



ACCESS TO ISO/TC 85 AND SCs INFORMATION:

Good cooperation between TC 85, its Sub Committees and Working groups requires experts to be registered in ISO Global Directory.

You have to be registered in each structure you are interested in.

a) You are not registered

Please contact your National Standardization Body (NSB) to be registered in the Global Directory. Your contact in your country is indicated under part 3 - Participating (P) countries and Observing (O) countries of this document. For further information :

http://isotc.iso.org/livelink/livelink?func=II&objld=8856032&objAction=browse&sort=name

http://ecom.afnor.org/livelink-fr/livelink.exe?func=II&objld=374758&objAction=browse&sort=name&viewType=1

b) You are registered as a TC or a SC expert

http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_tc_browse.htm?commid=50266&development=on

http://ecom.afnor.org/livelink-fr/livelink.exe?func=Il&objld=374739&objAction=browse

c) You are an expert in a WG and not yet registered in Global Directory

Please contact your National Standardization Body (NSB) (see §3 below).

d) You consider joining a WG

Please contact the WG Convener (see paragraph 4 above) and then contact your NSB (see c))

e) You are an expert in an international organization in liaison with ISO/TC 85 and you wish to be registered in Global Directory

Please contact ISO/TC 85 Secretary guilhem.cuny@afnor.org.





Scope, structure and contacts

ISO/TC 85 "Nuclear energy, nuclear technologies, and radiological protection"

Secretariat: <u>AFNOR</u>

Secretary: Mr. Guilhem Cuny

Chairperson: Mr. Bernard Sevestre (France) until the end of 2014

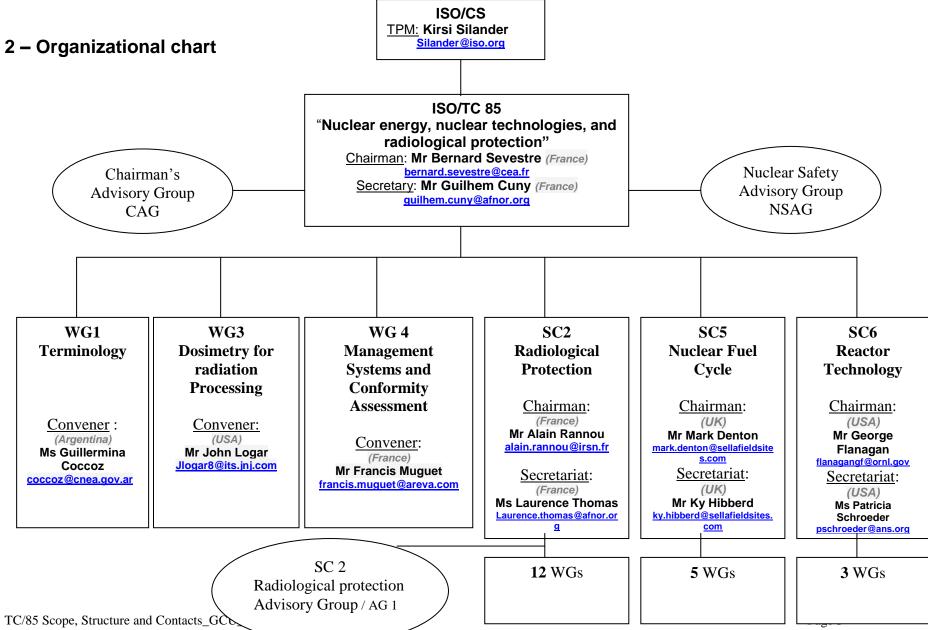
Creation date: 1956

1 - Scope

Standardization in the field of peaceful applications of nuclear energy, nuclear technologies and in the field of the protection of individuals and the environment against all sources of ionising radiations











