

## **ISO/TC 85/SC 2 Radiation Protection**

#### **Marie-Line PERRIN**

#### **GT CIPR**





ISO is the International Organization for Standardization

ISO currently has some 130 member organizations on the basis of one member per country.

ISO is a non governmental organization and its members are standardization institutes in their respective countries





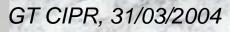
### ISO TC 85/SC 2 Radiation Protection

**20 Participant members:** 

Argentina, Austria, Belgium, Bulgaria, Canada, China, Czech Republic, Finland, France, Germany, Hungary, Italy, Japan, Korea, Poland, Russian Federation Spain, Sweden, United Kingdom, USA

**10 Observer members:** 

Czech Republic, Hungary, India, Ireland, Mongolia, Mexico, Netherlands, Pakistan, Romania, Slovakia, Switzerland

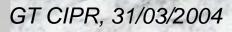






# ISO TC 85/SC 2 at a glance

- 1 Advisory Group
- 11 Working Groups
- 18 International Standards published since 1999
- 20 items in progress
- **8 potential International Standards**







# ISO TC 85/SC 2 External Liaisons

IAEA **International Atomic Energy Agency** Liaison officer : M.L. Perrin **European Commission** EC CERN **European Laboratory for Particle Physics ICRP International Commission on Radiological** Protection Liaison officer : M.L. Perrin ICRU **International Commission Radiation Units** and Measurements **International Labour Organization** ILO **IOLM** International Organization of Legal Metrology **World Health Organization** WHO WMO **World Meteorological Organization** 





# Structure of ISO/TC 85/SC 2

### Chairman: Dr Eugène Pauli – IRSN (France)

#### Secretary: Pierre Diakonoff – AFNOR





# **Structure of ISO/TC 85/SC 2**

- **WG 2** : Reference radiations
- WG 4 : Apparatus for testing industrial gamma radiography and irradiators
- WG 5 : Materials and devices for protection
- **WG 11 : Sealed sources**
- **WG 13 : Internal dosimetry**
- WG 14 : Contamination monitoring and control
- **WG 17 : Radioactivity measurements**
- **WG 18 : Biological Dosimetry**
- WG 19 : Dosemeters for external personal dosimetry
- WG 20 : Inadvertent and illicit trafficking in radioactive material

WG 21 : Dosimetry for exposures to cosmic radiation in civilian aircraft





# **ISO/TC 85/SC 2**

Publications 2003/2004

ISO 17873 Nuclear facilities- Criteria for the design and operation of ventilation systems for nuclear installations other than nuclear reactors

ISO 17874-1 Remote handling devices for radioactive materials-Part 1 : General requirements

ISO 17874-2 Remote handling devices for radioactive materials-Part 2 : Mechanical master-slave manipulators

ISO 19238 Radiation Protection- Performance criteria for Service Laboratories performing biological dosimetry by cytogenetics

ISO 21909 Radiation Protection- Passive personal neutron dosimetry systems- Performance and test requirements





# **ISO/TC 85/SC 2**

New items related to :

Internal contamination
 Biological dosimetry
 Brachytherapy
 Tomography
 Radioactive sources

Potential new items on :

Sealed sources
Medical field





# **ISO/TC 85/SC 2**

#### **New Work Item Proposals**

- Radiation Protection Guide to Monitoring Releases of Airborne Radioactive Substances From the Stacks and Ducts of Nuclear Facilities
- Clinical dosimetry Beta radiation sources for brachytherapy
- Radioactive sources Warning sign to indicate danger and promote protective action"
- Radiation Protection Performance criteria for service laboratories performing cytogenetic triage for assessment of mass casualties in radiological or nuclear emergencies"
- Model of dosimetry evaluation Paediatric computed tomography examination



### WEB Sites

## www.afnor.org

## www.iso.org

