42nd Meeting of the Nuclear Safety Standards Committee
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Agenda Item 1.9
The Nuclear Safety and Security Online User Interface
NSS-OUI

Dominique Delattre
Head, Safety Standards and Security Guidance Development Section
IAEA/NSOC/SSDS
BASIC STRATEGIES

Component Content Management System:

• To ensure that the review and revision of published standards is based on a systematic feedback collection and analysis process

• To ensure that any revision of the safety standards or part of the safety standards is justified by the above mentioned feedback process, therefore also ensuring stability of the parts of the standards that remain valid

• To maintain the technical consistency among the standards through a management of the standards as a complete collection rather than by individual management of individual standards

• To enhance semantic consistency through systematic use of harmonized terminology

• To ensure the completeness of the collection through a systematic top-down development approach complemented by topical gap analyses

• To support harmonized use and application of the safety standards by enhancing their user-friendliness and by providing tools for the users to easily navigate within the whole collection.

NEW PLATFORM (October 2015): NSS-OUI:

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

• Access and browse the content of the Safety and security related Series of publications

• Browse publications

• Browse Overarching Requirements and then navigate top-down or across the Series using references and additional explicit relationship notes

• Browse Overall Recommendations for Nuclear Security and then navigate top-down or across the Series using references and additional explicit relationship notes

• Possibility to link to relevant TECDOCs, Safety Reports and EPR Series, or even to import their introduction with tagging to make them also searchable

• Possibility to link to relevant e-learning tools
BASIC ELEMENTS

• Available on Desktop, Laptops, Tablets and Smartphones with responsive design

• Supported by all popular browsers

• Advanced search capability with four ontologies (topical areas, type of facilities and activities, target audience, lifetime)

• Relationship search capability (search all implicit relationship)

• Central feedback mechanism to collect and retrieve feedback (both by publication and by topical areas)

• Mechanism to easily update the explicit relationships

• Mechanism to import new or revised standards while keeping access to previous versions

• Access to translated versions where available
STATUS

• All Safety Standards available and tagged
  – 107 publications available full text (23 NSS and 84 Standards)
  – All available GSRs and SSRs (except SSR-6) imported and searchable full text
  – All available GSGs and SSGs imported and searchable full text (except the two transport safety SSGs)
  – A number of previous standards already available full text and if not, through the introduction with a link to the pdf publication (still 18 GS-G, NS-G, RS-G, TS-G as of 21 November)
  – For previous standards at the end of their revision process (beyond MS consultation) we wait the new revision
  – Thus metadata search fully operational and full text search at the end of the year

• All Nuclear Security Series publications available full text except
  – NSS No. 1 available on request
  – NSS No 9 and 11 being at the end of their revision process
  – Ontology being established (finalized last week) now under test with a couple of publications
  – Thus full text search

• Advanced Topical search, with also a “search the search criteria” tool). Further refinement soon (expand all branches to search directly into the ontology)

• Central feedback mechanism fully operational to publications available full text

• Mechanism to start revision processes in place
NEXT STEP

• New Relationship Search tool with possibility to select/de-select topical areas

• Import of the Glossaries and then semi-automatic tagging to establish links from terms used in the text of the publications and their definitions (in kindle type pop-up windowns)

• Full SharePoint process flow to manage the review and approval process steps for the revisions up to the final approval and publication

• Insert relationships to relevant Safety Report, TECDOCS and other relevant publications

• Insert in a systematic manner link to e-learning tools for the requirements/recommendations and where appropriate for guides

• Some formatting issues to be addressed with the Publications Section
Thank you!