

**TECHNICAL MEETING: ANNUAL MEETING OF THE INTERNATIONAL  
NETWORK FOR NUCLEAR SECURITY TRAINING AND SUPPORT CENTRES  
(NSSC Network)**

**Pattaya, Thailand  
20 – 24 February 2023**

**Chair's Report**



**The Chair's Report on the 2023 Annual Meeting of the International Network for Nuclear  
Security Training and Support Centres (NSSC Network)  
Pattaya, Thailand  
20 – 24 February 2023**

A technical meeting under the IAEA *Nuclear Security Plan 2022-2025* for the Annual Meeting of the International Network for Nuclear Security Training and Support Centres (NSSC Network) was held in Pattaya, Thailand from 20 to 24 February 2023. There were 73 participants from 42 States and 2 observer organizations to the NSSC Network, as well as 4 IAEA staff.

The aim of the event was to bring together IAEA Member States that have established or are planning to establish an NSSC, in order to facilitate information and resources sharing on key technical themes relevant to developing and operating an NSSC as well as to work individually and collaboratively among the NSSC Network Working Groups to plan activities and discuss priorities for the upcoming year. The event attendees participated in a tour of Thai Customs operations at the Port of Laem Chabang, to understand the NSSCs' stakeholder support activities of the two Thailand NSSCs, Office of Atoms for Peace and Chulalongkorn University. The event attendees also participated in discussions and group-based activities on several key areas, including:

- Developing new Action Plans for the three Working Groups;
- Promoting and facilitating greater regional cooperation among NSSCs;
- Determining next steps for future iterations of the Annual Meeting of the NSSC Network;
- Updating the NSSC Network's Information Management Tools; and
- Discussing plans for the 2024 Annual Meeting.

## **BACKGROUND**

The objective of the *IAEA Nuclear Security Plan 2022-2025* is to contribute to global efforts to achieve effective nuclear security, by establishing comprehensive nuclear security guidance and, upon request, promoting its use through peer reviews and advisory services and capacity building, including education and training; to promote adherence to relevant international legal instruments and commitment to the Code of Conduct on the Safety and Security of Radioactive Sources and its supplementary guidance to enhance nuclear security globally; and to play the central role of facilitating and enhancing international cooperation and increasing visibility and awareness through communication on nuclear security, in response to resolutions and decisions of the General Conference and Board of Governors, and considering Ministerial Declarations.<sup>1</sup>

An effective national nuclear security regime requires the provision of capabilities to prevent, detect and respond to criminal or intentional unauthorized acts involving or directed at nuclear material, other radioactive material, associated facilities, or associated activities. For these capabilities to remain effective over the long-term, they should be developed systematically with sustained coordination among and commitment by relevant stakeholders and competent authorities in the state.<sup>2</sup> Each organization should allocate sufficient human, financial and

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<sup>1</sup> GOV/2021/GC(65)/24

<sup>2</sup> See *IAEA Nuclear Security Series No. 20: Objective and Essential Elements of a State's Nuclear Security Regime*

technical resources to carry out its nuclear security responsibilities and to routinely conduct maintenance, training, and evaluation to ensure the effectiveness of nuclear security systems.

Requests for IAEA support in developing, implementing, and sustaining an effective national nuclear security regime have steadily increased and, based on these requests and drawing from the experience of States, the IAEA developed a concept for the establishment and operation of a national Nuclear Security Support Centre (NSSC) as a means to strengthen the sustainability of nuclear security in a State. The role of an NSSC is to support competent authorities, authorized persons, and other organizations with nuclear security responsibilities in sustaining the national nuclear security regime, at both the national and operational levels, through programmes in human resource development, technical support, and scientific support. In realizing these objectives, an NSSC also fosters nuclear security culture and enhances national coordination and collaboration among the various competent authorities involved in nuclear security.

The NSSC Network was established by consensus in February 2012 at a meeting of IAEA Member States in Vienna, Austria, to facilitate sharing of information and resources and to promote coordination and collaboration among states with an NSSC or those having an interest in developing a centre. The NSSC Network also includes States that have no plans to develop an NSSC but wish to benefit from other states' experience in the core functions of a centre. Based on the needs of States and drawing from the experience of existing NSSCs, IAEA-TDL-010 Establishing and Operating a National Nuclear Security Support Centre, was published in 2020.

The aim of this meeting is to review the status of implementation of NSSC Network activities and move forward with efforts to make the NSSC Network a stronger resource for States.

## **OPENING**

Opening remarks were delivered by Ms Pennapa Kanchana of the Office of Atoms for Peace (OAP). Ms Kanchana welcomed participants to Thailand and to the 2023 NSSC Network Annual Meeting. Ms Kanchana provided an overview and background on the history of OAP, its mandate and its role as an NSSC. Ms Elena Buglova, Director, Division of Nuclear Security, Department of Nuclear Safety and Security, IAEA, then delivered her opening remarks by recorded video. Ms Buglova also welcomed the participants to the meeting and congratulated the NSSC Network for having designated two women in the role of Chair and Vice Chair for the first time in its history. She then highlighted the IAEA's programmes and activities in nuclear security and some of the NSSC Network's key accomplishments, and reiterated the important role of the NSSC Network in international cooperation and sharing of good practices in nuclear security wishing. Lastly, she encouraged all participants to actively contribute to make this a productive meeting and that she looks forward to learning about its outcomes in the Working Group action plans developed.

Ms Patricia O'Brien, Chair of the NSSC Network, then greeted the participants and presented the objectives and agenda of the meeting for acceptance, see Attachment 1. The list of meeting participants is included as Attachment 2.