3 – Participating (P) countries and Observing (O) countries

Country	T	C 85	S	C2	S	C5	S	C6	National Standardization Body
_	Р	0	Р	0	Р	0	Р	0	
Argentina	Χ		Х		Х		Х		IRAM ndrault@iram.org.ar Drault Natalia
Austria	Χ		Х						ASI karl.gruen@as-institute.at Gruen Karl Mr.
Belgium	Χ		Х		Х		Х		NBN <u>landrain@nbn.be</u> Landrain Marc Mr.
Brazil		Х		Х					ABNT gpri@abnt.org.br Cláudio Guerreiro Mr
Bulgaria	Χ		Х		X			X	BDS <u>dimcho.mihailov@bds-bg.org</u> Mihailov Dimcho Mr
Canada	Χ		Х		Х		Х		SCCggrant.isosd@scc.ca Grant Ginette Ms.
China	Χ		Х		X		Х		SAC <u>liux@sac.gov.cn</u> Li Xiaozhen
Cuba		X							NC nc@ncnorma.cu
Czech Republic		Х	Х						UNMZ extrel@unmz.cz tomas.jirak@unmz.cz
Egypt		X							EOS <u>eos measureph@yahoo.com</u> elzahir sharaf Mr.
Finland		Х	Х			Х	Х		SFS <u>ville.rantanen@metsta.fi</u> Ville Rantanen
France	Х		Х		Х		Х		AFNOR marc-externe.bussiere@edf.fr Bussière Marc M.
Germany	Х		Х		Х			Х	DIN volker.seibicke@din.de Seibicke Volker DiplIng.
Greece		Х							ELOTfdk@elot.gr Krokos Fragoulis D. Dr.
Hong Kong		X							ITCHKSAR psib@itc.gov.hk





Country	TC	C 85	S	C2	S	C5	SC	;	National Standardization Body
	Р	0	Р	0	Р	0	Р	0	
Hungary		Х	Х			Х		Х	MSZT g.csik@mszt.hu Csík Gabriella Mrs.
India	Х		Х		Х		Х		BIS edevendar@bis.org.in Devendar Ethiraj Mr.
Indonesia		Х							BSN kerj_int@bsn.go.id Haryadi Erniningsih Mrs
Iran	Х		Х		Х		Х		ISIRI <u>standard@isiri.org.ir</u> Ghasemi Elham Mrs.
Italy	X		Х		Х		Х		UNI martino@cti2000.it Martino Anna Ms
Japan	Х		Х		Х		Х		JISC kitaoken@aol.com kitao Kensuke Dr.
Korea, Republic of	Х		Х		Х		Х		KATS <u>kas@kepic.or.kr</u> Kim Ansup Mr
Mongolia		X		X		Х			MASM donjkoo_0113@yahoo.com Dorjkhand Orilbii Mrs
Netherlands		X	Х		Х		X		NEN <u>erica.fritse@nen.nl l</u> Fritse Erica
Norway		X		X					SN rdu@standard.no Duus Rolf Mr
Pakistan		X	X		Χ		X		PSQCA psqcadg@super.net.pk
Poland		X	Х			Х		Х	PKN <u>bozenna.mrowka@pkn.pl</u> Mrowka Bozenna
Romania		Х		Х		Х		Х	ASRO daniela.pasculea@asro.ro Daniela Pasculea Mrs
Russian Federation	Х		X		X		Х		GOST R poluektova@gost.ru Poluektova Olga Ms





Country	TC	85	S	C2	S	C5	SC	C6	National Standardization Body
	Р	0	Р	0	Р	0	Р	0	
Saudi Arabia	Х								SASO int-coop@saso.gov.sa Mansour Al-Motari Mr
Serbia		Х							ISS marina.donic@iss.rs Donic Marina Mrs
Slovakia		Х		X		X			SUTN jaroslav.maco@sutn.gov.sk Maco Jaroslav Mr
South Africa		Х		Х		Х		Х	SABS hlongwat@sabs.co.za Hlongwane Thembisile Mrs
Spain	X		Х		X		X		AENOR mgomez@aenor.es Gomez Montserrat Ms.
Sweden	X		Х		X		X		SIS pierre.carpentier@sis.se Carpentier Pierre Mr.
Switzerland	X		Х		Х		Х		SNV <u>elisabeth.stroppel@snv.ch</u> Stroppel Elisabeth Mrs
Thailand		X							TISI santik@tisi.go.th Kuagoolkijgarn Santi
Turkey		X						Χ	TSE tbuyukhelvacigil@tse.org.tr
Ukraine	X		Х		Х		Х		DTR <u>vanovskiy@certatom.kiev.ua</u> Viktor lanovskiy
USA	Χ		Х		Х		Х		ANSI <u>ilogar8@its.jnj.com</u> Logar John Mr
United Kingdom	Х		Х		Х		Х		BSI mark.barratt@bsigroup.com Barratt Mark Mr
Yémen		Х							YSMO <u>nejatyahya@yahoo.com</u> Yahya Ahmed Mr
Vietnam		Х							STAMEQ htqt@tcvn.gov.vn
TOTAL	21	22	26	6	21	7	20	7	

