehabilitation Strategies
EPA	Environmental Protection Agency (United States)	Euratom	EUROpean ATOMIC energy community treaty
EPAL	Emergency Preparedness and Action Levels (population protection measures harmonisation group – HERCA)	EUROCLI	European Association of Local Information and European dialogue forums
EPEES	security protection and evaluation exercises	EURODIF	European gaseous diffusion enrichment plant
EPFIF	public establishment for land management of the Ile-de-France region	EUROFAB	Fabrication in Europe (experimental programme to produce MOX fuel from military plutonium under the terms of the American-Russian agreement to reduce plutonium stocks)
EPR	Evolutionary Pressurized Water Reactor (new type of nuclear reactor developed by AREVA NP)	EUTERP	European Training and Education on Radiation Protection Platform
		EVEREST	French acronym for “evolving towards entry without standard suit” (entry into a controlled area in working overalls – initiative implemented by EDF)
		FA-MA	low activity - medium activity wastes
		FANR	Federal Authority for Nuclear regulation (UAE)
		FAO	Food and Agriculture Organization of the united nations

FAVL	low activity and long life radioactive waste		future nuclear reactors, known as 4th generation (see. GEN IV)
FBFC	Franco-Belgian Fuel Fabrication Company (Pierrelatte and Romans-sur-Isère)	GIMELEC	French industry association for electrical equipment, automation and related services
FDG	fluorodeoxyglucose (substance used in nuclear medicine)	GPE	Advisory Committee of experts (reporting to ASN)
FISA	Fission Safety (biennial conferences on nuclear reactor safety organised by the European Union)	GPD	Advisory Committee for waste (reporting to ASN)
FLS	local safety organisation	GPESPN	Advisory Committee for nuclear pressure equipment (reporting to ASN)
FMA	low and medium activity wastes (LMW)	GP MED	Advisory Committee for medical exposure (reporting to ASN)
FMA-VC	Low or medium activity and short-lived waste	GPMDR	“Radioactive Materials and Waste” Advisory Committee (ANCCLI)
FOD	Field Operations Directorate (HSE Directorate)	GPPA	“Territories – Post-nuclear-accident management” Advisory Committee (ANCCLI)
FOH	organisational and human factors	GPR	Advisory Committee for nuclear reactors (reporting to ASN)
FOSSEA	CEA project for recovering waste stored in old pits	GPRAD	Advisory Committee for radiation protection (non-medical) (reporting to ASN)
FP	Fission Products	GPT	Advisory Committee for transport (reporting to ASN)
FRAMATOME	French NSSS builder (now known as AREVA NP)	GPU	Advisory Committee for nuclear laboratories and plants (reporting to ASN)
FRAMATOME-ANP	Framatome – Advanced Nuclear Power (company set up by AREVA and SIEMENS to develop the new EPR reactor type – now known as AREVA NP)	GQA	Atomic Questions Group (AQG) (European Council)
FRAREG	Framatome Regulators (Association of regulatory bodies in countries operating power plants of French design)	GRNC	Nord Cotentin Radioecology Group (pluralistic experts group set up by ASN and the ministries concerned, to examine the issue of the radiological impact of nuclear activities in the Nord Cotentin region)
GALICE	nuclear fuel management method (EDF)	GRS	<i>Gesellschaft für Anlagen und Reaktorsicherheit</i> (technical support organisation for the German regulatory body)
GAMMATEC	ionisation installation (ISOTRON France company in Marcoule)	GSS	Moisture Separator-Reheater System (PWR)
GANIL	Large National Heavy Ion Accelerator (Caen)	GV	steam generator
GB I	Georges Besse Plant I – EURODIF	GWj	gigawatt day (energy unit)
GB II	Georges Besse Plant II	GWj/t	gigawatt day per ton (volume energy unit)
GBq	GigaBecquerel (thousand million Becquerels)	Gy	gray (unit of absorbed dose)
GEN IV	International “Forum” of ten countries and the European Union to develop future nuclear reactors, known as 4th generation (GEN IV)	G8	Group of the 8 leading industrial nations (Germany, Canada, United States, France, Italy, Japan, United Kingdom and Russia)
GEP	pluralistic expert group	HA	high activity
GESI	French group of Electronic Fire Safety industries	HAO	oxide high activity facility (AREVA NC – La Hague)
GFR	Gas-cooled Fast Reactor (see RNR-G)	HARMONIE	former fast neutron source reactor (CEA – Cadarache)
GIAG	severe accident action guide		
GIE	economic interest grouping		