## **DISCUSSIONS AND FINDINGS**

Following the welcome and opening remarks and adoption of the agenda, the two NSSCs of Thailand provided presentations on their programmes. Ms Areerak Rueanngoen, OAP, provided a presentation on nuclear activities, regulatory body infrastructure, legislative and regulatory framework and implementation of Thailand's Integrated Nuclear Security Support Plan (INSSP). Ms Rueanngoen highlighted several nuclear security activities including workshops on nuclear forensics for front line officers, national land border response to nuclear security events, drafting

a nuclear and radiation security response plan, threat assessment and design basis threat and roles and responsibilities within the INSSP. Ms Rueanngoen highlighted that the Thailand Nuclear Energy for Peace Act, B.E. 2559, provided the basis to comply with international security obligations. Ms Rueanngoen summarized that the development and strength of Thailand's nuclear security regime may be credited to the successful implementation of the INSSP, collaboration between the regulatory body and stakeholders and bilateral and cooperation with international bilateral partners. Ms Issariya Chairam, OAP, provided a presentation the functions of OAP as an NSSC including the development of a national nuclear security training strategy and competency framework. Ms Chairam shared the challenges and lessons learned during the implementation of this programme and attaining ISO 29993 certification. Ms Chairam then outlined the technical support and scientific support programmes of OAP and support to the Megaports Initiative at Laem Chabang Port. Mr Sunchai Nilsuwankosit, Chulalongkorn University, provided a presentation on the university's Department of Nuclear Engineering history and current developments. The Department offers several degree programmes nuclear engineering and technology with approximately 100 students currently enrolled. Mr Nilsuwankosit detailed the university's support of the Thailand Custom Bureau's Megaports Initiative by providing training. Mr Nilsuwankosit detailed the chemical, biological, radiation, nuclear and explosive (CBRNe) deterrence curriculum offered to nuclear and defense engineering programme students.

Following these presentations from the Thailand NSSCs, Ms Quillan Rose, Scientific Secretary and Nuclear Security Officer (NSSC), introduced a video on the history of the NSSC Network with yearly accomplishments and relevant photos which highlighted progress that the NSSC Network has made since its inception toward becoming a stronger resource for States. Ms Rose then presented an overview of the NSSC Network Terms of Reference highlighting the vision, mission and objectives of the NSSC Network; the structure and features of the three Working Groups; and the roles, selection and term limits of the NSSC Network Bureau. Ms Rose provided information on the public and NUSEC portal webpages of the NSSC Network and an overview of the current NSSC Network regional and sub-regional groups. Ms Rose concluded her presentation by providing information on the types of resources and support offered to States for the development of NSSC capabilities in Human Resource Development, Technical Support and Scientific Support. Ms O'Brien then introduced a presentation from the first new member of the NSSC Network, Mr Nader Alawadhi, Kuwait Institute for Scientific Research. Mr Nader's presentation focused on Kuwait's strategic goal of harnessing nuclear science and technology to maximise its benefit for the sustainable national socio-economic development in the health, industrial, research, and radioactive waste management. Mr Nader provided background on Kuwait's national nuclear security regime legal and regulatory framework, nuclear security infrastructure and regional and international cooperation. Then Ms Beth Kaboro, Vice Chair of the NSSC Network, introduced a presentation from the second new member of the NSSC Network, Mr Andrei Apostol, Horia Hulubei National Institute for Research and Development in Physics and Nuclear Engineering, Romania. Mr Apostol provided a presentation on his institution's role in international projects, radiopharmaceuticals, technological irradiation and radioactive waste management. Mr Apostol also presented on the institution's contribution to strengthening nuclear security through its detection and prevention capabilities, as well as its experience and expertise in radiological crime scene management and nuclear forensics. Ms O'Brien then introduced the third and final new member, Zambia, who was unable to attend the meeting. Ms O'Brien and Ms Kaboro joined the NSSC Network Members in welcoming these new Members.

Ms O'Brien followed by presenting a report on the outcomes of the 2022 NSSC Network Leadership Meeting. She reviewed the objectives of the meeting and noted several key outcomes

including (1) conduct of instructor training on IAEA-TDL-010, Establishing and Operating a National Nuclear Security Support Centre, workshop material; (2) discussion and implementation prioritization of updates to the NSSC Network information management tools; (3) decision to conduct individual Working Group meetings based on the volume of work; and (4) interest expressed to coordinate and collaborate further with the IAEA Front Line Officer Network (FLO Network).

The last session of the first day focused on reports from the chairs of Working Groups A, B and C, who briefed the status update of the implementation of the 2022 – 2023 Action Plans (see Attachment 3).

On the second day, attendees arrived early to participate in the Port of Laem Chabang site visit. All participants arrived at Customs House for a joint presentation on the mission and activities of the organization. Then participants split into two groups to visit the Container Inspection Terminal and the Secondary Inspection area including the spectroscopic portal monitor and central alarm station.

In the afternoon of the second day, Ms Rose was joined by Mr Aleksejus Livsic, Nuclear Security Officer (NSSC), and Ms Yura Shin, Associate Training Officer, to introduce the NSSC Network information management tools. Ms Rose briefed on the NSSC Network Database including that it is based on a questionnaire that documents the current or planned capabilities of NSSC Network Members in the NSSC development phases and core functions. Ms Rose addressed the goal of the requirement to rate experience and expertise in each of these phases and core functions as well as how this informs the cooperation tab as a resource for Working Group A to make decisions on how to meet NSSC Network Members' support requirements. Mr Livsic briefed on the purpose and functionality of the NSSC Network Library of Lessons Learned (LiLLaCS) including how to add a good practice, how to use the search function and view the dashboard. Ms Shin briefed on both the NSSC Network Calendar and the NSSC Network Newsletter. For the NSSC Network Calendar, Ms Shin provided functionality information highlighting the ability to indicate which NSSC Network activities may be highlighted in NSSC Network Newsletter. Finally, Ms Shin briefed on the NSSC Network Newsletter including the frequency of publication, the number of subscribers and the process for identifying and developing the In Focus article. In the next session, Ms Shin introduced the Information Management Tools (IMT) Clinic to be conducted during breaks throughout the remainder of the event. Ms Shin advised that participants may join the IMT Clinic to request support in navigating and updating content within the tools including the NSSC Network Database, Calendar and LiLLaCS. The first session of these clinics was conducted immediately following the introductory presentation. Additional IMT Clinics were conducted during the morning and afternoon breaks from Wednesday through Friday of the meeting to provide participants an opportunity to ask questions related to or to update their information management tools' content.