TC/85 Scope, Structure and Contacts_GCU_2014





4 – TC, Subcommittees & Working Groups structure and contacts

ISO/TC 85 recommends the development of Co-convenership.

For technical reasons, Co-Conveners are registered in Global Directory as Secretary or as Support team.

	Working Group 1 – Terminology
TC 85/WG1	Terminology To develop, maintain and promote standards in the field of TC/85 WGs and SCs. The development of these standards is based on the documents produced by ISO/TC37 "Terminology and other language and content resources". The objective of ISO/TC 85/WG 1 is to review the vocabularies used by different TC85 subcommittees and working groups and draft standards containing updated, commonly used terminological data not only in ISO but in other organizations such as IAEA. The convener can be reached as follow: coccoz@cnea.gov.ar Ms Guillerma Coccoz (Argentina) rodchu2@yahoo.ca Mr Rod Chu (Canada)
	Working Group 3 - Dosimetry for radiation Processing
TC 85/WG3	Dosimetry for radiation Processing To develop, maintain and promote standards on practices and methods for use of dosimetry in ionizing radiation processing applications including medical products, pharmaceuticals, foods, polymers, and other consumer products. The convener can be reached as follow: llogar8@its.jnj.com Mr John Logar (USA)





Worl	king Group 4 - Management Systems and Conformity Assessment
TC 84/WG 4	Management systems and conformity assessment To develop, maintain and promote standards with respect to management systems for the nuclear industry, who produces equipments, systems and services for nuclear operators and for NPP or NR vendors, there is a need for enhanced requirements with respect to ISO 9000/17000 series with the main objective of conformity assessment guaranties in coherence with the safety importance / classification. Excluded: Management standards for operations of nuclear installations, matters dealt with by IAEA. The convener can be reached as follow: francis.muguet@areva.com Mr Francis Muguet (France)





SC2 - Radiological Protection

TERMS OF REFERENCE

Standardization in the field of the protection of individuals (workers, patients, members of the public) and the environment against all sources of ionizing radiations in planned, existing or emergency exposure situations linked to nuclear activities, medical activities, industrial activities, research activities and natural radiation sources. It includes notably standardization for the design and use of equipment/systems/sources, metrology of radiation, dosimetry and related protocols, monitoring and measurement methods for the environment, control of goods and materials that may contain radioactive substances.

Excluded: Radiological protection instrumentation matters dealt with by IEC/SC45B and Water quality - Radiological methods dealt with by ISO/TC147/SC3.

TC 85/SC 2/WG 2

Reference radiations fields

To develop, maintain and promote standards covering the definition of reference radiation fields for type-testing and calibrating of radiation protection dosemeters in terms of the operational quantities for external exposure for individual and area dosimetry. The types of radiation include photons, beta particles and neutrons. The standards also include the dosimetry methods and the procedures for calibrating and determining the response of dosemeters.

