

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

**Vienna, Austria
22 – 26 August 2016**

Chair's Report



IAEA

60 Years

Atoms for Peace and Development

The Chair's Report on Outcomes of the Technical Meeting: Meeting of the Working Groups of the International Network for Nuclear Security Training and Support Centres (NSSC Network)

Vienna, Austria

22 – 26 August 2016

A technical meeting on the *Nuclear Security Plan 2014-2017 – Implementation of the International Network for Nuclear Security Training and Support Centres (NSSC Network)* was held in Vienna, Austria from 22 to 26 August 2016. There were 56 participants from 39 Member States, two participants from two Observer organizations to the NSSC Network, as well as three IAEA staff.

The objectives of the meeting were:

- To discuss implementation of a vision for IAEA Activities with NSSCs and the Network;
- To brief the members on progress made by the Task Force for Development of NSSC Network Information Management Tools;
- To welcome and introduce new Network Members;
- Hold sessions to discuss NSSC Technical and Scientific Support functions;
- Develop new Action Plans for the three Working Groups;
- Facilitate technical cooperation with the International Nuclear Security Education Network (INSEN) through joint sessions, and;
- Make plans for the 2017 Annual Meeting.

BACKGROUND

In September 2013, the Board of Governors approved a *Nuclear Security Plan* covering the period 2014–2017¹. The objective of the IAEA Nuclear Security Plan (the Plan) is to contribute to global efforts *to achieve effective security* wherever nuclear or other radioactive material is in use, storage and/or transport, and of associated facilities, by supporting States, upon request, in their efforts to meet their national responsibilities and international obligations, to reduce risks and to respond appropriately to threats.

Effective nuclear security requires the provision of capabilities to prevent, detect and respond to a criminal or an unauthorized act with nuclear security implications, involving nuclear or other radioactive material. If the established capabilities are to remain effective, they should be developed systematically and should be self-sustained over the long-term by a State and by the competent authorities². The Plan gives particular attention to supporting States in their efforts to establish national nuclear security support centres that aim at *building-up a cadre of highly qualified and well trained nuclear security personnel* and, at *providing specific technical support* required for effective use and maintenance of instruments and other nuclear security technical systems, as well as *providing scientific support* for the detection of and the response to nuclear security events in a country.

All three components are equally important and ultimately contribute to the improvement of global and national nuclear security through reducing the risk that nuclear or other radioactive material in use, storage and/or transport could be used in criminal or unauthorized acts with nuclear security implications. Ultimately, a national nuclear security support centre assists States to meet and implement their obligations under the international nuclear security relevant legal instruments.

The IAEA Secretariat has developed a concept to establish a national nuclear security support centre that can be applied by any State. This concept has been rolled out successfully in several States that are

¹ GOV/2013/42-GC(57)/19. d

² Competent authority: A governmental organization or institution that has been designated by a State to carry out one or more nuclear security functions. Example: Competent authorities include regulatory bodies, law enforcement, customs and border control, intelligence and security agencies, health agencies, etc. IAEA Nuclear Security Series No 15 Nuclear Security Recommendations on Nuclear and other Radioactive Material out of Regulatory Control, Vienna (2012).

willing to share their lessons learned in establishing such centres with the international community. In addition to the efforts of the IAEA, other initiatives have fostered the establishment of other centres around the world typically in different focus areas related to nuclear security.

In order to coordinate current and future efforts in States or regions to establish and maintain such centres, the IAEA organized a meeting that took place from 31 January 2012 to 02 February 2012 at which it was agreed to establish a collaborative network. The aim of this meeting is to review the status of implementation of the *International Network for Nuclear Security Training and Support Centres (NSSC Network)*.