GIF	Generation IV International Forum of ten countries and the European Union to develop		

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HAS	French National Authority for Health – since 2005	ICRU	International Commission on Radiation Units and measurements
HA-LL	high-activity long-lived waste	ICSI	Institut for an Industrial Safety Culture
HCSP	French High Public Health Council	ICSN	Nuclear Safety Cooperation Instrument (NSCI) (European Union)
HCTISN	French High Committee for Transparency and Information on Nuclear Security (created by the 13 June 2006 Act)	IDSP	weighted scanner dose index
HERCA	Head of European Radiation Control Authorities	IDT	Uncoupling and transit installation
HFD	Defence High Official	IFSN	Swiss Federal Nuclear Safety Inspectorate (since 1 January 2009)
HFDS	Defence and Security High Official	IGAS	General Inspectorate of Social Affairs
HFR	High Flux Reactor (Joint Research Centre of the European Union – Petten – Netherlands)	ILE	ITER Legal Entity (international body to be created to operate ITER)
HPST	law 2009-879 of 21 July 2009, reforming the hospital and relative to patients, health and the territories	ILL	Laue-Langevin Institute – Grenoble
HSE	Health and Safety Executive (UK organisation responsible for the prevention of technological risks)	IMDG	International Maritime Dangerous Goods code
HSE/ND	Health and Safety Executive/Nuclear Directorate (UK regulatory body within the HSE)	IN	Nuclear Inspection (EDF)
HSK	Hauptabteilung für die Sicherheit der Kernanlagen - Swiss Federal Nuclear Safety Inspectorate (Swiss regulatory body)	INB	Basic Nuclear Installation (BNI)
HT	tritium gas	INBS	Secret Basic Nuclear Installation
HTO	tritiated water	INCa	French National Cancer Institute
HTR	High Temperature Reactor (thermal neutron high temperature reactor)	INERIS	French National Institute for the Study of Industrial Environments and Risks
Hydrotéléray	network for continuous measurement of radioactivity in major rivers (IRSN)	INES	International Nuclear Event Scale
ICAO	International Civil Aviation Organisation	INEX	International Nuclear Emergency eXercise (conducted by the NEA in particular)
ICCRB	International Consultative Committee of Regulatory Bodies (group comprising representatives from the Regulatory authorities of Canada, Finland, France, Germany, Italy, Spain, Switzerland, United Kingdom and United States for the purpose of advising the Ukrainian regulatory body with respect to the Chernobyl site)	INF	international code for the safe carriage of packaged Irradiated Nuclear Fuel, plutonium and high-level radioactive wastes on board ships
ICEDA	activated waste packaging and interim storage installation (EDF interim storage project)	INPO	Institute of Nuclear Power Operations (United States)
ICL	Loire Cancerology Institute	INRA	– International Nuclear Regulators' Association (grouping the German, Canadian, Spanish, US, French, Japanese, UK and Swedish nuclear regulators) – French National Institute for Agricultural Research
ICPE	installation classified on environmental protection grounds (owing to its potential impact on the public and the environment, installation subject to the regulations defined in part I of book V of the French Environment Code)	INSAG	International Nuclear Safety Advisory Group (IAEA)
		INSERM	French National Health and Medical Research Institute
		INSTN	French National Institute for Nuclear Science and Technology – CEA
		InVS	French Health Monitoring Institute
		IONISOS	company operating irradiation installations

IPA	Instrument for Pre-Accession Assistance (European Union)	KEY	experimental sealing of drifts by pouring an “anchoring key” (ANDRA – Bure)
IPN	French Nuclear Physics Institute – Orsay	KEPCO	Kansai Electric Power Company (Japanese electricity production utility)
IRE	National Radioelements Institute, Fleurus – Belgium	KINS	Korea Institute of Nuclear Safety (technical support organisation for the South Korean regulatory body)
IRCA	Cadarache irradiator (CEA)	KKU	<i>Kernkraftwerk Unterweser</i> (nuclear power plant in Germany)
IRM	MRI magnetic resonance imaging	kW	kiloWatt
IRPA	International Radiation Protection Association	LAMA	active materials analysis laboratory (CEA – Grenoble)
IRRS	Integrated Regulatory Review Service (regulatory body organisation audit performed by the IAEA)	LCC	central product quality control laboratory (AREVA NC – La Hague)