On the third day, Mr Livsic began with a presentation on opportunities for NSSC capability development in collaboration with the IAEA NSNS Detection Science and Technology Team. Mr Livsic briefed on the Mobile Integrated Nuclear Security Network (M-INSEN), the Tool for Radiation Alarm and Commodity Evaluation (TRACE) application, the Personnel Alarm Assessment Tool (PAAT) and the Radiation Portal Monitor (RPM) Kit. He briefed on several technical meetings including on uncrewed aerial vehicles use and counter-measures, on radiation detection equipment for nuclear security, on performance testing and specification of spectroscopic and energy discrimination algorithms used for nuclear security and on integration of nuclear security detection technologies with information systems. Mr Livsic briefed on projects including on active interrogation, on facilitation of safe and secure trade using nuclear security

detection technologies (CRP J02015) and on nuclear security implications of counterfeit, fraudulent and suspect items (CRP J02019).

Ms Shin then presented the analysis of the 2022 NSSC Network Annual Meeting survey in two parts, highlighting how requests communicated in the survey have been addressed. In the first part, Ms Shin addressed survey questions on the NSSC Network information management tools. Ms Shin reviewed the task that have been completed as a result of the feedback received including the creation of new tutorial videos and a renewed ‘help’ menu. She then provided an overview of future initiatives to improve the information management tool interfaces and content and to produce guidelines and a content library. In the second part, Ms Shin addressed survey questions related to the organization of the 2022 NSSC Network Annual Meeting. As a result of this feedback, the Secretariat and NSSC Network Bureau members used this information to plan the 2023 NSSC Network Annual Meeting including (1) retaining and extending time allotted to group work and interactive sessions, (2) conducting alternative activity for those not part of any regional group, and (3) extending regional and sub-regional group breakout sessions, (4) incorporating dedicated open session to the IMT Clinic and (5) including a presentation on the NSSC Network history and Terms of Reference. Ms In Young Suh, U.S. Department of Energy (ORNL), provided an overview and analysis of the results of the ‘2023 and Beyond: Over the Horizon’ world café session conducted during the 2022 NSSC Network Annual Meeting. As a result of last year’s world café session, the Secretariat and NSSC Network Bureau members agreed to address priority topics by (1) adapting the NSNS project support and management training to apply to IAEA-TDL-010 to address NSSC project planning and implementation, (2) expanding the IAEA-TDL-010 workshop material on strategy implementation plan development, (3) expanding opportunities for training and information sharing on applying a systematic approach to training, (4) providing information on the forthcoming NSNS training course on development of equipment lifecycle management programme planning, (5) developing training on approaches to address the core functions of an NSSC and (6) developing a workshop on sustainability of the nuclear security regime. Ms Suh then introduced the 2023 NSSC Network Annual Meeting world café session which focused on the topic of what participants would like to see at future NSSC Network annual meetings.

After the world café session, Ms Rose provided an overview of the updated IAEA-TDL-010 workshop material as an introduction to the panel discussion on instructor training for this workshop conducted from 9 – 13 January 2023. Mr Livsic facilitated this panel discussion where panellists shared their experiences developing the training material for these workshops and attending the instructor training course. Panellist included Ms Naoko Inoue, Japan Atomic Energy Agency and Working Group A Chair (Japan); Ms Beth Kaboro, Radiation Protection Board and NSSC Network Vice Chair (Kenya) and Mr Inamul Haq, Pakistan Institute of Engineering and Applied Sciences (Pakistan). Panellists provided insights into their experience developing the workshop material and participating in instructor training, highlighting the challenges of translating training material design into development and lessons learned during implementation.

The morning and early afternoon of the fourth day was dedicated to the development of the 2023 – 2024 Working Group Action Plans. Ms Rose introduced the objectives and primary activities of each Working Group to allow participants to select a Working Group within which to participate. NSSC Network Bureau Members met during the lunch break to deconflict draft activities to remove any duplication of effort. Working groups then finalized their action plans in the early afternoon. The next session was devoted to regional and sub-regional breakout group sessions for the following established groups: the Africa regional group (NSSC-ARG); the Arab States in Asia (ARASIA) group; the Asia Regional Network (ARN); the Hungary, Lithuania, Ukraine Consortium (HLU C); the Latin America (LAN-NSSC); and Southeast Asian Nations regional group (SAN). While these sessions were conducted, the remaining participants convened

in the plenary for a group discussion on several topics including new participants' expectations for this meeting, what all participants will take away from this meeting and how they plan to share this information with their colleagues.

The late afternoon of the fourth day was dedicated to presentations from Observer organizations. Mr Shane Peper provided a presentation on INTERPOL's Radiological and Nuclear Terrorism Prevention Unit (RNTPU) work creating a competency framework for front line officers, officers in specialized units, crime scene managers, crime scene investigators and instructors. Mr Peper briefed on the research conduct during this project and reviewed an example competency framework for train-the-trainer. Mr Alexander Hamilton provided a presentation on the United Nations Interregional Crime and Justice Research Institute (UNICRI) CBRN risk mitigation and security governance programme. Mr Hamilton provided an overview of the European Union CBRN Centres of Excellence (EU CBRN CoE) initiative to strengthen national and regional capacity; the prosecutor's guide on Chemical and Biological Crimes and the forthcoming prosecutor's guide to Radiological and Nuclear Crimes; and the CONTACT programme focused on enhancing capacities to prevent the trafficking of RN material.