OPENING

The meeting was opened by Mr Tim Andrews, Section Head, Programme Development and International Cooperation, Division of Nuclear Security, IAEA. Mr Andrews welcomed the participants to the meeting and shared some thoughts with the participants on the IAEA's programmes and activities in nuclear security, surveyed some of the NSSC Network's key accomplishments to date, and highlighted a vision of the road ahead. Mr Andrews noted several major milestones in nuclear security in 2016 in which the Agency will play a pivotal role, including the IAEA's "International Conference on Nuclear Security: Commitments and Actions," to be held in December 2016, and the Points of Contact meeting for the Amendment to the CPPNM in November 2016. Mr Andrews commended the Network on making further progress in becoming a stronger community of practice, particularly through the activities of the Task Force on Development of NSSC Network Information Management Tools and through identifying recommendations for further guidance on establishment and operation of NSSCs. Lastly, Mr Andrews encouraged all participants to actively contribute to meeting and use make optimal use of the joint sessions with the INSEN, as the NSSC Network will be transitioning to a new meeting schedule in 2017.

Mr Yosuke Naoi, Chair of the Network, then greeted the participants, with a particular welcome to new Members, and presented the draft agenda of the meeting (see Attachment 1) for acceptance. He also outlined the points for discussion planned for the meeting on overall trends and priorities of the Network. The list of meeting participants is included as Attachment 2.

DISCUSSIONS AND FINDINGS

Following the opening and welcoming remarks from key meeting participants and guests, Mr James Conner of the IAEA Division of Nuclear Security then offered an historical review of the IAEA's activities related to NSSCs, noted achievements and ongoing efforts for improvement in the NSSC Network, and then laid out activities and next steps underway by the IAEA Secretariat and the Network Members to enhance the Network as a stronger tool for the States and the Agency. The chairs of Working Groups A, B, and C briefed the members on the status of the implementation of the 2015- 16 Action Plans.

During a panel presentation and discussion, the Task Force for Development of NSSC Network Information Management Tools briefed the members on progress made since the first Consultancy Meeting of the Task Force held in Vienna, 8 – 12 February 2016. The Task Force updated on the status of timelines for deliverables on three key tasks: development of a new NSSC database; development of an NSSC common training and events calendar, and; drafting of a new NSSC Network Newsletter. The IAEA then gave NSSC Network members in attendance a live demonstration of the new common calendar, which is now ready for use by the Network.

Presentations were then delivered by new Network members, Lebanon, Tajikistan, Djibouti, and Sudan, outlining their experience and needs in nuclear security human resource development, technical and scientific support. In the next technical plenary session, a panel of Network Members provided a report from the Consultancy Meeting on NSSC Infrastructure and Capabilities for Technical and Scientific Support, held in June 2016. The participants of the panel summarized numerous good practices in NSSC technical and scientific support identified during the CM and made key recommendations for

development of further guidance this area, noting that a draft report with key findings and considerations has been made available on the IAEA's Nuclear Security Information Portal (NUSEC).

On the second day and the morning of the third day of the meeting, participants broke into the following separate concurrent sessions of Professional Development Courses (PDC) offered by INSEN: "Introduction to Nuclear Security," led by King's College London (UK); "Nuclear Security Culture," led by The University of Georgia (USA), and; "Physical Protection," led by PIEAS (Pakistan). Members of the Task Force for Development of NSSC Network Information Management Tools also held concurrent sessions on these days to finalize remaining actions on development of the new NSSC survey database. In the afternoon of the third day, the Task Force provided another brief update on the successful finalization of the database survey and informed the Network that a pilot would soon be ready for a small group of Network members to test and help evaluate, before deploying the final database for all Network members to use by early 2017.

The Network then held a plenary session focused on Scientific Support for nuclear security response, with presentations from the IAEA, Hungary, and Thailand on their respective activities and experiences in this area. The participants held Regional Breakout Discussions to discuss several key questions related to NSSC technical and scientific support services, and then presented the results of these discussions in the opening plenary session on the fourth day of the meeting. Regional groups included Asia and the Pacific, Africa and the Middle East, Latin America, North America, and Europe. Summaries of these reports can be found in the NUSEC Portal 'Working Group Meeting 2016' page.

