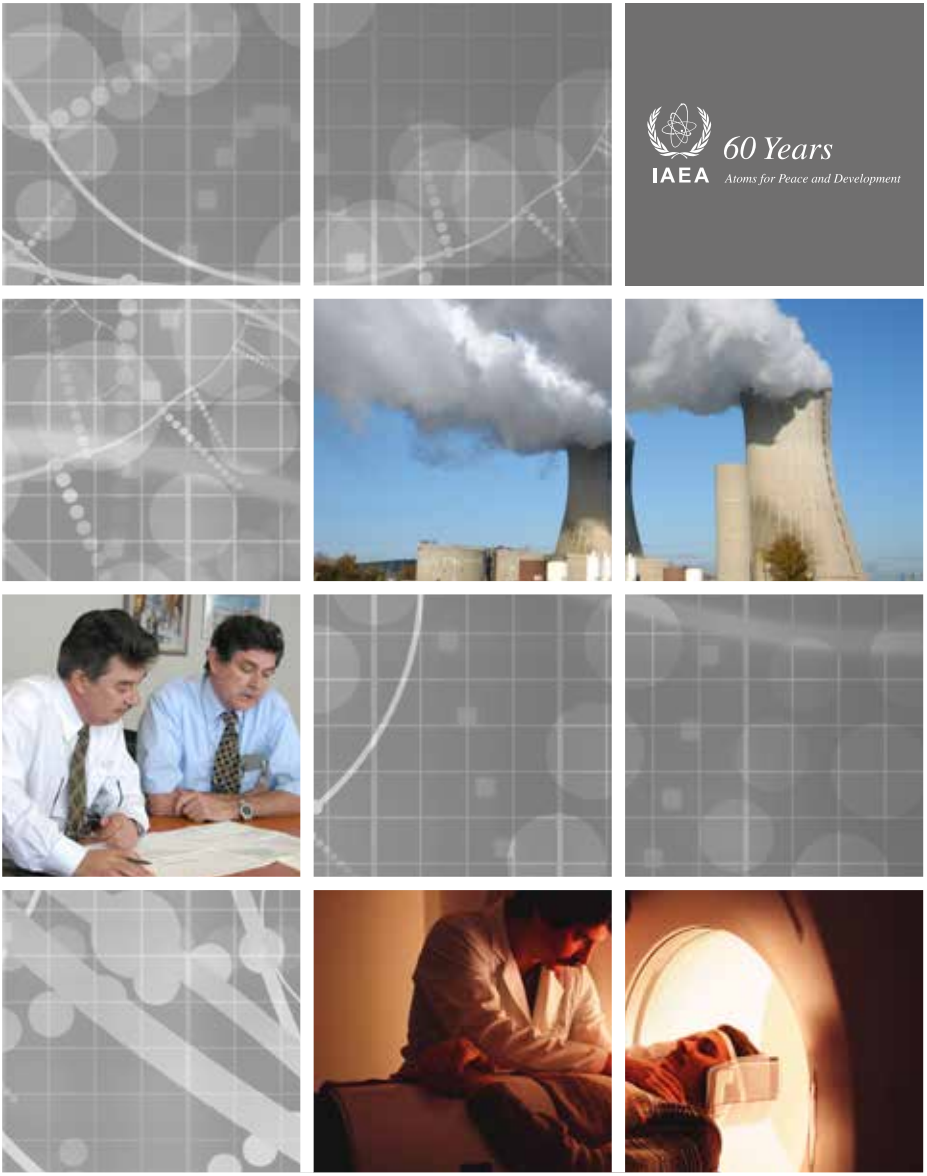


USER'S GUIDE | NSS-OUI

Nuclear Safety and Security – Online User Interface Tips

https://nucleus-apps.iaea.org/nss-oui

The IAEA safety standards

The IAEA safety standards provide a robust framework of fundamental principles, requirements and guidance for ensuring safety. They contribute to the achievement of a high level of safety worldwide by serving as the global reference for protecting people and the environment against radiation risks.

The publication Fundamental Safety Principles (SF-1) of the IAEA Safety Standards Series establishes the fundamental safety objective and ten safety principles.

An integrated and consistent set of Safety Requirements publications establish the requirements that must be met to ensure the protection of people and the environment against radiation risks, both now and in the future. The requirements are governed by the objectives and principles of the Safety Fundamentals.

