IAEA
International Atomic Energy Agency
Atoms for Peace and Development

Commission on Safety Standards
55th Meeting
28 to 30 May 2024

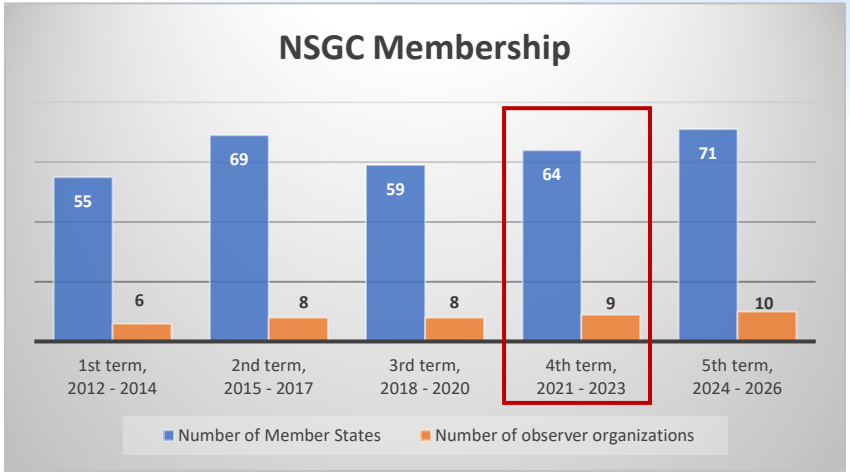
Agenda Item 3.6

Overview of the Fourth Term of the Nuclear Security Guidance Committee (2021 – 2023)

Pedro Lardiez Holgado, NSGC Chair
Katerina Kouts, Scientific Secretary

4th term (2021-2023) overview

- Membership:
  - 64 Member States
  - 9 observer organizations
- 8 Meetings:
  - 6 regular meetings
  - 2 extraordinary meetings
  - Joint meetings with:
    - *EPReSC (November 2021)*
    - *NUSSC (June 2022)*
    - *NUSSC and EPReSC (June 2023)*
  - Implemented in a virtual or hybrid format



Summary of approvals/clearances

	NSGC-19	NSGC-20	NSGC-21	NSGC-22	NSGC-23	NSGC-24	TOTAL
Nuclear Security Series							
Step 3	NST005[T] NST066[T]		NST067[G] NST068[T] NST069[G] NST070[G] NST071[T]	NST052[T]			**8** **3[G]+5[T]**
Step 7		NST029[T] NST061[T]	NST053[T] NST063[T]		NST062[T]	NST065[T]	**6** **0[G]+6[T]**
Step 11	NST060[T]				NST053[T] NST061[T] NST063[T]	NST029[T]	**5** **0[G]+5[T]**
Published	NSS No. 10-G (Rev.1) NSS No. 38-T NSS No. 40-T	NSS No. 42-G NSS No. 12-T (Rev.1) NSS No. 17-T (Rev.1)	NSS No. 43-T			NSS No. 44-T	**8** **2[G]+6[T]**
Safety Standards Series (interface publications)							
Step 3	DS530	DS532 DS534	DS533(g) DS535 DS536(h) DS537 DS538 DS539 DS540	DS543 DS545	DS548 DS547 DS549	DS553 DS554	**17**
Step 7	DS504 DS512	DS524		DS518		DS543	**5**
Step 11	DS503 DS515(e)	DS509 DS511 DS517	DS470 DS508 DS523	DS512	DS524		**10**

[T] -Technical Guidance; [G] – Implementing Guide



Status of Nuclear Security Series by the end of 4th term

- **Fundamentals**
- **Recommendations**
- **Implementing Guide**
  - 22 published
  - 4 in progress (including 3 revisions and 1 Safety Guide / Implementing Guide in development)
- **Technical Guidance**
  - 17 published
  - 13 in progress
    - *5 approved by NSGC for publication*

An overview of NSS translations into UN languages for 2021–2023

	Arabic	Chinese	French	Russian	Spanish
Implementing Guide	13	14	11	13	13
Technical Guidance	1	—	3	2	1