Following the regional plenary reports, the NSSC Network working groups broke up for separate discussions, where they considered the previous year's action plans and made changes and amendments as necessary, adding new tasks to make progress in long-term priority areas. The 2016 – 17 WG Action Plans are available in Attachment 3 to this report. The NSSC Network members wrapped up the fourth day with a joint plenary session with INSEN, with the objective of discussing feedback to the PDCs held earlier in the week, to receive a report from a separate Consultancy Meeting on Training Practices in the Area of Nuclear Security also held during the same week, and to discuss future collaboration between the NSSC Network and INSEN. The two Networks agreed to form ad hoc groups to advance specific cooperation in four areas: human resource development; PDCs; security culture, and; Coordinated Research Projects.

On the final day of the meeting, each Working Group Chair and Vice Chair presented the new working group action plans for the coming year. The Network Chair then led a wrap-up session to get feedback from participants and to discuss NSSC Network priorities and preparations for the 2017 NSSC Network Annual Meeting.

All presentations and related reference materials from this meeting are available for download on the *Nuclear Security Web Portal/User Group NSSC*.

CONCLUSION

The meeting having successfully completed its objectives, Mr Tim Andrews of the IAEA thanked the participants for their fruitful discussions and contributions and closed the meeting.

The meeting was adjourned at 12:00 on Friday, 26 August 2016.

NSSC NETWORK WORKING GROUP MEETING
22–26 August 2016
Meeting Room M3, IAEA Headquarters, Vienna, Austria



International Network for
Nuclear Security Training
and Support Centres
NSSC Network

Monday, 22 August 2016

- 09:30 – 09:40 **Opening remarks**
Mr Tim Andrews, Section Head, Programme Development and International Cooperation, Division of Nuclear Security, IAEA
- 09:40 – 09:50 **Presentation of meeting objectives, adoption of the agenda**
Mr Yosuke Naoi (JAEA/ISCN), Japan, Network Chair
- 09:50 – 10:10 **Update on IAEA Activities with NSSCs and the Network**
Mr James Conner, Division of Nuclear Security, IAEA
- 10:10 – 10:40 **Status Updates from the Working Group Chairs/Vice Chairs**
- 10:40 – 11:00 Break**
- 11:00 – 12:00 **Update from Task Force for Development of NSSC Network Information Management Tools**
- 12:00 – 13:00 Lunch Break**
- 13:00 – 15:00 **Presentations from New Network Members**
- *Mr Mouktar Mouktar Abdi Moussa (NS), Djibouti*
 - *Ms Muzna Assi (LAEC), Lebanon*
 - *Mr Mohamed Ahmed Hassan Eltayeb (SNRRA), Sudan*
 - *Mr Ilkhom Mirsaidov (NRSA), Tajikistan*
- 15:00 – 15:30 Break**
- 15:30 – 17:00 **Report from CM on NSSC Infrastructure and Capabilities for Technical and Scientific Support**
- *Facilitators: Ms Franca Padoani (ENEA), Italy; Ms Beth Kaboro (RPB), Kenya*
 - *Panelists: Mr Shaogang Gu (SNSTC), China; Mr Edison Amanor (GNRA), Ghana; Ms Jong Sook Kim (KINAC/INSA), Republic of Korea; Mr James Conner, Division of Nuclear Security, IAEA*
- 17:30 – 19:30 Reception**
M02 Foyer (outside of Boardroom A)

Tuesday, 23 August 2016

- 09:00 – 10:30 **Professional Development Courses (PDC) Organized by INSEN**
- *PDC 1: Introduction to Nuclear Security, led by King's College London (UK) Boardroom A*
 - *PDC 2: Nuclear Security Culture, led by The University of Georgia (USA) Room M4*
 - *PDC 3: Physical Protection, led by PIEAS (Pakistan) Room M5*

Attachment 1: Agenda

Task Force Sessions

Room MOE75

10:30 – 11:00	Break
11:00 – 12:30	PDCs and Task Force Sessions (Continued)
12:30 – 13:30	Lunch Break
13:30 – 15:00	PDCs and Task Force Sessions (Continued)
15:00 – 15:30	Break
15:30 – 17:00	PDCs and Task Force Sessions (Continued)