The convener can be reached as follow: peter.ambrosi@ptb.de

Mr Peter Ambrosi (Germany)
jean-marc.bordy@cea.fr

Mr Jean-Marc Bordy (France)





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TC 85/SC 2/WG 11	Sealed sources To develop, maintain and promote standards covering sealed radioactive sources and associated devices. It deals with the following radiological protection aspects: - Classification and determination of mechanical and shielding requirements to assure the integrity of sources and devices in normal use and accident situations Leakage test methods to assure radioactive source integrity - Labelling and identification. Excluded: specifications of chemical or radiological properties of radioactive material and packaging for transportation or safety and security aspects. The convener can be reached as follow: john.parfitt@reviss.co.uk Mr John Parfitt (UK) Hugh.evans@ezag.com Mr Hugh Evans (USA) Tom.wasiak@nordion.com Mr Tom Wasiak (Canada)
TC 85/SC 2/WG 13	Monitoring and dosimetry for internal exposure To develop, maintain and promote standards addressing the monitoring and dosimetry of internal exposures from radionuclides for workers, for members of the public and for first responders in case of emergency. The aim of WG13 focuses on the definition and implementation of the monitoring programmes for acute or chronic exposures, the reference protocols of the biological measurements (in vivo and in vitro) and theirs performances required as detection limits, sensitivity, accuracy, precision and confidence limits, the interpretation of bioassay data in term of intake or internal dose assessment, influencing by a possible decorporation therapy, using the most appropriate biokinetic and dosimetric models, the estimation of the overall uncertainties budgets and quality assurance, quality controls and performance testing programmes. The convener can be reached as follow: philippe.berard@cea.fr Mr Philippe Berard (France) twaters@lanl.gov Mr Tom L. Waters (USA)





TC 85/SC 2/WG 14	Air control and monitoring To develop, maintain and promote standards addressing the measurements of airborne radionuclides in nuclear facilities or other facilities producing or handling radionuclide. Sampling strategies, sampling and measuring instrumentation, maintenance and documentation are recommended according to the relevant protection goal defined for workers, general public and the environment by the international radioprotection community. The convener can be reached as follow: ja.glissmeyer@pnnl.gov Mr J. Glissmeyer (USA) jeff.rivers@lab-impex-systems.co.uk Mr Jeff Rivers (UK)
TC 85/SC 2/WG 17	Radioactivity measurements To develop, maintain and promote standards covering test methods for radioactivity measurement needed for the monitoring of the environment with the exception of water (scope of TC147/SC3 Water Quality - Radioactivity Measurements) for regulatory purposes, research, etc. Standards cover basic aspects of radioactivity measurements (statistics, characteristics limits, calibration, etc.), laboratory test methods, in situ measurements and on-line measurements, of natural and artificial radionuclides as well as global parameters (gross alpha or beta activity assessment). The test methods include nuclear measurement techniques and mass spectrometry taking into account inter alia ISO 17025. The convener can be reached as follow: dominique.calmet@cea.fr
TC 85/SC 2/WG 18	Mr Tony Richards (UK) Biological dosimetry To develop, maintain and promote standards covering all techniques/methodologies or practices aim at providing an estimation of a radiation dose or a risk due to the exposure of human beings to ionizing radiations by means of an biological indicator/marker from human tissues (blood, tooth enamel, etc.). The convener can be reached as follow: phillippe.voisin@irsn.fr Mr Phillippe Voisin (France) paola.fattibene@iss.it Mrs Paola Fattibene (Italy)