IAEA Safety Guides provide recommendations and guidance on how to comply with the requirements. They represent an international consensus that it is necessary to take the measures recommended (or equivalent alternative measures).

The Nuclear Security Series

Nuclear security issues relate to the prevention and detection of, and response to, theft, sabotage, unauthorized access and illegal transfer or other malicious acts involving nuclear material and other radioactive substances and their associated facilities. These are addressed in IAEA Nuclear Security Series publications.

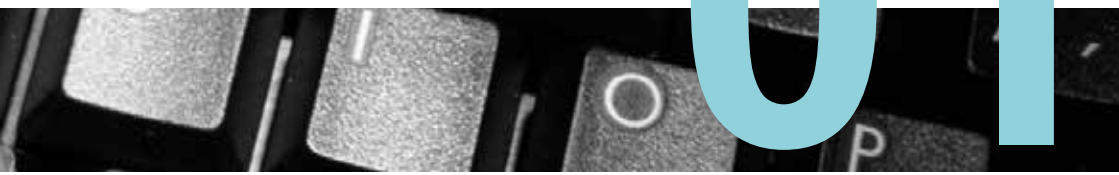
The Nuclear Security Fundamentals specify the objective and essential elements of a State's national nuclear security regime. These provide the basis for the Nuclear Security Recommendations.

Nuclear Security Recommendations publications set out measures that States should take to achieve and maintain an effective national nuclear security regime consistent with the Fundamentals.

Implementing Guides provide guidance on means by which States could implement the measures set out in the Recommendations. As such, they focus on how to meet the Recommendations relating to broad areas of nuclear security.

Technical Guidance publications provide guidance on specific technical subjects to supplement the guidance set out in Implementing Guides. As such, they focus on details of how to take the necessary measures.

https://nucleus-apps.iaea.org/nss-oui



01

What is the purpose of the NSS-OUI Platform?

- To ensure that the **review and revision of publications** in the IAEA Safety Standards Series and in the Nuclear Security Series are informed by a **systematic process** of collection and analysis of **feedback**;

- To ensure that any **revision of publications or parts of publications is justified** by the above mentioned feedback process, therefore also **ensuring stability** of the parts of the standards and guidelines that remain valid;

- To **maintain technical consistency** between publications by managing them as a series;

- To **enhance consistency** through the systematic use of harmonized terminology;

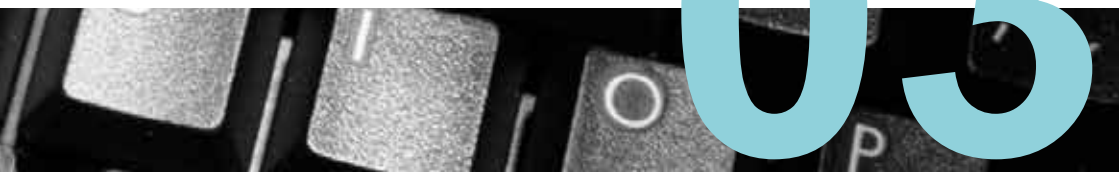
- To **ensure comprehensive coverage** by means of a systematic 'top -down' approach to review and revision complemented by topical gap analyses;

- To **support the harmonized use** and application of the IAEA safety standards and Nuclear Security Series publications **by enhancing their user-friendliness** and by providing tools for users to easily navigate within the series.