IRSN	French Institute for Radiation Protection and Nuclear Safety – since 2002	LCIE	electrical certification and testing entity for Bureau Veritas
ISIS	research reactor (CEA – Saclay)	LCPu	plutonium chemistry laboratory (CEA – Fontenay-aux-Roses)
IS Ouest	West France welding institute	LDAC	fuel assembly shearing laboratory (CEA – Cadarache)
ISO	International Standard Organisation	LECA	active fuel examination laboratory (CEA – Cadarache)
ISOE	Information System on Occupational Exposure (OECD)	LECI	spent fuel testing laboratory (CEA – Saclay)
ISOTRON	company operating ionisation installations	LEFCA	laboratory for research and experimental fabrication of advanced nuclear fuels (CEA – Cadarache)
IT	conventional safety inspection/conventional safety inspectorate	LEP	Large Electron Positron Collider (CERN – Geneva)
ITER	International Thermonuclear Experimental Reactor (nuclear fusion reactor to be installed at Cadarache)	LFR	Lead-cooled Fast Reactor
JAA	Joint Aviation Authorities (Association of the national civil aviation authorities of the European countries, attached to the European Civil Aviation Conference. It sets guidelines for civil aviation certification, operations, maintenance and licensing)	LHA	high activity laboratory (CEA – Saclay)
JAIF	Japan Atomic Industrial Forum	LHC	Large Hadron Collider (CERN – Geneva)
JAR	Joint Aviation Requirements (rules drafted by the JAA)	LI	indicative limit (set by the Codex Alimentarius for the presence of radionuclides in foodstuffs)
JAR-OPS	Joint Aviation Requirements-Operations (rules drafted by the JAA concerning aircraft operations)	LOLF	French constitutional by law on budget acts
JEPP	equivalent full power day	LPC	Chemical Purification Laboratory (AREVA NC – Cadarache)
JFR	French radiology days (annual conference organised by SFR)	LUDD	Laboratories, Plants, Waste and Decommissioning
JHR	Jules Horowitz reactor (irradiation reactor: CEA – Cadarache)	LURE	Electromagnetic Radiation Laboratory (CNRS – Orsay)
JNES	Japan Nuclear Energy Safety Organization (technical support organisation for the Japanese regulatory body)	M5	name of a zirconium and niobium based alloy
JO	<i>Journal Officiel</i> – French official journal	MAD	final shutdown
		MAD/DEM	final shutdown and decommissioning (BNI procedure)

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ACRONYMS AND ABBREVIATIONS

MAGENTA	cellular nuclear materials storage facility project (CEA – Cadarache)	MHI	Mitsubishi Heavy Industries, Ltd (Japanese company working in the nuclear power plant sector, among others)
MAPu	medium level plutonium (MAPu facility: AREVA NC – La Hague)	MIMAUSA	History and impact of uranium mines: summary and archives – Programme for an inventory of uranium mining sites
MARN	Nuclear Risk Management Support Team – Ministry of the Interior/DDSC	MINEFI	Ministry of Economy, Finance and Industry (since November 2010)
MAS alpha	special intermediate level alpha effluent	MINERVE	research reactor (CEA – Cadarache)
MASURCA	Cadarache fast-breeder mockup (research reactor – CEA – Cadarache)	MIR	inter-regional fuel stores (EDF – Bugey and Chinon)
MAU	medium level uranium activity (MAU facility: AREVA NC – La Hague)	MMS	mobile emergency equipment
MA-LL	medium-activity long-lived waste	MoO₃	Molybdenum trioxide
MBq	megabecquerel (million of becquerels)	MOST	Ministry of Science and Technology (South Korean nuclear regulatory body)
MCMF	central fissile material warehouse (CEA – Cadarache)	MOX	mixed oxide fuel (mix of uranium and plutonium oxides)
MDB	river authority	MPL	Maximum Permissible Levels (for radioactive contamination of foodstuffs or livestock feed)
MDEP	Multinational Design Evaluation Program (multinational initiative in which secretaryship is ensured by the NEA, and which aims at pooling the knowledge of the safety authorities who will be responsible for the regulatory evaluation of new reactors)	MSNR	nuclear safety and radiation protection mission (MEDDTL/DGPR)
MDG	large components cutting unit (EDF – Creys-Malville – Isère <i>département</i>)	MSR	Molten Salt Reactor
MDS	organic solvent mineralisation facility (AREVA NC – La Hague)	mSv	millisievert (a thousandth of Sievert)
MDSB	solvents mineralisation facility (AREVA NC – La Hague)	MTI	temporary modifications of nuclear facilities