TC 85/SC 2/WG 19	Individual monitoring of external radiation To develop, maintain and promote standards covering measurement techniques and methods used for the monitoring of individual exposures due to external radiation of any type (photons, beta, neutrons). Concerning measurement techniques, standards aim at defining tests and requirements to insure that a dosimetry system is adapted to its use. Regarding methods, standards aim at defining requirements and making recommendations on the methodologies applied to determine the need for monitoring worker exposure, and subsequently to choose the right dosimetry systems and to use them in practice. The convener can be reached as follow: francois.queinnec@irsn.fr Mr François Quéinnec (France) per.drake@vattenfall.com; drake.per@ciaoip.se Mr Per Drake (Sweden)
TC 85/SC 2/WG 20	Illicit trafficking in radioactive material - Dormant The convener can be reached as follow: - Resignation
TC 85/SC 2/WG 21	Dosimetry for exposures to cosmic radiation in civilian aircraft To develop, maintain and promote standards addressing the conceptual basis as well as methods and procedures for the determination of ambient dose equivalent for the evaluation of exposure to cosmic radiation in civilian aircraft and for the calibration of instruments used for this purpose. It also includes requirements for the qualification of codes used for dose assessment for aircrew members. The convener can be reached as follow: jeanfrancois.bottollier@irsn.fr Mr Jean-François Bottollier (France)
	<u>franck.wissmann@ptb.de</u> Mr Franck Wissmann (Germany)
TC 85/SC 2/WG 22	Dosimetry and related protocols in medical applications of ionizing radiation To develop, maintain and promote standards addressing diagnostic and therapeutic medical procedures using external or internal and sealed or unsealed sources of ionizing radiation. It includes estimation of patient dosimetry and patient activity, calibration of imaging devices, measurement protocols, and quality control. Standardization of medical procedures is excluded. It deals also with radiological protection aspects associated with the use of radio-pharmaceuticals (waste)
	management, protection of family and conforters).
	Excluded : the standardization of medical procedures





	The convener can be reached as follow: bernard.aubert@irsn.fr (France) Mr Bernard Aubert csoares@email.nist.gov Mr Chris Soares (USA)
TC 85/SC 2/WG 23	Shielding and confinement systems for protection against ionizing radiation To develop, maintain and promote standards addressing the protection of workers, patients, the environment and members of the public with regards to ionizing radiations through the development of standards related to shielding provisions against external exposure risks or related to confinement systems (static containment, dynamic confinement systems) against the risks of spread of hazardous materials. The design, construction, commissioning, operation, maintenance and dismantling of the systems involved in the control of these risks are part of this scope, as well as the associated calculations performed for these systems. The dynamic confinement systems include, but are not limited to: the ventilation systems, the filtration systems, their components and their materials. The convener can be reached as follow: pierre.cortes@iter.org Mr Pierre Cortes (France)
TC 85/SC 2/WG 24	Remote handling devices for nuclear applications To develop, maintain and promote standards addressing systems enabling distant manual work in nuclear installations. It encompasses both mechanical or electromechanical devices and computer-controlled systems. These systems are composed of an effector working in the exposed zone (slave) as well as an interface manipulated by the operator and a transmission enabling the operator to remotely handle objects. The convener can be reached as follow: philippe.garrec@cea.fr Mr Philippe Garrec (France) throws.nih.gov/transmission-nuclear installations . The convener can be reached as follow: philippe.garrec@cea.fr Mr Philippe Garrec (France) throws.nih.gov/transmission-nuclear installations . The convener can be reached as follow: philippe.garrec@cea.fr Mr Philippe Garrec (France) throws.nih.gov/transmission-nuclear installations . The convener can be reached as follow: philippe.garrec@cea.fr Mr Philippe Garrec (France) throws.nih.gov/transmission-nuclear installations . The convener can be reached as follow: throws.nih.gov/transmission-nuclear installations . The convener can be reached as follow: throws.nih.gov/transmission-nuclear installations . The convener can be reached as follow: throws.nih.gov/transmission-nuclear installations . The convener can be reached as follow:





SC5 - Nuclear Fuel Cycle

TERMS OF REFERENCE

Standardization in the field of nuclear fuel cycle and nuclear technologies.

Fuel cycle includes analytical methodologies and nuclear criticality safety.

Nuclear technologies include technologies other than nuclear energy and technical issues of common interest for reactors and other nuclear installations, such as transport of radioactive materials, radioactive waste management and decommissioning.

Excluded: - specific enabling technologies and techniques for the weapons-grade enrichment of fissionable materials, the enrichment and production of heavy water, and the reprocessing of irradiated nuclear materials;

- sealed sources, radiation processing, mining and topics related to siting of nuclear installations.

SC5 Working Groups

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Analytical methodology in the nuclear fuel cycle

To develop, maintain and promote standards for physical and chemical characterization of products such as UF6, UO2, (U,Gd)O2 and MOX products, including input and end products of reprocessing plants such as PuO2 and reprocessed Uranium products.