02

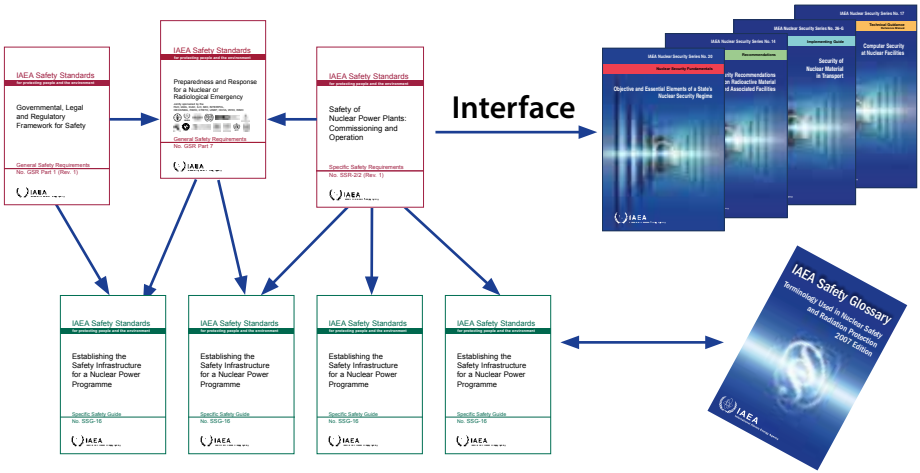
Components of the NSS-OUI Platform

- A component content management system for managing the series, the content of the publications and their relationships;
- A knowledge management system to manage the feedback on existing publications and to support its analyses;
- An Online User Interface (NSS-OUI) that facilitates access to the content of the publications, enables online navigation through the series, and provides an advanced topical and contextual search capability;
- A management system for the review, revision and approval process;
- Multiple format output possibilities (html, PDF, MS Word and epub);
- Multiple device access with responsive design: desktops, laptops, tablets and smartphones;
- Multiple browser compatibility: most popular web browsers support the NSS-OUI platform.



03

Content and relationship management through metadata and explicit relationship information



- The 'top down' development approach that was adopted for the IAEA safety standards and the Nuclear Security Series publications means that:
  - Safety Requirements cannot reference the related Safety Guides and
  - Nuclear Security Recommendations cannot reference the related guidance.

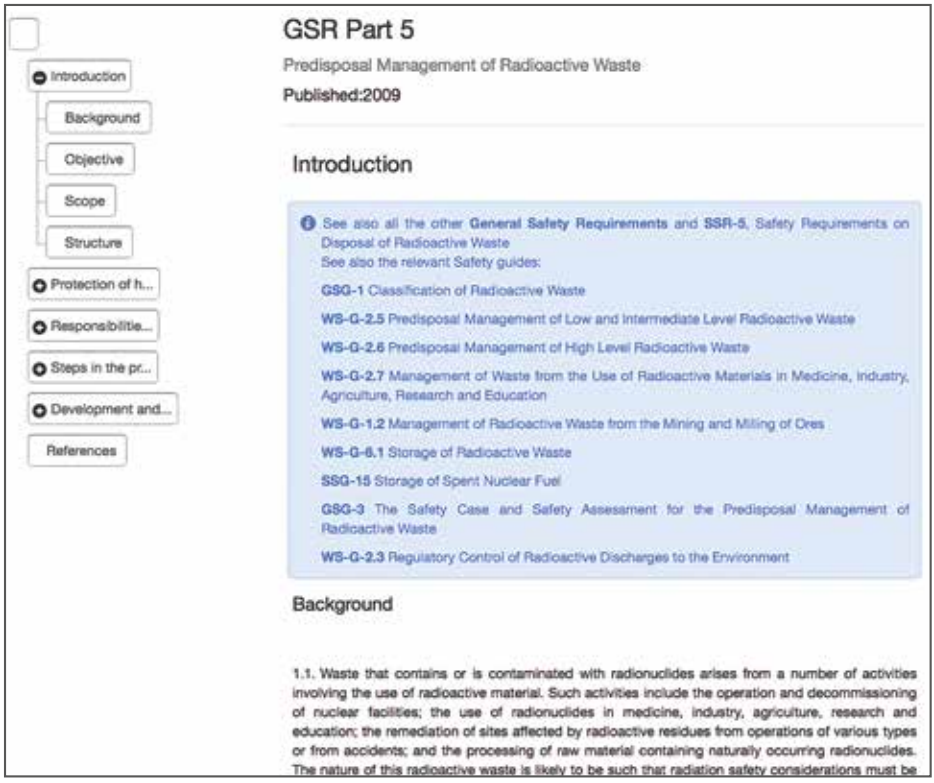
- Also in horizontal relationship, a requirement or recommendation can only refer to existing other requirements or recommendations.