Wednesday, 24 August 2016

09:00 – 10:30	PDCs and Task Force Sessions (Continued)
10:30 – 11:00	Break
11:00 – 12:30	PDCs and Task Force Sessions (Continued)
12:30 – 13:30	Lunch Break
13:30 – 14:00	Plenary Update from Task Force
14:00 – 15:30	Technical Plenary Session: Scientific Support for Response <ul style="list-style-type: none">- <i>Mr David Smith, IAEA</i>- <i>Ms Eva Kovacs-Szeles (MTA-EK), Hungary</i>- <i>Ms Areerak Rueanngoen (OAP), Thailand</i>
15:30 – 15:45	Break
15:45 – 17:15	Regional Breakout Sessions <ul style="list-style-type: none">- Cooperation on Technical and Scientific Support

Thursday, 25 August 2016

09:00 – 10:00	Plenary Reports from Regional Breakout Sessions
10:00 – 10:15	Break
10:15 – 12:00	Working Group Breakout Sessions <p>Discuss 2016 - 17 Work Plans</p> <ul style="list-style-type: none">- Continuation/modification of existing actions- Identification and adoption of new tasks- Assigning of responsible officers and timelines <p><i>Working Group A – Room M3</i> <i>Working Group B – Room MOE75</i> <i>Working Group C – Room MOE19</i></p>
12:00 – 13:00	Lunch Break

Attachment 1: Agenda

- 13:00 – 15:00 **Working Group Breakout Sessions (Wrap-up)**
- 15:00 – 15:30 **Break**
- 15:30 – 17:00 **Joint Plenary Session with INSEN - Board Room A**
- Feedback on PDCs
 - Report from Consultancy Meeting on Training Practices in the Area of Nuclear Security
 - Future Joint Activities between INSEN Members and NSSCs
 - o Establishing joint Ad Hoc Groups

Friday, 26 August 2016

- 9:00 – 10:00 **Plenary Presentation of 2016 – 17 Working Group Plans**
Chairs/Vice Chairs of Working Groups A, B and C
- 10:00 – 10:30 **Discussion on NSSC Network Priorities and Preparations for 2017 NSSC Network Annual Meeting**
Facilitators: NSSC Network Bureau
- 10:30 – 11:00 **Break**
- 11:00 – 11:30 **Chair's Report**
Network Chair
- 11:30 – 12:00 **Final remarks and closing of the meeting**
Mr Tim Andrews, Section Head, Programme Development and International Cooperation, Division of Nuclear Security, IAEA
- 12:00 **Adjourn**

Attachment 2: NSSC Network 2016 – 17 Working Group Action Plans

No.	Task	Task Leader(s)	Due Date / Status
1.	Increasing NSSC Network coordination and collaboration with INSEN	IAEA Secretariat and WG A Chair/Vice Chair	February 2017/ to continue to promote greater collaboration with INSEN
1.1	Define objectives and proposed activities for NSSC/INSEN agreed joint ad hoc groups on HRD, PDCs, security culture, and CRPs	IAEA Secretariat WG A Chair/Vice Chair INSEN leadership Ad hoc group volunteers	February 2017
2.0	Continue participation in and coordination of Task Force Activities	WGA Chair/Vice Chair	Ongoing
2.1	Analyze results of Task Force databased, to promote greater awareness, technical and strategic cross-collaboration among NSSC Network Members	WGA Chair / Vice Chair NSSC Network Chair / Vice Chair	Continue the Survey on a regular basis and to be updated in Feb. 2017
3.0	Discuss with IAEA possible exchange technical visits, meetings and consultancy services among NSSC Experts/Specialists on regional basis	IAEA Secretariat WGA Chair / Vice Chair	February 2017
4.0	Discuss with IAEA how to implement Train the Trainer activities on a Regional basis for NSSC Members	IAEA Secretariat WGA Chair / Vice Chair	February 2017
5.0	Facilitate the efforts by NSSC members to organize themselves into Regional focused discussions/groups	WGA Chair / Vice Chair NSSC Network Chair / Vice Chair	Feb 2017/Continue Regional group discussion
6.0	Analyze results and recommendations of NSSC Network Regional Breakout Sessions at prior meetings, and present at next annual meeting	WGA Vice Chair	February 2017
7.0	Organize NSSC Members into regional groups taking advantage of the particular interest of countries in the region and availability of infrastructure (language where applicable)		Appoint Facilitator /Coordinator for NSSC members in each region
8.	Explore collaboration with other initiatives, such as Global Partnership		
8.1	Establish information sharing mechanism, based on approval of network members	NSSC Network Chair	February 2017
8.2	Consider joint activity with Global partnership, based on results of 8.1	NSSC Network Chair / Vice Chair	February 2017