M€	million of euros	MTMD	hazardous materials transport mission
MEA	management and appraisal mission (ASN)	MWe	Megawatt electric (electric power unit)
MEAH	national mission for hospital appraisal and audit	N4	1,450 MWe nuclear power plant built by EDF
MEDDTL	Ministry of Ecology, Sustainable development, Transport and Housing (since November 2010)	NATURA 2000	group of natural sites protected in application of the European directives for the protection of birds and “natural habitats”
MELOX	MOX fuel fabrication plant (Marcoule)	NCACG	National Competent Authority Coordination Group (IAEA)
MELUSINE	research reactor (CEA – Grenoble)	NEA	Nuclear Energy Agency (OECD)
MERM	medical radiation technologist, radiation therapy technician	NECSA	Nuclear Energy Corporation of South Africa (South-African public entity carrying out R&D in the nuclear power field)
METI	Ministry of Economy, Trade and Industry (Japan)	NERSA	société “centrale nucléaire européenne à neutrons rapides SA” (former operator of SUPERPHÉNIX)
MeV	mega electron volt	NF	– <i>Naegleria Fowleri</i> (species of amoeba) – French standard
MEXT	Ministry of Education, Culture, Sports, Science and Technology (Japan)	nGy	nanogray (thousand millionth of a gray)
		NII	Nuclear Installations Inspectorate (HSE – United Kingdom)

NISA	Nuclear and Industrial Safety Agency (METI – Japon)	OIT	ILO International Labour Organisation
NMA	Maximum Permissible Level (MPL) (for radioactive contamination of foodstuffs or livestock feed)	OMS	WHO World Health Organisation (United Nations)
NNEMA	National Nuclear Emergency Management Administration (China)	ONR	Office for Nuclear Regulation
NNR	National Nuclear Regulator (South African regulatory body since 1999)	ONU	United Nations Organisation (UNO)
NNSA	National Nuclear Safety Administration (Chinese regulatory body)	OPECST	Parliamentary Office for the Evaluation of Scientific and Technological Choices
NORM	Naturally Occurring Radioactive Materials	OPERA	permanent environmental radioactivity observatories
NOx	nitrogen oxides	OPPBTP	Occupational Risk Prevention Organisation for the Building and Civil Engineering Industries
NPH	spent fuel element unloading and interim storage facility (plant UP2 800 – AREVA NC – La Hague)	OPS	see JAR-OPS
NRBC	Nuclear Radiological Biological Chemical	ORCADE	Project set up by AREVA NC for the decommissioning of the La Hague installations
NRC	Nuclear Regulatory Commission (American regulatory body)	ORL	French acronym for “Ear, Nose and Throat”
NRD	French acronym for Diagnostic Reference Level (DRL)	ORPHEE	research reactor (CEA – Saclay)
NRPA	Norwegian Radiation Protection Authority	ORSEC	general plan organising the emergency services at departmental, defense zone, or maritime prefecture level, should a disaster be declared by the State
NRR	Nuclear Reactor Regulation (NRC office in charge of reactor safety)	OSART	Operational Safety Review Team (IAEA)
NRU	National Research Universal reactor (Chalk River – Canada)	OSIRIS	research reactor (CEA – Saclay)
NSC	Nuclear Safety Commission (Japanese regulatory body)	OSPAR	Convention for the Protection of the Marine Environment of the North-East Atlantic (signed in 1992 and combining and updating the Oslo 1972 and Paris 1974 conventions)
NSSG	Nuclear Safety and Security Group (G8)	OSRDE	Safety Radiation Protection Availability Environment Observatory (EDF)
nSv	nanosievert (thousand millionth of a sievert)	P4	first series of 1,300 MWe nuclear reactors (EDF)
NSWG	Nuclear Safety Working Group (G7)	P'4	second series of 1,300 MWe nuclear reactors (EDF)
NUSSC	Nuclear Safety Standards Committee (IAEA)	PACA	<i>Provence-Alpes-Côte d'Azur</i> (region)
NuPEER	Nuclear Pressure Equipment Expertise & Regulation (nuclear pressure vessel symposium)	PAHO	Pan American Health Organization
OA	approved organisation for supervision	PAI	fire-fighting action plan
OACI	French acronym for the International Civil Aviation Organisation (ICAO)	PAP	annual performance plan (within the framework of the LOLF – document appended to the budget bill and for a given programme, presenting in particular the objectives and the expected results of the various programme actions)
OBT	Organically Bound Tritium	PAREX	post-accident experience feedback
OCDE	OECD Organisation for Economic Cooperation and Development	PASEPRI	action plan for monitoring patient exposure to ionising radiation
