

Document Preparation Profile (DPP) **Version 1.3 dated 18 December 2012**

1. IDENTIFICATION

Document Category Nuclear Security Series – Implementing Guide

Working ID: NST024

Proposed Title: **Management for the Security of Radioactive Material and Associated Facilities**

Proposed Action: New document

Review Committee(s) or Group: NSGC, NUSC, RASSC, WASSC

Technical Officer(s): Brian Waud,

2. BACKGROUND/RATIONALE

Security Management for radioactive material and associated facilities is a topic which is mentioned in several IAEA guidelines in the Nuclear Security Series. In this context, security management describes the policies, processes and procedures that must be in place and followed for a physical protection system to be effective within the context of a broader security system.

A number of documents from the IAEA and other sources exist which discuss security management for radioactive material and associated facilities in the context of nuclear security (*Security of Radioactive Sources*, Nuclear Security Series No. 11; *Nuclear Security Recommendations on Radioactive Material and Associated Facilities*, Nuclear Security Series No. 14). The *Code of Conduct on the Safety and Security of Radioactive Sources* is intended to help States to achieve and maintain a high level of safety and security of radioactive sources through the development, harmonization and implementation of national policies, laws and regulations, and through the fostering of improved international cooperation. *The Management System for Facilities and Activities*, Safety Requirements, IAEA Safety Standards Series No. GS-R-3 and supporting Safety Guides for specific types of facility) will be reviewed for relevance to the topics under security management.

None of these documents provide an in-depth discussion of the security management concepts and their application specifically to security for high-activity radioactive material and associated facilities.

3. OBJECTIVE

To provide guidance for States and Operators to establish, implement, assess or improve security management for radioactive material (including sealed radioactive sources) and associated facilities, by defining State requirements; and to provide greater international confidence that high-activity radioactive materials are adequately secured.

4. JUSTIFICATION

The most recent Nuclear Security Summit in Seoul identified the need to secure radioactive material, including sealed sources. The risk of their involvement in a nuclear security event is relatively high if proper security management is not implemented. Current documents in the Nuclear Security Series provide general guidance on security management for radioactive material and associated facilities. However, a more detailed discussion of each of the various topics included under security management, their specific application to radioactive material and associated facilities as well as examples of best practices are currently lacking in the established guidance.

5. PLACE IN THE OVERALL STRUCTURE OF THE RELEVANT SERIES AND INTERFACES WITH EXISTING AND/OR PLANNED PUBLICATIONS

Although this document will focus on security management for radioactive material and associated facilities, it will include topics which may also be relevant to nuclear material and other facilities. However, the IAEA has determined that these topics should be applied differently for nuclear material and radioactive material (such as security culture and threat); therefore, this document will explain how they should be applied specifically to radioactive material and associated facilities. The document may be developed by using outside experts to write an initial draft which would be provided to a set of expert Consultants for review, editing and comment. Based upon this review, the draft will then follow the standard process of review and approval by IAEA Committee's and Member States before final publication.

The document will consider, as applicable, the aspects of an integrated management system that are covered in the Safety Requirements GS-R-3 and GS-R-4 and other supporting Safety Guides.

6. SCOPE AND OVERVIEW

The document will include a general discussion of security management topics and their importance within the overall security system. Following this will be a detailed chapter on each of the major topics within security management (as presented in NSSS 14 and as agreed by the drafters), how they apply to radioactive material and associated facilities, and finally guidance for both the regulator and the operator on how to implement them. The document will also provide examples of best practices, when possible. Some of the topics that are expected to be covered in the document as possible separate chapters are: risk management, understanding threat, vulnerability assessments, the graded approach, performance/compliance evaluations and review processes, response planning, roles and responsibilities, structure of security organizations, life-cycle management, security culture and awareness, trustworthiness, training, event reporting, information security, integration with operations and other protection areas, role of technology and how to make security efficient.

7. PRODUCTION SCHEDULE: Provisional schedule for preparation of the document, outlining realistic expected dates for:

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STEP 1: Preparing a DPP	DONE
STEP 2: Approval of DPP by the Coordination Committee	August 2012
STEP 3: Approval of DPP by the relevant review Committees	December 2012
STEP 4: Approval of DPP by the CSS	
STEP 5: Preparing the draft	January 2013
STEP 6: Approval of draft by the Coordination Committee	August 2013
STEP 7: Approval by the relevant review Committees for submission to Member States for comments	October 2013
STEP 8: Soliciting comments by Member States	November 2013
STEP 9: Addressing comments by Member States	February 2014
STEP 10: Approval of the revised draft by the Coordination Committee Review in NS-SSCS	April 2014
STEP 11: Approval by the relevant review Committees	June 2014
STEP 12: Endorsement by the CSS	
STEP 13: Establishment by the Publications Committee and/or Board of Governors (for SF and SR only))	August 2014
STEP 14: Target publication date	Q4 2014

* Column A for Safety Fundamentals, Safety Requirements and Safety Guides.

*Column B for Nuclear Security Fundamentals, Recommendations and Implementing Guides.
Column C for TECDOCs, safety reports and other publications*

8. RESOURCES

The development of this document would involve preparation of an initial draft document, review by IAEA staff and other key stakeholders and then input would be solicited from a wider group to review and provide input. Once the document has been finalized it would then be translated and made available on the IAEA web site. The preparation of the initial draft document would take ~ 4 weeks level of effort (LOE), initial review ~ 2 weeks LOE, IAEA administrative and G-staff support ~1 week and translations period is not known.