



International Atomic Energy Agency

**Code of Conduct on the Safety and Security
of Radioactive Sources
and
Guidance on the Import and Export of
Radioactive Sources**

**Control of Radiation Sources Unit, Regulatory Infrastructure and Transport Safety Section
NSRW-NS**

Contact: h.mansoux@iaea.org

Major Influences on the Code of Conduct



CODE OF CONDUCT ON THE SAFETY AND SECURITY OF RADIOACTIVE SOURCES

放射源安全和保安行为准则

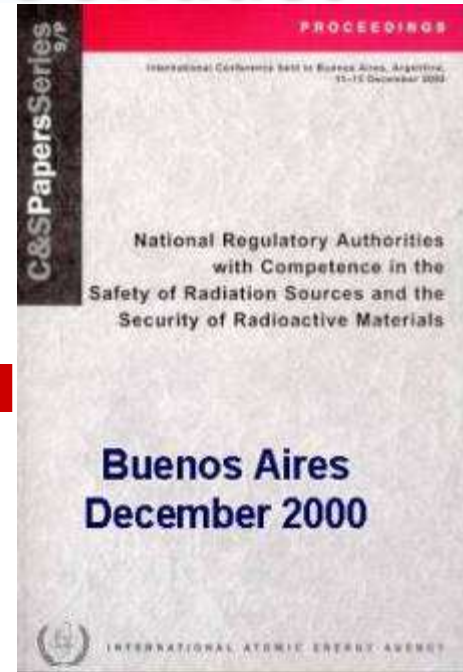
CODE DE CONDUITE SUR LA SÛRETÉ ET LA SÉCURITÉ DES SOURCES RADIOACTIVES

КОДЕКС ПОВЕДЕНИЯ ПО ОБЕСПЕЧЕНИЮ БЕЗОПАСНОСТИ И СОХРАННОСТИ РАДИОАКТИВНЫХ ИСТОЧНИКОВ

CÓDIGO DE CONDUCTA SOBRE SEGURIDAD TECNOLÓGICA Y FÍSICA DE LAS FUENTES RADIATIVAS

مدونة قواعد السلوك بشأن أمان المصادر المشعة وأمنها

IAEA
International Atomic Energy Agency



Sept 11

International At

Vienna, March 2003

G8 Evian Summit June 2003

Objectives

CODE OF CONDUCT ON
THE SAFETY AND SECURITY OF
RADIOACTIVE SOURCES

放射源安全和保安行为准则

CODE DE CONDUITE SUR
LA SÛRETÉ ET LA SÉCURITÉ
DES SOURCES RADIOACTIVES

КОДЕКС ПОВЕДЕНИЯ ПО
ОБЕСПЕЧЕНИЮ БЕЗОПАСНОСТИ И
СОХРАННОСТИ РАДИОАКТИВНЫХ
ИСТОЧНИКОВ

CÓDIGO DE CONDUCTA
SOBRE SEGURIDAD TECNOLÓGICA
Y FÍSICA DE LAS FUENTES
RADIATIVAS

مدونة قواعد السلوك بشأن أمن المصادر
المنشعة وأمنها



to achieve and maintain a high level of safety and security.

to prevent loss of control & malicious use.

to mitigate or minimize the radiological consequences of any accident or malicious act.



Code of Conduct and Import/ Export Guidance

- Set of Principles, Objectives and Guidance to ensure Safety and Security of sources
- Focuses on high activity sources (categorization safety guide RS.G 1.9)
- Approved by the Board and the General Conference in 2003 & 2004



Contents

CODE OF CONDUCT ON THE SAFETY AND SECURITY OF RADIOACTIVE SOURCES
放射源安全和保安行为准则

CODE DE CONDUITE SUR LA SÛRETÉ ET LA SÉCURITÉ DES SOURCES RADIOACTIVES

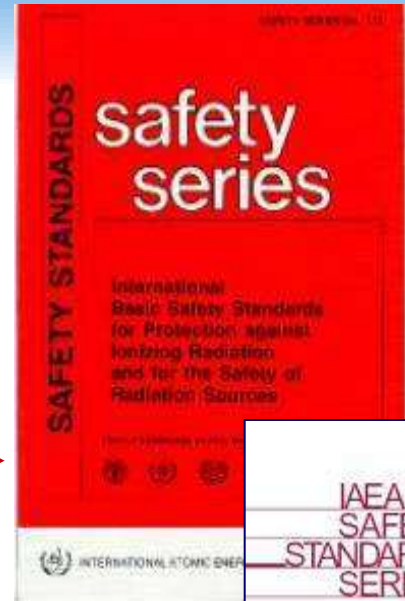
КОДЕКС ПОВЕДЕНИЯ ПО ОБЕСПЕЧЕНИЮ БЕЗОПАСНОСТИ И СОХРАННОСТИ РАДИОАКТИВНЫХ ИСТОЧНИКОВ