OEEI	EDF project to “Obtain Instalations in Exemplary Condition ”		
OFSP	Federal Public Health Office (Swiss radiation protection inspection agency)		

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PBMR	Pebble Bed Modular Reactor (4th generation reactor project – South Africa)	POPM	organisational plan in medical radiation physics
PC	Command post	POSÉIDON	irradiation facility (CEA – Saclay)
PCC	Command and Control Post (evaluation of consequences and measures)	PPI	off-site emergency plan (specific emergency plan drawn up by the State addressing risks associated with the existence and operation of specific installations or structures)
PCD	strategic management command post	PRECIS	Programme for recovery of spent fuel elements stored in a fuel assembly block
PCL	local command post (installation operation)	PRER	Radiation Protection, Environment and Risks Centre
PCM	resources command post (logistics)	PRI	integrated radiological protection
PCR	Person Competent in Radiation protection	PRISME	EURODIF project for intensive rinsing followed by venting
PCRD	research and development framework programme	PROCEDE	decommissioning research installation (CEA – Fontenay-aux-Roses)
PCS	communal disaster contingency plan	PROSPER	Peer Review of Operational Safety Performance Experience (organised by IAEA)
PDD	development plan (ANDRA)	PSP	multi-year strategic plan
PEGASE	spent fuel and radioactive substances interim storage installation (CEA – Cadarache)	PSRPM	medical radiation physicist
PET	Positron Emission Tomography	PSS	specialised emergency plan
PETSCAN	Positron Emission Tomography camera coupled with a CT scanner	PSS-TMR	specialised emergency plan for the transport of radioactive materials
PF	fission products	PTB	low operating range (PWR)
PHARE	Poland and Hungary Assistance for Reconstruction of Economy (programme of Community aid to countries of Central and Eastern Europe)	PTD	technical documentation series
PHÉBUS	research reactor (CEA – Cadarache)	PTR	reactor cavity and spent fuel pit cooling and treatment system (PWR)
PHÉNIX	fast neutron reactor (CEA – Marcoule)	PUI	on-site emergency plan (crisis management plan drawn up by a BNI licensee)
PHIL	linear electron accelerator (CNRS – Orsay)	PuO₂	plutonium oxide
PIRATE	response plans that are integrated in an overall heightened security, prevention, protection and counter-terrorism approach	PU-TMR	emergency plan for the transport of radioactive materials
PIRATOME	defense plan designed to counter the malicious use or threatened malicious use of radioactive or nuclear materials against people, the environment or property	PV	report, minutes of a meeting/statement of offence
PLU	local urban planning scheme	R7	vitrification facility (AREVA NC – La Hague)
PMSI	Medicalised Programme for Information Systems	RADWASS	Radioactive Waste Safety Standards (IAEA)
PNGMDR	French National Radioactive Material and Waste Management Plan (instituted by the 28 June 2006 Programme Act on the sustainable management of radioactive materials and waste)	RAMG	Regulatory Assistance Management Group (group set up by the European Commission to advise it on technical assistance requests from the nuclear regulators of Eastern European states)
PNSE	French National Health Environment Plan (to reduce the effects of environmental damage on the health of the population)	RANET	Response Assistance NETWORK (response network to requests for assistance in the case of a radiological emergency – IAEA)
POES	equipment maintenance and monitoring programmes	RAPSODIE	former fast neutron experimental reactor (CEA – Cadarache)

RASSC	Radiation Safety Standards Committee (IAEA)	RNR	fast neutron reactor
RaSSIA	Radiation Safety and Security Infrastructure Appraisal (IAEA)	RNR-G	gas-cooled fast neutron reactor
RCC	design and construction rules	RNR-Na	sodium-cooled fast neutron reactor
RCC-E	design and construction rules for electrical equipment	ROI	industrial tool renewal
RCC-G	design and construction rules for civil engineering	ROTONDE (1a)	solid waste management installation project (CEA – Cadarache)
RCC-M	design and construction rules for mechanical equipment	RPE	Radiation Protection Expert
RCD	waste recovery and packaging	RPO	Radiation Protection Officer
RCV	chemical and volume control system (PWR)	RPII	Radiological Protection Institute of Ireland