On the final day of the meeting, Working Groups presented their 2023 – 2024 Action Plans (see Attachment 3). Next, Ms Rose presented the new leadership of the NSSC Network to the plenum (see Attachment 4). The Working Group B Chair has reached her term limit. The Working Group B Vice Chair has agreed to take on the Work Group B Chair position. Mr Pierre Funk, Institute for Radioprotection and Nuclear Safety (France) was approved as the new Working Group A Chair. The remaining members of the Bureau will continue into a second term in their same capacity. Ms Rose announced that the process had begun to replace the two vacancies in Working Group B and C Vice Chair positions with current volunteers to these positions.

The NSSC Network Chair and Vice Chair as well as other Bureau members then led a wrap-up session on NSSC Network priorities for 2023 – 2024. Ms O'Brien led the discussion, highlighting that during the early years significant project management approaches were required to establish and mature the NSSC Network but now we have the benefit of many operational NSSCs with experience and expertise to share and that it may be time to reconsider how we meet and how we organize the NSSC Network Annual Meeting to focus on information sharing. Ms Kaboro added that although NSSC Network Members are active during the annual meeting, this weakens through the year and we need to focus on engaging our Members throughout the year potentially with the conduct of Working Group meeting outside the framework of the annual meeting. Ms Inoue agreed with the need to make progress between annual meetings and that we should seek to involve members in Working Group and regional and sub-regional group activities. Both Ms Chairam and Mr Funk reiterated the importance of experience sharing using the NSSC Network information management tools, stressing the importance of gather good practices in LiLLaCS. The NSSC Network participants added that there should be a focus on information sharing among NSSCs during future annual meetings, that we should incorporate sessions oriented specifically to newcomers and that we should determine new ways to communicate Working Group Action Plan progress to NSSC Network Members throughout the year. Ms Shin then distributed the annual survey to participants to solicit their feedback on the NSSC Network IMTs and on the organization and conduct of the 2023 NSSC Network Annual Meeting.

Finally, participants agreed that the 2024 NSSC Network Annual Meeting would tentatively be planned for the second quarter of 2024.

## **CLOSING OF THE MEETING**

Ms Quillan Rose, Scientific Secretary and Nuclear Security Officer (NSSC) of the Programme Development and International Cooperation Section of the Division of Nuclear Security, IAEA, thanked the participants for their fruitful discussions and contributions and closed the meeting.

## **ACTIONS AND NEXT STEPS**

- Working Groups A, B and C will accomplish all the tasks captured in their action plans (see Attachment 4).
- On behalf of Working Group C, the Secretariat distributed a follow-up survey to collect feedback on the NSSC Network information management tools as well as the agenda and logistics of the Annual Meeting; results to be distributed by Working Group C during Q3 2023.
- The Secretariat will analyse the data collected in the survey indicated above and during the world café session to support development of the agenda of the 2024 Annual Meeting of the NSSC Network.

The meeting was adjourned at 13:00 on Friday, 24 February 2023.





## 2023 Annual Meeting of the International Network for Nuclear Security Training and Support Centres (NSSC Network)

**Pullman Pattaya Hotel G  
Pattaya, Thailand  
20 – 24 February 2023**

### AGENDA

#### Monday, 20 February

Time	Topic	
<b>09:00</b>	Registration at Pullman Pattaya Hotel G	
09:30 – 10:00	Welcome and Opening Remarks	Ms Pennapa Kanchana, Deputy Secretary General, OAP, Thailand Ms Elena Buglova, Director, Division of Nuclear Security, IAEA
10:00 – 10:15	Presentation of Meeting Objectives, Adoption of the Agenda	Ms Patricia O’ Brien (DOE/NNSA), United States of America, <i>NSSC Network Chair</i>
10:15 – 10:30	Group Photo	
<b>10:30 – 11:00</b>	<b>Break</b>	
11:00 – 11:30	Office of Atoms for Peace: NSSC Functions, Status and Way forward	Ms Areerak Rueanngoen (OAP), Thailand Ms Issariya Chairam (OAP), Thailand
11:30 – 12:00	Chulalongkorn University	Mr Sunchai Nilsuwankosit (CU), Thailand
<b>12:00 – 13:30</b>	<b>Lunch Break – Networking Session #1</b>	
13:30 – 14:15	NSSC Network: History, Terms of Reference and Support to Members	Ms Quillan Rose, Nuclear Security Officer (NSSC), Division of Nuclear Security, IAEA

Attachment 1: Meeting Agenda

14:15 – 15:00	Introduction of New 2023 NSSC Network Member: <i>Mr Nader Alawadhi, Kuwait</i> Introduction of New 2023 NSSC Network Member: <i>Mr Andrei Apostol, Romania</i>	Ms Patricia O’Brien (DOE), USA <i>NSSC Network Chair</i>  Ms Beth Kaboro (RPB), Kenya <i>NSSC Network Vice Chair</i>
<b>15:00 – 15:30</b>	<b>Break</b>	
15:30 – 16:00	Report on Outcomes of the 2022 NSSC Network Leadership Meeting	Ms Patricia O’Brien (DOE/NNSA), United States of America, <i>NSSC Network Chair</i>
16:00 – 17:30	Status Updates on 2022 – 2023 Working Group Action Plans	
	<i>Working Group A</i>	Ms Naoko Inoue (JAEA/ISCN), Japan, <i>Chair</i> Mr Peter Volgyesi (EK), Hungary, <i>Vice Chair</i>
	<i>Working Group B</i>	Ms Issariya Chairam (OAP), Thailand, <i>Chair</i> Mr Pierre Funk (IRSN), France, <i>Vice Chair</i>
	<i>Working Group C</i>	Mr Rachid Mellouki (CNESTEN), Morocco, <i>Chair</i>
<b>17:30</b>	<b>Adjourn</b>	