The convener can be reached as follow:

alain.chotard@areva.com
Mr Alain Chotard (France)
sumi.mika@jaea.go.jp
Ms Mika Sumi (Japan)





TC 85/SC 5/WG 4	Transportation of radioactive material To develop, maintain and promote standards associated with the equipment and procedures used for the transport of all radioactive material, including material from the nuclear fuel cycle, research activities, the industry, and for medical use, in order to improve safety, consistency and efficiency. The convener can be reached as follow: pierre.malesys@areva.com Mr Pierre Malesys (France) ralph pollard@msn.com
	Mr Ralph Pollard (USA)
TC 85/SC 5/WG 5	Waste characterization To develop, maintain and promote standards related to characterization and lifecycle management of all types of radioactive wastes.
	The convener can be reached as follow: badia.amekraz@areva.com Ms Badia Amekraz (France)
	simon.t.candy@sellafields.com Mr Simon Candy (UK)
TC 85/SC 5/WG 8	Nuclear criticality safety To develop, maintain and promote standards for the protection against the consequences of a criticality accident, preferably by prevention of the accident and for responding to such accidents should they occur.
	The convener can be reached as follow: hoppercm@comcast.net
	Mr Calvin Hopper (USA) sylvie.tarle@areva.com
	Ms Sylvie Tarle (France)





TC 85/SC 5/WG 13	Decommissioning To develop, maintain and promote standards related to decommissioning and remediation of nuclear sites and facilities.
	The convener can be reached as follow: jon.ford@sellafieldsites.com Mr Jonathan Ford (UK) Valerie.toulemonde@areva.com Ms Valérie Toulemonde (France)





SC6 - Reactor Technology

Standardization in the field of nuclear power plants and research reactors.

The scope includes siting, design, construction, operation and decommissioning.

Siting includes all types of nuclear installations and all topics such as flooding, seismic hazards, etc.

Research reactors include a large variety of facilities : production of neutron beams, irradiation of specimens, production of isotopes (especially production for nuclear medicine) and test reactors or prototypes of new technologies.

Excluded: decommissioning is limited to technical topics that are specific to reactors.

SC6 Working Groups		
TC 85/SC 6/WG 1	Power reactor analyses and measurements To develop, maintain and promote standards covering calculation, analysis and measurements in support of physics of power reactor core design and operation.	
	Such standards will (a) provide criteria for the selection of nuclear data and computational methods; (b) provide appropriate benchmark problem specifications for verification of calculation methods used by reactor core designers; (c) provide criteria for evaluation of accuracy and the range of applicability of data methods; (d) define methods of verification and of estimating uncertainties.	
	The convener can be reached as follow: cokinos@bnl.gov Mr Dimitrios Cokinos (USA) Frederic-p.laugier@edf.fr Mr Frédéric Laugier (France)	
TC 85/SC 6/WG 2	Research and test reactors To develop, maintain and promote standards for the design, construction, operation, maintenance, utilization, and decommissioning of research and test reactors. For the forthcoming years, priority will be given to operation, maintenance, utilization including refurbishment issues, dosimetry for research reactors services, and production of isotopes for nuclear medicine.	





	The convener can be reached as follow: lwhu@MIT.EDU Ms Lin-wen Hu (USA)
	patrick.raymond@cea.fr Mr Patrick Raymond_(France)
TC 85/SC 6/WG 3	Power Reactor, Siting, Design, Operation, and Decommissioning To develop, maintain and promote standards dealing with all topics related with the siting, design, operation and decommissioning of Power reactors. Operation includes emergency equipments.
	Power reactors include non-electrical applications and transportable nuclear reactors. <u>Excluded</u> : the standardization of ventilation systems (dealt with by SC2) and technical issues of common interest for reactors and other nuclear installations (dealt with by SC5) and topics which are within the scope of work of SC6/WG1
	The convener can be reached as follow: franck.lignini@areva.com Mr Franck Lignini (France) carl.mazzola@cbifederalservices.com Mr Carl Mazzola (USA)