CÓDIGO DE CONDUCTA SOBRE SEGURIDAD TECNOLÓGICA Y FÍSICA DE LAS FUENTES RADIATIVAS

مدونة قواعد السلوك بشأن أمن المصادر المشعة وأمنها



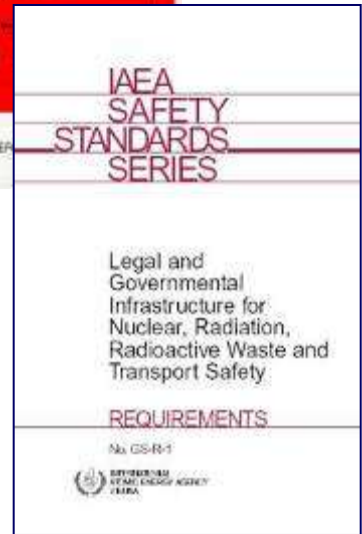
Based on existing International Standards



Provides guidance on:

- ✓
- ✓
- ✓
- ✓

**Legislation
Regulations
Regulatory body
Import/export controls**



Code of Conduct and Import/ Export Guidance

States should have:

➔ Effective national legislation, regulations and a regulatory body *paragraphs 7–22 of the Code; complementary to existing safety standards (GS-R-1 and BSS), and for security*

➔ Effective import/export controls *paragraphs 23 to 29 of the Code + supplementary Guidance*



Guidance on the Import and Export of Radioactive Sources (2004)

Scope: Category 1-2 sources

Import/export authorization based on evaluation of capabilities and authorization

- Cat. 1 sources: **consent** of importing State+ notification prior to shipment
- Cat. 2 sources: **notification** prior to shipment
- Exceptional circumstances (***e.g. considerable medical need, imminent radiological hazard or security threat***): **consent** of importing State

State Political Commitment to the Code of Conduct

In September 2003, GC urged each State to write to the Director General that:

- *it fully supports and endorses the Agency's efforts to enhance the safety and security of radioactive sources; and*

- *It is working toward following the guidance contained in the Code and encourages other countries to do the same.*
(GC47/Res7)

As of 30 June 2010, **99 States** have written to the Director General



 Made a commitment

State Political Commitment to to the Guidance

When the Code was approved, the Board's Chairperson stated that "... *there were still concerns regarding the import and export of radioactive sources. That matter needed to be further explored and some guidance developed.*"

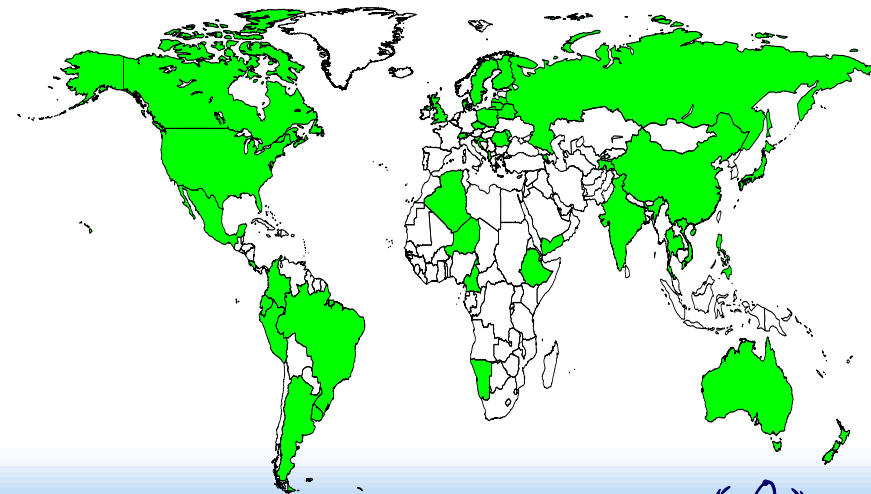
In September 2004, GC welcomed the approval by the Board and encouraged States to act in accordance with the Guidance on a harmonized basis, and

•to notify the Director General of their intention to do so as supplementary information to the Code of Conduct GC48/Res10

As of 30 June 2010, **58 States** have written to the Director General



 Made a commitment



Support for the Code of Conduct



Implementation of the Guidance

§4. “Each State is encouraged to nominate a point of contact for the purpose of facilitating the export and/or import of radioactive sources in accordance with the Code and this Guidance.”