**Tuesday, 21 February**

Time	Topic
08:00 – 08:20	Arrival and Bus Check In
08:20 – 09:00	Transport from Hotel to Port of Laem Chabang
09:00 – 12:20	Port of Laem Chabang Site Visit
12:20 – 13:00	Transport from Port of Laem Chabang to Hotel
<b>13:00 – 14:30</b>	<b>Lunch Break – Network Session #2</b>
14:30 – 15:15	NSSC Network Information Management Tools
	– <i>NSSC Network Database</i> Ms Quillan Rose, Nuclear Security Officer (NSSC), Division of Nuclear Security, IAEA
	– <i>NSSC Network Library of Lessons Learned and Case Studies (LiLLaCS)</i> Mr Aleksejus Livsic, Nuclear Security Officer (NSSC & CRP), Division of Nuclear Security, IAEA
	– <i>NSSC Network Calendar, NSSC Network Newsletter</i> Ms Yura Shin, Associate Training Officer, Division of Nuclear Security, IAEA

Attachment 1: Meeting Agenda

15:15 – 15:30	NSSC Network Information Management Tools Clinic Introduction	Ms Yura Shin, Associate Training Officer, Division of Nuclear Security, IAEA
<b>15:30 – 16:00</b>	<b>Break</b>	
16:00 – 16:30	Information Management Tools Clinic	
<b>16:30</b>	<b>Adjourn</b>	

### Wednesday, 22 February

Time	Topic	
09:30 – 10:00	Opportunities for NSSC Capability Development	Mr Aleksejus Livsic, Nuclear Security Officer (NSSC & CRP), Division of Nuclear Security, IAEA
10:00 – 10:30	Analysis of the 2022 NSSC Network Annual Meeting Survey, Part 1 Results	Ms Yura Shin, Associate Training Officer, Division of Nuclear Security, IAEA
<b>10:30 – 11:00</b>	<b>Break</b> <i>Please visit the Information Management Tools Clinic</i>	
11:00 – 11:30	Analysis of the 2022 NSSC Network Annual Meeting Survey, Part 2 Results	Ms Yura Shin, Associate Training Officer, Division of Nuclear Security, IAEA
11:30 – 12:00	Results of the '2023 and Beyond: Over the Horizon' World Café Session	Ms In Young Suh (DOE), USA
<b>12:00 – 13:30</b>	<b>Lunch Break – Network Session #3</b>	
13:30 – 15:00	World Café Breakout Session	Ms In Young Suh (DOE), USA
<b>15:00 – 15:30</b>	<b>Break</b> <i>Please visit the Information Management Tools Clinic</i>	
15:30 – 16:00	Workshops on IAEA-TDL-010, Establishing and Operating a National NSSC	Ms Quillan Rose, Nuclear Security Officer (NSSC), Division of Nuclear Security, IAEA
16:00 – 17:30	Panel Discussion: Instructor Training on Workshops on IAEA-TDL-010 <ul style="list-style-type: none"> <li>– Ms Naoko Inoue (JAEA/ISCN), Japan</li> <li>– Ms Beth Kaboro (RPB), Kenya</li> <li>– Mr Inamul Haq (PIAES), Pakistan</li> </ul>	
<b>17:30</b>	<b>Adjourn</b>	

**Thursday, 23 February**

<b>Time</b>	<b>Topic</b>	
09:30 – 09:45	Introduction to NSSC Network Working Groups	Ms Patricia O'Brien (DOE/NNSA), USA <i>NSSC Network Vice Chair</i>
09:45 – 10:30	NSSC Network Working Group Breakout Session #1 – Review and Update 2022 – 2023 Action Plan	
<b>10:30 – 11:00</b>	<b>Break</b> <i>Please visit the Information Management Tools Clinic</i>	
11:00 – 12:00	NSSC Network Working Group Breakout Session #2 – Draft 2023 – 2024 Action Plan	
<b>12:00 – 13:30</b>	<b>Lunch Break – Network Session #4, Bureau Meeting</b>	
13:30 – 14:00	NSSC Network Working Group Breakout Session #3 – Finalize 2023 – 2024 Action Plan	
14:00 – 15:30	Regional and Sub-Regional Group Session: – <i>Africa Regional Group (NSSC ARG)</i> – <i>Arab States in Asia (ARASIA) Group</i> – <i>Asia Regional Network (ARN)</i> – <i>Hungary, Lithuania, Ukraine Consortium (HLUC)</i> – <i>Latin America Network (LAN-NSSC) Regional Group</i> – <i>Southeast Asian Nations (SAN) Regional Group</i>	
<b>15:30 – 16:00</b>	<b>Break</b> <i>Please visit the Information Management Tools Clinic</i>	
16:00 – 17:30	NSSC Network Observer Presentations – Mr Shane Peper (INTERPOL) – Mr Alexander Hamilton (UNICRI)	
<b>17:30</b>	<b>Adjourn</b>	