Review of NSS Fundamentals and Recommendations

- After NSGC-18, the Secretariat prepared a draft DPP for the revision of NSS Recommendations
- Meetings and activities organized in the 4th term to support the review of NSS Fundamentals (NSS No. 20) and Recommendations (NSS Nos 13, 14 and 15):

Dates	Details
8–11 February 2021	Virtual NSGC Sub-Group Meeting on the DPP for a batch revision of NSS Nos 13, 14 and 15
25–27 January 2022	First OEM of Legal and Technical Experts on a Potential Revision of NSS Fundamentals
June 2022	Survey of Member States on the potential revision of the NSS Fundamentals
19–21 December 2022	Second OEM of Legal and Technical Experts on a Potential Revision of NSS Fundamentals

Meeting conclusions:

- *Recommendation to the NS-DDG that NSS No 20 should be revised in the near term*
- *Satisfaction with the scope and structure of NSS No 20. Consequently, the revision should be focused on clarity and consistency of the text and the definitions*
- *Consensus that the following topics should be considered in a revision:*

  computer security, information security, insider threat and safety-security interfaces.

Review of NSS Fundamentals and Recommendations (cont.)

- Batch approach to revision
  - The Secretariat will develop and provide four DPPs by the first meeting of the 5th term
  - Concurrent revision
- NSS Terminology review
  - to review and discuss the revision of terminology used in the NSS
  - kick off meeting held in October 2023

Comprehensive review and NSS Roadmap

- Proposed by the 3rd term of NSGC
- Comprehensive review of the entire NSS, focusing on the lower tier documents
  - *with an emphasis on streamlining the NSS to improve consistency, address gaps, remove redundancies and ensure that the correct information is provided at the appropriate level*
- Discussion paper 'Recommendations from the Comprehensive Review of the Nuclear Security Series'
  - *based on review conducted by the Secretariat*
  - *incorporates NSGC's views*
- Comprehensive review provided the basis for a new NSS Roadmap
  - new Roadmap is recommended for use as a working document during the 5th term of the committee

Other outcomes and issues discussed during the term

- Functioning of the NSGC:
  - *Discussion on NSGC Operating Guidelines (for internal use) that provide a short overview of the committee's operations*
  - *Following the progress of the revision of SPESS B and SPESS F and providing comments*
- Discussion on:
  - Safety-security interface
  - Small modular reactors
  - Nuclear safety and security in Ukraine
  - Nuclear Safety and Security Glossary
- As a follow-up on the NSGC request to act on the outcomes of the 2020 survey on Member States' use of the NSS, including improving awareness and access to the series:
  - Two webinars in November 2022 and in April 2023, entitled the *IAEA's Nuclear Security Series: Past, Present and Future*.
  - Nuclear Security Series poster released in August 2022

Suggestions for the 5th term of NSGC

- Initiate a ***batch limited revision*** for NSS Fundamentals (NSS No. 20) and NSS Recommendations (NSS Nos 13, 14 and 15)
- Continue ***following the progress*** of reviewing the terminology used in the IAEA Nuclear Security Series and ***provide necessary assistance and advice***
- ***Finalize*** ongoing developments. Use ***new Roadmap*** as a working document for planning further development and revision of NSS publications, following the top-down approach.
  - NSGC noted importance of continuing to translate NSS publications into the official languages of the United Nations (UN) and improving their quality
- Continue pursuing avenues to expedite the development and publication process
- Continue ***cooperating*** with other Safety Standards Review Committees
  - Meeting with TRANSSC and RASSC in June 2024

Suggestions for the 5th term of NSGC (cont.)

- Continue addressing ***safety-security interfaces***, with a focus on publications (e.g., NST067/DS533, Management of the Interfaces between Nuclear and Radiation Safety and Nuclear Security)
- Focus on addressing ***new technologies*** (e.g., SMRs or AI), along with their applications
- Receive **briefings from the Secretariat** on major nuclear security related events, activities, projects, services and tools
- Reinstate the practice of ***sharing national experience*** in maintaining and strengthening national nuclear security regime and implementing IAEA nuclear security guidance

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Thank you!