

## **Total Lifecycle Safety and Security for Sealed Sources**

Producers and suppliers of sealed sources strongly endorse a commitment to the safety and security of sealed sources throughout their lifecycle. They do so through the cultivation and ongoing encouragement of a culture that promotes safety and security. In support of this principle and the IAEA Code of Conduct on the Safety and Security of Radioactive Sources, ISSPA has developed and endorsed the ISSPA Code of Good Practice. Through the implementation of the Code of Good Practice, ISSPA seeks to promote good and equitable business practices, and to make possible the beneficial uses of radioactive sources.

The Code of Good Practice will be developed, implemented and maintained by the International Source Suppliers and Producers Association.

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### **Code of Good Practice: Principles**

The Code of Good Practice covers the following principles, with an emphasis on safety and security.

#### **Regulatory Compliance**

- comply with all applicable requirements
- participate in the development, interpretation and implementation of regulations and guidelines

#### **Quality Management**

- consistently apply quality management to all aspects of source and equipment lifecycle that are under the producers or suppliers control
- perform all appropriate investigation and follow-up action in response to any identified product quality issues

#### **Design of sources and devices**

- design sources and devices to include, as appropriate:
  - compliance with ISO 2919 and other appropriate standards
  - verification of fitness for purpose
  - labelling for tracking purposes
  - physical features or properties to limit vulnerability to illicit use
  - operational features and functions related to safety and security
  - apply ALARA principles to radiological and industrial protection for users and the public
  - minimization of radiological waste during the manufacturing process and end of life management

#### **Manufacturing of sources and devices**

- maintain safety and security of materials during the isotope delivery and source manufacturing cycle
- apply ALARA principles to radiological and industrial protection for employees and the public
- minimization of radiological waste during the manufacturing process and end of life management

#### **Sales**

- as required by regulations, verify the legitimacy of customers and that they are authorized to possess and use the sealed source

- maintain contracts with distributors that clearly establish their obligations and their adherence to the principles of the Code of Good Practice
- advise the customer regarding appropriate technical conditions of use

### **Distribution**

- apply protocols to maintain safety, security and regulatory compliance during delivery
- as required by regulations, verify timely receipt at the intended destination

### **Tracking**

- in accordance with regulatory requirements and good business practices, maintain key information for source tracking purposes, and make this information available to the appropriate regulatory authorities

### **User support**

- provide operating, handling and maintenance instructions that include information regarding safety and security
- offer training and technical support to the users regarding safe and secure operation of the equipment and/or source
- when installing sources and/or equipment, perform installation verification tests as defined by the manufacturer (e.g. safety features, dosimetry)
- provide technical competence, when requested, in response to events regarding safety and security
- apply knowledge retention principles to facilitate source life cycle management

### **Source life cycle management**

- assist the user where needed, in managing disused sources (e.g. returning to manufacturer, recycling, and access to local storage facilities)
- assist the user, where needed, to identify financial provision options for managing disused sources
- provide technical competence, when requested, with the management of orphan sources