**Friday, 24 February**

<b>Time</b>	<b>Topic</b>	
09:30 – 10:30	2023 – 2024 Working Group Action Plans	
	<i>Working Group A</i>	Ms Naoko Inoue (JAEA/ISCN), Japan, <i>Chair</i> Mr Peter Volgyesi (EK), Hungary, <i>Vice Chair</i>
	<i>Working Group B</i>	Mr Pierre Funk (IRSN), France, <i>Chair</i> <i>TBD, Vice Chair</i>
	<i>Working Group C</i>	Mr Rachid Mellouki (CNESTEN), Morocco, <i>Chair</i> <i>TBD, Vice Chair</i>
<b>10:30 – 11:00</b>	<b>Break</b> <i>Please visit the Information Management Tools Clinic</i>	
11:00 – 11:30	Discussion on NSSC Network Priorities and Preparations for the 2024 NSSC Network Annual Meeting	<i>NSSC Network Bureau</i>
11:30 – 12:00	Chair's Report	Ms Patricia O'Brien (DOE/NNSA), USA <i>NSSC Network Chair</i>
12:00 – 12:15	Introduction of New NSSC Network Chairs and Vice Chairs	Mr Aleksejus Livsic, Nuclear Security Officer (NSSC & CRP), Division of Nuclear Security, IAEA Ms Yura Shin, Associate Training Officer, Division of Nuclear Security, IAEA
12:15 – 12:45	Participant Feedback	Mr Rachid Mellouki (CNESTEN), Morocco, <i>Working Group C Chair</i> Ms Yura Shin, Associate Training Officer, Division of Nuclear Security, IAEA
12:45 – 13:00	Closing Remarks	Ms Quillan Rose, Nuclear Security Officer (NSSC), Division of Nuclear Security, IAEA
<b>13:00</b>	<b>Adjourn</b>	

## Attachment 2: List of Participants

Available on the NSSC Network user page at [NUSEC.iaea.org](http://NUSEC.iaea.org).

Attachment 3: Working Group Action Plans 2023 – 2024

<b>2023 – 2024 Action Plan: Working Group A</b>				
<b>No.</b>	<b>WG TOR Activity Aims</b>	<b>Activity</b>	<b>Activity Leader(s)</b>	<b>Due Date / Status</b>
1A	Organize joint activities in human resource development, technical support, and scientific support. Support NSSCs in taking a systematic approach to programme development based on a structured assessment of national nuclear security regime needs.	Review the recommendation from WG B’s review of the database to identify needs and priorities for additional workshops.	WG A members	Q3 2023; See Task 4
1B		Hold second and third regional workshop on IAEA-TDL-010.	Chair, IAEA Secretariat	Q2 2023 for the Asia-Pacific region, hosted by Philippines; Q4 2023 for the Latin America Network, hosted by Chile
2A	Build and develop cooperation among NSSCs, including through regional and sub-regional networks.	Hold regional or sub-regional group meetings, virtually as necessary and when feasible, based on recommendations of members.	Regional group members	Based on regional groups’ action plans
2B		Invite all regional groups to present at Annual Meeting, sharing good practices, lessons learned, benefits and challenges.	Regional group members	Ongoing ( <i>permanent task</i> ) To be added to 2024 Annual Meeting Agenda
3A	Facilitate technical exchanges among NSSCs, including sharing of materials and experience.	Facilitate technical exchanges among NSSCs, including sharing of materials and experience. <ul style="list-style-type: none"> <li>Revised draft agenda for ARN TE/HRD Workshop to be discussed at next ARN+1 meeting</li> </ul>	Chair, Vice Chair, IAEA Secretariat, ARN	TBD 2023
3B		Adapt new IAEA-TDL-010 workshop materials (on NSSC core functions) for use during technical exchange visits in an in-person or virtual format	IAEA Secretariat, WG A, WG B	TBD 2023
4	Facilitate the optimization of efforts and sharing of resources among NSSCs. Organize joint activities in human resource development, technical support, and scientific support. Facilitate technical and scientific exchanges among NSSCs, including sharing of materials and experience.	Hold CM to analyse data in the NSSC Network database and calendar, discuss strategy for optimizing efforts and develop a plan for Network activities in 2023/2024, possibly including: <ul style="list-style-type: none"> <li>Further workshops on NSSC development phases</li> <li>Workshop(s) on NS technical areas and themes</li> <li>Interactive sessions for future Annual Meetings</li> <li>Technical exchange visits among NSSC Network members</li> </ul>	Chair, Vice Chair, IAEA Secretariat, WG B, WG C	Q3/Q4 2023 (consult WG B on when data analysis will be ready); virtual before annual meeting
5	Coordinate with other relevant international networks and initiatives.	Conduct virtual CM to discuss implementing activities as described and agreed upon in Memorandum for Cooperation between NSSC Network and INSEN.	Chair, Vice Chair, IAEA Secretariat	Q2 2023
6	Coordinate with other relevant international networks and initiatives.	Exchange information on activities and plans with the following initiatives, including through IAEA information exchange meeting: <ul style="list-style-type: none"> <li>EU CBRN COE Initiative</li> <li>FLO Network (survey being conducted by WG B)</li> <li>Global Initiative to Combat Nuclear Terrorism (GICNT)</li> <li>Global Partnership (GP)</li> <li>Others (e.g. NSGC, ITWG)</li> </ul>	Chair, Vice Chair, Network Chair, Network Vice Chair, IAEA Secretariat	Ongoing ( <i>permanent task</i> )
7	Build and develop cooperation among NSSCs, including through regional and sub-regional networks. Facilitate the optimization of efforts and sharing of resources among NSSCs. Coordinate with other relevant international networks and initiatives.	Develop junior professional development programme for NSSC Network Member organizations including development of selection criteria (profile) and process. Implementation depends upon availability of funds.	Chair, Vice Chair, Network Chair, Network Vice Chair, IAEA Secretariat, WG A Members	Q4 2023 Once funding approved, WG A to contact WG B for development of materials and WG C for development of promotional materials