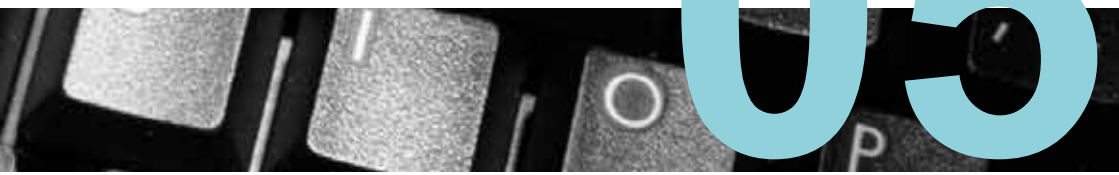
- The explicit relationship information notes, displayed in blue boxes on the NSS-OUI Platform, provide the reader with a mechanism to read the publications in a 'top-down' manner, thus finding for each Safety Requirements or Nuclear Security Recommendations the relevant guidance that support its implementation.

04

- Also, the blue boxes provide information on updates of the lists of references.

- The publications mentioned in these boxes can be accessed by noting the publication number and the relevant paragraphs and using the browse by publication mode.





05

The NSS-OUI Platform offers three options to access the publications content:

- **Browse publications** lists the IAEA safety standards and Nuclear Security Series publications in hierarchical order and offers the possibility to open electronic versions of publications and navigate to other related publications.

- **Browse overarching requirements** lists the titles and statements of the overarching requirements of the IAEA safety standards. It provides a link to navigate directly to the requirement in the electronic version of the publication.
  Browse overall recommendations offers a similar feature for the Nuclear Security Series and the Safety Requirement SSR-6 that do not include overarching requirements.

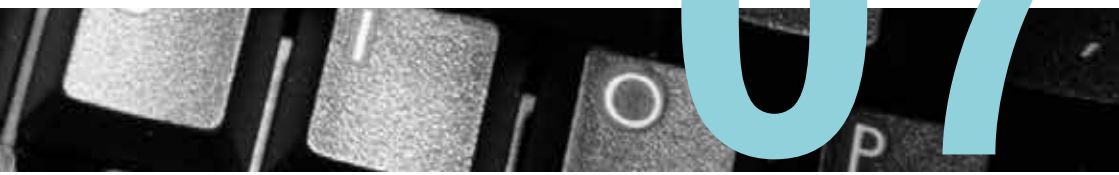
- **Search** helps the users find relevant publications or parts of publications by using a set of criteria. There are three search possibilities:

  - Full text search;
  - Advanced search;
  - Relationship search.

06

How to browse publications

- **Browse publications** offers a list of publications;
- A button ( ) switches the view to show either safety standards or Nuclear Security Series publications first.
- Clicking on the title or the arrow ( ) displays a short description of the purpose of the publication.
- Clicking on the icon ( ) at the end of the descriptive part opens an electronic version of the publication.
- The search function of this mode can find the number or the title of any publication.

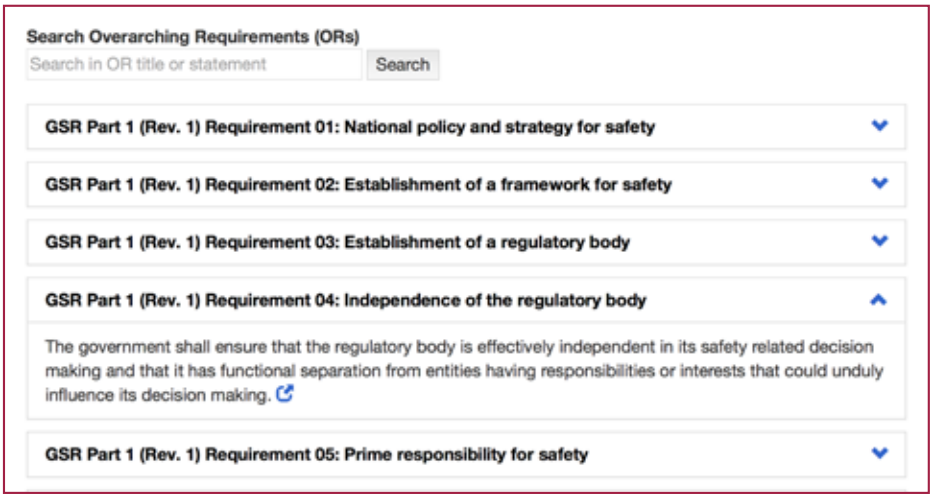


07

How to browse overarching requirements or overall recommendations

- The easiest way to navigate within the publications is to use the set of overarching requirements or the set of overall recommendations. Clicking on the titles of the overarching requirements or overarching recommendations will display the statement of the overarching requirement (a 'shall' statement in bold or a descriptive statement for the corresponding part of the Nuclear Security Series Recommendations or the safety requirements publication no. SSR-6). The icon ( ) at the end of the statement leads directly to the corresponding paragraphs in the publication.