REB	French acronym for Boiling Water Reactor (BWR)	RPS	preliminary safety report (BNI procedure)
REC II	Reception, Shipment and Monitoring unit for uranium hexafluoride containers (Georges Besse II plant)	RRA	residual heat removal system (PWR)
REDT	study and technological development reactor	RR1	component cooling system (PWR)
REP	French acronym for Pressurised Water Reactor (PWR)	RSE-M	rules for in-service monitoring of mechanical equipment
RESERVOIR	aqueous radioactive effluent storage installation (CEA – Saclay)	RSN	regulation concerning the safety of ships
REX	operating experience feedback	RTE	French Transmission System Operator
RFS	basic safety rule	RTN	Rostekhnadzor (Russian nuclear safety authority, attached to the Federal Service of Industrial, Environmental and Nuclear Regulation)
RGE	general operating rules	RTSG	Radioactive Transport Study Group (IAEA working group)
RGSE	general surveillance and maintenance rules	RTGV	steam generator tube rupture
RHF	high flux reactor (Institut Laue-Langevin – Grenoble)	RTR	Research and Test Reactors (fuel assemblies known as “aluminides” used in research reactors)
RIA	Radio Immunology Assay	RTV	main steam rupture
RIC	Regulatory Information Conference (annual public conference held by the United States regulatory body)	RUS	Louis Pasteur University reactor (Strasbourg)
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	RWMC	Radioactive Waste Management Committee (NEA)
RIFE	Radioactivity in Food and the Environment (British report on radioactivity in the food chain and the environment)	RX	X-ray
RIS	safety injection system (PWR)	R & D	R&D research and development
RIV	internal vectorised radiotherapy	SCR	Radiation Protection Department
RIVM	Dutch National Institute for Public Health and the Environment	SAPPRE	Reflex Phase Population Alert System
RJH	Jules Horowitz reactor (irradiation reactor: CEA – Cadarache)	SAMU	French Emergency Medical Service
RM2	former radiometallurgy laboratory No. 2 (CEA – Fontenay-aux-Roses)	SARnet	European Severe Accident Research network
		SATURNE	former particle accelerator (CEA – Saclay)
		SCHAPI	Central Hydrometeorology and Flood Prediction Support Department (MEDDTL/DGPR)
		SCWR	SuperCritical Water Reactor
		SDIS	Departmental Fire and Emergency Service

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SEC	Essential Service Water System (ESWS) (PWR)	SIRCOM	Communication Department (Ministry of Economy, Finance and Industry)
SEI	irreversible effects threshold	SIRLaF	International society of radiation biology in French language
SEIVA	Valduc information exchange structure (Association created around the CEA centre at Valduc)	SISE-Habitat	Environment – Habitat health information system
SEL	lethal effects threshold	SISERI	Ionizing radiation exposure monitoring information system
SEPTEN	Design Department for Thermal and Nuclear Projects (EDF/DIN)	SISE-Eau	Environment – Water health information system
SET	<i>Société d'Enrichissement du Tricastin</i>	SITA FD	“ultimate” waste and polluted earth processing and disposal company (SITA group)
SEVESO	– “Seveso II” directive: name given to Council Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances (with reference to the site of a 1976 accident in a chemical plant) – “Seveso ” installation: installation subject to the “Seveso II” directive	SITOP	<i>Site Optimisation</i> (SITOP project about organisation change at AREVA NC La Hague)
SFBMN	French Society for Biophysics and Nuclear Medicine	SKI	Statens KärnkraftInspektion (Swedish regulatory body until 1 July 2008)
SFEN	French Nuclear Energy Society	SMHV	maximum historically likely earthquake
SFMN	French Nuclear Medicine and Molecular Imaging Society	SMP	Sellafield MOx Plant (MOx fuel production plant operated by the company BNFL in Sellafield)
SFPM	French Society of Medical Physics	SMQ	quality management system
SFR	French Society of Radiology	SMS	French acronym for Safe Shutdown Earthquake (SSE)
SFRO	French Society for Radiation Oncology	SNCS	<i>Société Normande de Conserve et de Stérilisation</i> (Normandy preserves and sterilisation company situated in Osmanville – Calvados)
SFRP	French Radiation Protection Society	SNM	military nuclear system (either a weapon system designed or adapted to deploy a nuclear weapon, or a military vessel propelled by nuclear power)