Attachment 3: Working Group Action Plans 2023 – 2024

<b>2023 – 2024 Action Plan: Working Group B</b>				
<b>No.</b>	<b>WG TOR Activity Aims</b>	<b>Activity</b>	<b>Activity Leader(s)</b>	<b>Due Date / Status</b>
1	Gather NSSC good practices in support of IAEA-TDL-010			
1A	Identify and document best practices related to characteristics basic to or common among most NSSCs.	Review and analyse LiLLaCS synopses submission for development of long-form good practices.	Chair, Vice Chair, IAEA Secretariat, Pakistan, Romania, USA	Ongoing ( <i>permanent task</i> ) Q4 2023 LiLLaCS analysis to be completed by volunteers
1B		Analyse all IMT data and provide analysis to the Working Group A.	Chair, Vice Chair, IAEA Secretariat, Thailand	Ongoing ( <i>permanent task</i> ) Q4 2023 (Secretariat, Thailand)
2	Develop workshop material based on IAEA-TDL-010			
2A	Identify and document best practices related to all good practices areas.	<p><b>Develop material to be used for the Network prioritized activities:</b></p> <ul style="list-style-type: none"> <li>• Develop awareness workshop, webinar, other initiatives materials based upon NSS-15, NSS 2-G, 22-G and make use these materials by NSSC (Netherlands, Romania)</li> <li>• Develop workshops on IAEA-NSS-30-G, Sustaining a nuclear security regime (Kenya, Pakistan, USA)</li> <li>• Develop senior-management engagement in establishing and operating a NSSC (Netherlands, Romania)</li> <li>• Develop phase-specific workshops for IAEA-TDL-010 (Pakistan, USA)</li> <li>• Develop workshop content for NSSC strategy development plan (Pakistan)</li> </ul>	Chair, Vice Chair, IAEA Secretariat, Kenya, Netherlands, Pakistan, Romania, USA	TBD
3	Develop guidelines for identification and collection of good practices and lessons learned			
3A	Identify and document best practices related to all good practices areas.	Develop model guidelines for technical exchanges between NSSCs to share experiences and lessons learned related to an NSSC's core functions (HRD, TS, SS).	Chair, Vice Chair, IAEA Secretariat, WG B Members	Q3/Q4 2023
3B		Develop LiLLaCS submission guidelines, including processes for revision by WG B and support to authors; and LiLLaCS functionality improvements	Chair, Vice Chair, IAEA Secretariat, WG B Members	Q3/Q4 2023
4	Good practices in communication between NSSCs			
4A	Identify and document best practices related to common characteristics of NSSCs.	Based on the results of Task 3, prepare and submit a summary of good practices in communication submitted into LiLLaCS	Chair, Vice Chair, IAEA Secretariat	Q4 2023



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5	Develop processes and documentation to support NSSC Network cooperation			
5A	Identify and document best practices related to stakeholder coordination.	Analyse NSSC Network/INSEN completed collaboration and cooperation questionnaires, submit findings to WG A.	IAEA Secretariat	Completed questionnaires have been received; analysis will be completed in Q2 and provided to WG A
5B		Analyse NSSC Network and FLO Network completed collaboration and cooperation questionnaires from Lithuania and Thailand, submit findings to WG A.	Chair, Vice Chair, IAEA Secretariat	Q2 2023

6	Suggestions for LiLLaCS topics		Volunteer for Submission	Timeline
6A.1	Identify and document best practices related to characteristics basic to or common among most NSSCs.	Promoting Nuclear Security Culture: Review the NS culture self-assessment in NSS 28-T to support NSSC technical exchange visits and to promote sustainability	1. Thailand 2. Japan	Q2 2023 Q3 2023
6A.2		Implementation of a nuclear security culture in a regulatory institution (themes: Sustainability, Nuclear Security Culture)	1. Mauritania	Q1 2023
6A.3		Legal/regulatory framework	1. France 2. Brazil 3. Philippines	Q3 2023
6A.4		Regional and sub-regional cooperation and collaboration case studies	1. Japan 2. Brazil 3. Philippines 4. Mauritania	Q2 2023 Q3 2023 Q3 2023 Q2 2023
6A.5		Integrated Management System implementation (IMS, quality management)	1. Egypt?	
6A.6		Information Management Tools (IMT) implementation	1. Thailand	Q2 2024
6A.7		Creation of TS and SS capacities such as laboratory certification for radiation safety and security	1. France 2. Italy 3. Russia	Q1 2023 Q2 2023 Q4 2022
6A.8		E-learning ( <i>e.g. national-level competencies</i> ) and other skills building tools such as training simulators	1. USA 2. France	Q2 2023 Q1 2023
6A.9		Exercises and drills	1. Italy 2. Romania	Q3 2023
6A.10		Training development and delivery (Mauritania: Training modules for border control, police, mining workers and military)	1. Algeria 2. USA 3. Italy 4. Mauritania 5. Kenya	Q2 2023 Q3 2023 Q4 2022 Q3 2023

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6A.11		Implementation of a national strategy for detection of nuclear and other radioactive material out of regulatory control with the identification and training of all security forces operating in the identified border posts and also the distribution of equipment, and training on the use of equipment and the implementation of the CONOPS.	1. Mauritania	
6A.12		Lessons learned and good practices in response to nuclear security events: NSSC, judiciary and/or law enforcement coordination and collaboration	1. Romania	Q3 2023
6A.13		Good practices in NSSC support in enhancing nuclear security detection	1. Ukraine	Q2 2023
6A.14		Good practices on NSSC coordination mechanisms	1. Malaysia	Q3 2023
6A.15		Good practices and lessons learned in NSSCs participating in IAEA Coordinated Research Projects	1. Egypt	Q3 2023
6A.16		Case study on human resource sustainability mechanisms	1. Romania	Q3 2023