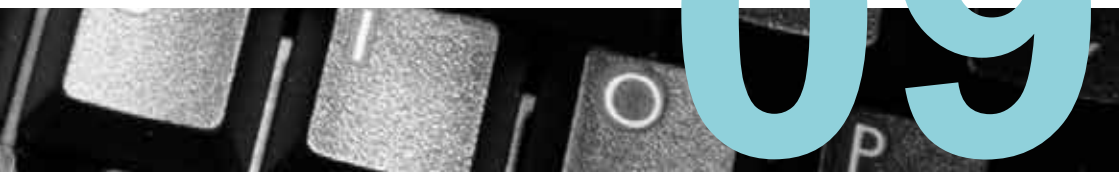
- This mode offers a search function to find a statement within a Safety Requirements or a Nuclear Security Recommendations publication. It searches both the titles and the statements.



08

How to use the full text search

In the full text search, the text entered in the search box refers to all IAEA safety standards and Nuclear Security Series publications. The result is a list of publications or parts of publications in which the sequence of words within the text appear. The details of these results additionally contain an excerpt of the statement from the respective publication as well as an icon that links directly to the statement in the electronic version of the publication. The search includes figures, tables and text content. Using quotation marks for the search provides results for the exact text entered in the search box.



09

How to use the advanced search and the relationship search

- The **advanced search** refers to the series of publications by using a set of search criteria:
  - Content type(s);
  - Publication type(s);
  - Topical area(s);
  - Target audience;
  - Lifetime stages;
  - Facilities and activities.

- It is possible to select either one criterion or a combination of several criteria and sub-criteria, where available, indicated by this icon 🏷. Selecting two or more criteria of one set searches for all results that include any of the chosen criteria (logic: or). Selecting criteria from different sets of criteria shows results that comply with all the selected criteria (logic: and). Both approaches can be combined. The search result's page shows the respective publications or parts of publications for the selected criteria.

- The **relationship search** visualizes relationships between publications. It can search all implicit relationships by topical areas.

10

How to access the official IAEA publications and their translations

At the bottom of any electronic version the link is displayed as

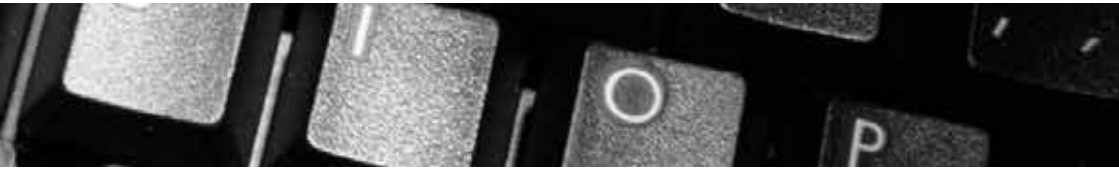
Publication page

It provides access to the IAEA publications' web page. Also, translations of the publications can be accessed, if available.

How to use the About page

The **About page** of the NSS-Oui platform includes:

- **Videos** on how to use the main modes of operation:
  - Getting started on the NSS-Oui platform;
  - Learn how to use: Browse by Publications;
  - Learn how to use: Browse by Overarching Requirements.
- **Links** to the published versions of the:
  - IAEA Safety Standards;
  - IAEA Nuclear Security Series publications.



IAEA
International Atomic Energy Agency
Atoms for Peace

MORE INFORMATION & POINT OF CONTACT

To access the NUCLEUS / NSS-OUI Platform, please visit: https://nucleus-apps.iaea.org/nss-oui/

Or write to: NSS-OUI.Contact-Point@iaea.org

Publications not available on this Nucleus / NSS-OUI App can be found on the IAEA Publications web page:
http://www-pub.iaea.org/books/IAEABooks/Serial_Publications

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