SG	Office of Administration (ASN)	SNR	<i>Société Nouvelle du Radium</i> (former radium mining company which left polluted sites after it closed)
SGDN	French General Secretariat for National Defence (until 2009)	SNRCU	State Nuclear Regulatory Committee of Ukraine (Ukrainian regulatory body)
SGDSN	General Secretariat for Defence and National Security (since 2010)	SOC	Organised disposal of hulls (AREVA NC – La Hague)
SHFJ	<i>Service hospitalier Frédéric Joliot</i> (CEA hospital service located in Orsay hospital – Essonne)	SOCATRI	<i>Société auxiliaire du Tricastin</i> (company operating an AREVA owned clean-up and uranium recovery installation at Bollène – Vaucluse <i>département</i>)
SI-ASN	ASN Information system	SOCODEI	<i>Société pour le Conditionnement des Déchets et Effluents Industriels</i> (Company for industrial effluent and waste treatment – EDF group)
SICN	<i>Société Industrielle de Combustible Nucléaire</i> (Industrial Nuclear Fuel Company)	SOH	socio-organizational and human (analysis)
SIEVERT	– equivalent dose and effective dose unit (Sv) – Computerized system for assessing the exposure to cosmic radiation during air transportation	SOLEIL	LURE Optimized Source of Intermediary Energy Light (synchrotron located in Saint Aubin, Essonne <i>département</i>)
SIGIS	source inventory management information system		
SILOE	research reactor (CEA – Grenoble)		
SILOETTE	research reactor (CEA – Grenoble)		

SOMANU	Société de Maintenance Nucléaire (Nuclear Maintenance Company - AREVA group - Maubeuge)	SUPERPHÉNIX	Fast Breeder Reactor under decommissioning (Creys-Malville – Isère <i>département</i>)
SOx	sulphur oxides	SUPPORT	Facility effluent treatment and waste storage facility under dismantling (CEA – Fontenay-aux-Roses)
SPECT	Single Photon Emission Computed Tomography	Sv	sievert (equivalent dose unit and effective dose unit)
SPF	fission products repository SPF facilities (AREVA NC – La Hague)	T7	vitrification facility (AREVA NC – La Hague)
SPIN	in-pile separation and incineration (Actinides Incineration Research Programme – CEA)	TACIS	Technical Assistance to the Commonwealth of Independent States (European Union aid programme for the former URSS countries)
SPIRAL	radioactive accelerated ion beam production source (GANIL – Caen)	TAR	cooling tower
SPPPI	Permanent Secretariat for the Prevention of Industrial Pollution and Hazards (multipartite local discussion structures for industrial pollution and hazards)	TBq	terabecquerel (one trillion becquerels)
SPRA	French Army Radiological Protection Service	TDM	TomoDensitoMeter (computed tomography scanner)
SPF	fission products storage (SPF units – AREVA NC – La Hague)	TE	Transfer and Sampling unit (AREVA NC – Tricastin)
SPS	Super Proton Synchrotron (super synchrotron à protons – CERN – Geneva)	TELEHYDRO	network for continuous monitoring of waste water radioactivity in major cities (IRSN)
SSI	<i>Statens StrålskyddsInstitut</i> (Swedish nuclear safety and radiation protection authority since 1 July 2008)	TELERAY	ambient radioactivity measurement network
SSM	<i>Strål säkerhets myndigheten</i> (Swedish nuclear safety and radiation protection authority since 1 July 2008)	TEMP	French acronym for Single Photon Emission Computed Tomography (SPECT)
STA	Science and Technology Agency (Japan)	TEMP-TDM	French acronym for Single Photon Emission Computed Tomography (SPECT) coupled with a CT scanner
STAR	treatment, clean-out and reconditioning station (CEA – Cadarache)	TENORM	Technologically Enhanced Naturally Occurring Radioactive Materials (raw materials whose radionuclide content has been increased by an industrial process but which are not used for their fissile, fusible or fertile properties)
STD	waste treatment station	TEP	French acronym for Positron Emission Tomography (PET)
STE	– technical operating specifications – effluent treatment station	TEP-TDM	Positron Emission Tomography associated with a computed tomography scanner
STED	effluent and waste treatment station	TEPCO	Tokyo Electric Power Company (Japanese electric utility)
STEDS	radioactive effluent and solid waste treatment station	TEPSCAN	PET camera coupled with a computed tomography scanner
STEG	Tunisian Company of Electricity and Gas	TFA	French acronym for Very Low Activity (VLA waste)
STEL	liquid effluent treatment station	TGAP	General Tax on Polluting Activities