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<b>2023 – 2024 Action Plan: Working Group C</b>				
<b>No.</b>	<b>WG TOR Activity Aims</b>	<b>Activity</b>	<b>Activity Leader(s)</b>	<b>Due Date / Status</b>
1	Maintain and enhance a database of all NSSC Network Members. Facilitate the sharing, promotion, collation and dissemination of information related to nuclear security training and other activities carried out by NSSC Network Members through an NSSC Network events calendar.	Email NSSC Network POCs throughout the year to inform on new activities regarding the NSSC Network Calendar, NSSC Network Database and LiLLaCS as reminders for Members to keep their pages updated.	Chair, Vice Chair, IAEA Secretariat	Ongoing ( <i>permanent task</i> )
1A		Send emails to NSSC Network POCs and relevant Members throughout the year: - Inform Members of new activities regarding the NSSC Network Calendar - Remind Members to add useful information such as training conducted in-person or virtually - Request Members to complete NSSC Network Database, add events to NSSC Network Calendar and submit good practices to LiLLaCS	Chair, Vice Chair, IAEA Secretariat	Ongoing ( <i>permanent task</i> ) Q2 2023, Q4 2023
2	Maintain and enhance a database of all NSSC Network Members. Facilitate the sharing, promotion, collation and dissemination of information related to nuclear security training and other activities carried out by NSSC Network Members through an NSSC Network events calendar. Monitor use of and improvements needed for the NSSC User Group on the NUSEC Portal.	Monitor for Member inputs requesting further guidance in using the NUSEC portal and the NSSC Network’s information management tools.	Chair, Vice Chair, IAEA Secretariat	Ongoing ( <i>permanent task</i> )
2A		Prepare and provide POCs with video tutorials on use of the NUSEC portal (NSSC Network Database, NSSC Network Calendar, LiLLaCS). More videos to be developed based on a survey disseminated to NSSC Network Members.	Chair, Vice Chair, IAEA Secretariat, Japan, USA	Q1 2024
2B		Set up a one-to-one tutorial on the use of the NUSEC portal (NSSC Network Database, NSSC Network Calendar, LiLLaCS).	Chair, Vice Chair, IAEA Secretariat	Q2 2023, Q4 2023
3	Coordinate development of each edition of the NSSC Network Newsletter and other outreach materials, working in close cooperation with the IAEA Secretariat.	Increase awareness and promote NSSC Network among relevant international and national stakeholders in order to raise their engagement.	Chair, Vice Chair, IAEA Secretariat	Ongoing ( <i>permanent task</i> )
3A		Prepare and distribute promotional material in physical and digital format, such as badges, NSSC Network newsletter, posters, etc., during training courses, meetings, etc.	Chair, Vice Chair, IAEA Secretariat	Ongoing
3B		Awareness raising and promotion of the NSSC Network during international conferences including IAEA General Conference.	Chair, Vice Chair, IAEA Secretariat	GC 2023, Cyber Security Conference 2023
4	Maintain and enhance a database of all NSSC Network Members. Facilitate the sharing, promotion, collation and dissemination of information related to nuclear security training and other activities carried out by NSSC Network Members through an NSSC Network events calendar. Monitor use of and improvements needed for the NSSC User Group on the NUSEC Portal. Carry out regular analysis of data contained in the NSSC Network events calendar and database.	Develop data collection tools such as questionnaires, surveys, etc., as necessary and report the results of the analysis.	Chair, Vice Chair, IAEA Secretariat	Ongoing ( <i>permanent task</i> )
4A		Develop survey questionnaire on tutorial videos after tutorial videos launched in 2023.	Chair, Vice Chair, IAEA Secretariat, Romania	Pending Task 2A
4B		Develop an annual survey after/during Annual Meeting	Chair, Vice Chair, IAEA Secretariat, Jordan, USA	Ongoing Q3 2023
4C		Conduct, analyse NSSC Network information management tools’ data to identify improvements.	Chair, Vice Chair, IAEA Secretariat, Romania, Serbia, USA	Ongoing Q4 2023
5	Coordinate development of each edition of the NSSC Network Newsletter and other outreach materials, working in close cooperation with the IAEA Secretariat.	Coordinate the development of each issue of the NSSC Network Newsletter and other outreach materials.	Chair, Vice Chair, IAEA Secretariat	Ongoing ( <i>permanent task</i> )
5A		Incorporate relevant information from the NSSC Network Database, NSSC Network Calendar and LiLLaCS, propose new ideas on NSSC Network Newsletters.	Chair, Vice Chair, IAEA Secretariat	Ongoing

<b><u>NSSC Network Bureau for 2023 – 2024</u></b>					
NSSC Network	Chair	Ms Patricia O'Brien	United States of America	Department of Energy / National Nuclear Security Administration	patricia.o'brien@nnsa.doe.gov
	Vice Chair	Ms Beth Kaboro	Kenya	Kenya Nuclear Security Coordination Centre (KNSCC) Kenya Nuclear Regulatory Authority	kaborobeth@gmail.com
WG A	Chair	Ms Naoko Inoue	Japan	Japan Atomic Energy Agency	inoue.naoko@jaea.go.jp
	Vice Chair	Mr Péter Völgyesi	Hungary	Center for Energy Research (EK)	volgyesi.peter@ek-cer.hu
WG B	Chair	Mr Pierre Funk	France	Institute for Radiological Protection and Nuclear Safety (IRSN)	pierre.funk@irsn.fr
	Vice Chair	TBD			
WG C	Chair	Mr Rachid Mellouki	Morocco	Centre National de l'Energie des Sciences et des Techniques Nucléaires (CNESTEN)	mellouki@cnesten.org.ma
	Vice Chair	TBD			