- As of 3 February 2010, **105 States** have sent Point of Contact Details to IAEA.

The lists of countries are available on the IAEA WEB site.
(www.iaea.org)

<http://www-ns.iaea.org/tech-areas/radiation-safety/code-of-conduct.htm>



Implementation of the Guidance (Cont'd)

§18 “To facilitate the timely review of export requests, each State is urged to make available to the IAEA its responses to a Self–Assessment Questionnaire (Annex I).”

- As of 30 June 2010, **50 States** have sent the Self Assessment Questionnaire.
- For those States that accepted to release the answers to other States, the Questionnaires are available on the protected page for Points of Contact on the IAEA WEB site



IAEA efforts to Assist States Implement the Code and the Guidance

International Conference on the Safety and Security of Radioactive Sources:
Towards a Global System for the Continuous Control of Sources throughout their Life Cycle
Bordeaux, France, 27 June - 1 July 2005



Conférence internationale sur la sûreté et la sécurité des sources radioactives:
Vers un système global de contrôle et de suivi des sources durant leur cycle de vie
Bordeaux, France, 27 juin - 1er juillet 2005

Facilitate the Exchange of Experience between States in Implementing the provisions of the Code and the Guidance

- International Conferences (Bordeaux 2005)
Origin of a mechanism for a voluntary, periodic exchange of information among States on their implementation of the Code
- Establishment of a formalized process for exchange of information
 - ✓ Open Ended Meetings (June 2007, May 2008, June 2009, May 2010). Large attendance, very fruitful
 - ✓ Regional Workshops
 - ✓ **VOLUNTARY PROCESS**



IAEA efforts to Assist States Implement the Code and the Guidance (Cont'd)

3 forms available to facilitate implementation of the guidance and exchange of information between exporting and importing states:

• Request to the importing state for consent to import category 1 radioactive sources or to import Category 1 and 2 sources under exceptional circumstances;

• Request to the importing State for confirmation that the recipient is authorized to receive and possess Category 2 radioactive sources; and

• Notification to the importing state prior to shipment of Category 1 or 2 radioactive sources

REQUEST TO THE IMPORTING STATE FOR CONSENT TO IMPORT CATEGORY 1 RADIOACTIVE SOURCES OR TO IMPORT CATEGORY 1&2 SOURCES UNDER EXCEPTIONAL CIRCUMSTANCES Pursuant to Paragraphs 6, 7, 8, 14, 15 & 16 of the IAEA Guidance on the Import and Export of Radioactive Sources, and Paragraphs 23-25 of The Code of Conduct on the Safety and Security of Radioactive Sources.

请求进口国同意进口一类放射源

或在特别情况下同意进口一类和二类放射源申请表

根据国际原子能机构《放射源的进口和出口导则》第6段、第7段、第8段、第14段、第15段和第16段以及《放射源安全和保安行为准则》第23段至第25段

DEMANDE DE CONSENTEMENT DE L'ÉTAT IMPORTATEUR POUR L'IMPORTATION DE SOURCES RADIOACTIVES DE CATEGORIE 1 OU DE SOURCES RADIOACTIVES DE CATEGORIES 1 ET 2 DANS DES CIRCONSTANCES EXCEPTIONNELLES

En vertu des paragraphes 6, 7, 8, 14, 15 et 16 des orientations de l'AIEA pour l'importation et l'exportation de sources radioactives, et des paragraphes 23 à 25 du Code de conduite sur la sûreté et la sécurité des sources radioactives.

ЗАПРОС ИМПОРТИРУЮЩЕМУ ГОСУДАРСТВУ О СОГЛАСИИ НА ИМПОРТ РАДИОАКТИВНЫХ ИСТОЧНИКОВ КАТЕГОРИИ 1 ИЛИ ИМПОРТ ИСТОЧНИКОВ КАТЕГОРИИ 1 И 2 В ИСКЛЮЧИТЕЛЬНЫХ ОБСТОЯТЕЛЬСТВАХ В соответствии с пунктами 6, 7, 8, 14, 15 и 16 Руководящих материалов МАГАТЭ по импорту и экспорту радиоактивных источников и пунктами 23-25 Кодекса поведения по обеспечению безопасности и сохранности радиоактивных источников.