STELLA	active liquid effluent treatment station project (CEA – Saclay)	THA	French acronym for Very High Activity (VHA waste)
STUK	<i>Säteilyturvakeskus</i> (Radiation and Nuclear Safety Authority - Finnish regulatory body)	TMD	Transport of Dangerous Goods
SÚJB	<i>Státní Úřad pro Jadernou Bezpečnost</i> (State Office for Nuclear Safety - Czech regulatory body)	TMP	Treatment of plutonium-bearing materials
		TMR	Transport of Radioactive Materials

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TN International	International subsidiary of AREVA NC specialising in the packaging, transport and interim storage of nuclear materials	UP2-800	spent fuel reprocessing plant (AREVA NC – La Hague)
TNA	sodium treatment installation (Na) (EDF – Creys-Malville – Isère <i>département</i>)	UP3	spent fuel reprocessing plant (AREVA NC – La Hague)
TRANSAS	TRANsport Safety Appraisal Service (mission organised by the IAEA to evaluate the organisation relative to the transport of radioactive materials and application of the international regulations in this area)	URE	enriched reprocessing uranium (fuel assemblies)
TRANSSC	TRANsport Safety Standards Committee (IAEA committee on radioactive materials transport safety standards)	USIE	Unified System for Information Exchange in Incidents and Emergencies – (IAEA tool proposed to member countries for the notification of nuclear events occurring on their territory)
TSN	TSN Act: Act of 13 June 2006 on transparency and security in the nuclear field	USNRC	see NRC
TSR	Transport of radioactive substances	UTE	Technical Union for Electricity and communication (French electro-technical standardisation body)
TU5	fuel cycle installation (AREVA NC – Pierrelatte)	UTM	Monazite treatment unit
TVO	<i>Teollisuuden Voima Oy</i> (Finnish electricity utility)	UTO	central technical department (EDF)
UAix	mixture of uranium and aluminium	UO2	uranium dioxide
UCD	Alpha Waste Conditioning Central Unit (AREVA NC – La Hague)	UO₂(NO₃)₂	uranyl nitrate
UE	EU European Union	U₃O₈	triuuranium octoxide
UF₄	uranium tetrafluoride	VATESI	<i>Valstybinė ATominės Energetikos Saugos Inspekcija</i> (Lithuanian regulatory body)
UF₆	uranium hexafluoride	VC	French acronym for short life
UFC	French acronym for Colony Forming Unit (CFU) (the CFU per litre is the unit used to measure the concentration of legionella bacteria)	VD	ten-yearly outage
ÚJD	Úrad Jadrového Dozoru (Nuclear Regulatory Authority of the Slovak Republic)	VD1	1st ten-yearly outage
UKEA	United Kingdom Environment Agency (England and Wales)	VD2	2nd ten-yearly outage
ULYSSE	“teaching” reactor (CEA – Saclay)	VD3	3rd ten-yearly outage
UMo	uranium-molybdenum alloy	VD4	4th ten-yearly outage
UMoSnAl	uranium-molybdenum-tin-aluminium alloy	VDS	Surveillance inspection visit
UNGG	Uranium Natural Graphite Gas (old-generation nuclear reactor process)	VHTR	Very High Temperature Reactor
UNIE	Operation Engineering Unit (EDF)	VP	partial inspection outage
UNSCEAR	United Nations Scientific Committee on the Effects of Atomic Radiation	VVP	main steam system
UOX	uranium oxide based fuel	W	fuel cycle plant (AREVA NC – Pierrelatte)
UP2-400	1st spent fuel reprocessing plant (AREVA NC – La Hague)	WANO	World Association of Nuclear Operators
		WASSC	Waste Safety Standards Committee (IAEA)
		WATRP	Waste management Assessment and Technical Review Programme (IAEA appraisal)
		WENRA	Western European Nuclear Regulators’ Association (extended in 2003 to all “nuclear” States that are members of the European Union or currently negotiating membership)
		WGIP	Working Group on Inspection Practices (NEA)

WGWD	Working Group on Waste and Decommissioning (WENRA)	ZGEL	liquid radioactive waste management zone (CEA – Saclay)
WNA	World Nuclear Association	ZIIS	surface installation zone (for waste disposal in deep geological formations)
WNTI	World Nuclear Transport Institute	ZIRA	zone of interest for in-depth studies (for waste disposal in deep geological formations)
WPAQ	Working Party on Atomic Questions (Council of the European Union)	ZPP	population protection zone
WPNEM	Working Party on Nuclear Emergency Matters	ZS	products and foodstuffs surveillance zone (following a nuclear accident)
ZEP	population clearing zone	ZSR	tightened surveillance zone
ZGDS	solid waste management zone (CEA – Saclay)		

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