SOLICITUD AL ESTADO IMPORTADOR PARA QUE PERMITA LA IMPORTACION DE FUENTES RADIATIVAS DE LA CATEGORIA 1 O LA IMPORTACION DE FUENTES DE LAS CATEGORIAS 1 Y 2 EN CIRCUNSTANCIAS EXCEPCIONALES

Con arreglo a los párrafos 6, 7, 8, 14, 15 y 16 de las Directrices sobre la importación y exportación de fuentes radiactivas del OIEA, y a los párrafos 23 a 25 del Código de Conducta sobre la seguridad tecnológica y física de las fuentes radiactivas.

طلب إلى الدول المستوردة بشأن الموافقة على استيراد المصادر المشعة التي تنتمي إلى الفئة 1 أو استيراد المصادر التي تنتمي إلى الفئة 1 والفئة 2 في ظل ظروف استثنائية عملاً بالقرارات 6 و 7 و 8 و 14 و 15 و 16 من الإرشادات الواعية بشأن استيراد المصادر المشعة وتصديرها، والقرارات 23 إلى 25 من مدونة قواعد السلوك بشأن أمن المصادر المشعة وأمنها

IAEA efforts to Assist States Implement the Code and the Guidance (Cont'd)

The screenshot displays the IAEA website's 'Code of Conduct' page. The page features a navigation menu with options like 'Nuclear Safety & Security', 'Nuclear Energy', and 'Nuclear Applications'. A central section titled 'Code of Conduct' provides information about the 'Safety and Security of and supplementary Guidance of Radioactive Sources and Security of Radioactive Sources'. Below this, there are several highlighted sections in yellow boxes: 'List of States expressing support', 'Import/export contact points', 'Forms to facilitate import/export controls', 'Self Assessment Questionnaire', and 'Meeting reports in all languages'. On the right side, there is a 'Resources' section with links to 'The Code of Conduct (pdf)', 'Guidance on Import/Export', 'States expressing support for the Code of Conduct and the Import/Export Guidance', 'Map of States supporting the Code', 'Map of States supporting Import/Export guidance', 'Import/Export contact points (pdf)', and 'Directory of National Regulatory Bodies for Control of Radiation Sources'. There is also a 'Page links' section with links to 'Information exchange' and 'Forms to facilitate information exchange'.

Facilitate the Exchange of Experience between States in Implementing the provisions of the Code and the Guidance

Dedicated pages on the IAEA Web site

www-ns.iaea.org/tech-areas/radiation-safety/code-of-conduct.htm

IAEA efforts to Assist States Implement the Code and the Guidance (Cont'd)

The Code and the Guidance are fully integrated in the programme for strengthening the national regulatory infrastructure for radiation safety and for the security of radioactive sources.

- Integrated Regulatory Review Service (IRRS)**
 - ✓ Specific module to be selected by requesting State**
 - ✓ Questionnaire for Self Assessment**
 - ✓ Thematic area for the review mission**
 - ✓ Action Plan for improvement**

- Training Course Material for Regulators contains a specific module on authorisations of import and export of category 1 and 2 sources.**

- Training courses for Custom Officers and Lawyers address the issue.**

IAEA efforts to Assist States Implement the Code and the Guidance (Cont'd)

- The Code and the Guidance are fully integrated in the programme for strengthening the national regulatory infrastructure for radiation safety and for the security of radioactive sources (Cont'd).
- The Regulatory Authority information System (RAIS) is being promoted and periodically upgraded
 - ✓ Web based version now available to facilitate exchange of information between stakeholders, in particular for import and export of sources (Regulator / Customs).
 - Networking of Regulators in charge of regulatory control of radioactive sources is being promoted through many international and regional initiatives.

IAEA efforts to Assist States Implement the Code and the Guidance

What about Management of Disused Sources ?

- Addressed by the Code (Para 5(b):
“The objectives of the Code should be achieved through the establishment of an adequate system of regulatory control of radioactive sources, applicable from the stage of initial production to their final disposal.”
ie : **CRADLE TO GRAVE CONTROL**, including storage and disposal of waste
- Specific topic of the 2009 Meeting : **Technical Meeting on Implementation of the Code of Conduct on the Safety and Security of Radioactive Sources with Regard to Long Term Strategies for the Management of Sealed Sources** (**see chairman report as a valuable input for your discussions**)



IAEA efforts to Assist States Implement the Code and the Guidance

Longer Term plans

- Facilitate regional sharing of experience
- Focus on import/export controls and Management of Disused Sources
- Discuss further synergies between the Code of Conduct and the Joint Convention



Thank you for your attention...



***Have a successful and productive
Workshop...Looking forward to the outcomes.***