2016 - 17 Action Plan: Working Group A

Attachment 2: NSSC Network 2016 – 17 Working Group Action Plans

No.	Task	Task Leader(s)	Due Date / Status
1	CONTINUE DEVELOPING LESSON LEARNED CASE STUDIES FOR DISCUSSING AND DOCUMENTING BEST PRACTICES		
	<ul style="list-style-type: none"> a. Conduct second set of case studies on the establishment and implementation of the NSSC <ul style="list-style-type: none"> i. “Distributed NSSC” ii. NSSC and synergy of international cooperation and support, e.g. IAEA and EU CBRN Initiative b. Gather feedback regarding WGB case studies from other Network members 	<ul style="list-style-type: none"> 1. Brazil 2. Algeria 1. Pakistan 2. Philippines 	Status report: Feb '17 Final report: mid '17 Plenary 2018
		Chair/Vice Chair	Ongoing
2	REVISE TECDOC 1734		
	<ul style="list-style-type: none"> a. Organize CM for revising TECDOC 1734 (If authorized by IAEA), also following recommendations of June 2016 CM b. General <ul style="list-style-type: none"> i. Structure ii. Assessment Matrices and Analysis iii. Coordination with Stakeholders and Analysis of Needs and Resources c. New Sections on Technical Support and Scientific Support as part of TECDOC 1734, with annexes, following recommendations of the June 2016 CM <ul style="list-style-type: none"> i. Ensure establishment, Implementation, Training, Tech Support, etc. are covered equally in main document ii. Annexes can provide details and best practices for each section of the TECDOC d. Extract best practices from the collected Case Studies, and use as part of TECDOC 1734 annex per 2.c.2 above 	IAEA/NSSC network	CM1: Q1 2017
		1-2. US (DOE), [ROK, Ghana, Pakistan?] 3. Canada/ WINS Others?	CM1: Q1 2017
		US (DOE), [Pakistan, Malaysia, Ukraine?] Others?	CM1: Q1 2017
		Japan, Indonesia, US	CM1: Q1 2017
3	COLLECT AND ANALYZE CASE STUDIES ON NUCLEAR SECURITY TRAINING SYSTEM		
	<ul style="list-style-type: none"> a. Finalize the template b. Conduct case studies on different nuclear security training systems using the template 	US (DOE)	Feb 2017
		TBD	TBD
4	DOCUMENT AND PRESENT “IMPLEMENTATION GUIDANCE ON ISO 29990”	WINS	Feb 2017
5	FINALIZE PAPER ON BEST PRACTICES ON STAKEHOLDER COORDINATION AND CONSULTATION	Canada, WINS	Feb 2017

2016 - 17 Action Plan: Working Group B

Attachment 2: NSSC Network 2016 – 17 Working Group Action Plans

Action	Responsible Officer	Due Date	Comments
<p>1. Issues to connect to NUSEC portal. Prepare a Proposal to the IAEA.</p> <ul style="list-style-type: none"> - Finalize a user guide in English. 	IAEA WG C	End of November 2016	-The user guide is completed and it is awaiting clearance from IAEA. WG C chair/vice chair will liaise with NSSC Scientific secretary. Hopefully the final version will be ready before the Nuclear Security Conference in December 2016.
<p>2. Promotion of Common Calendar for NSSC</p> <ul style="list-style-type: none"> -Updates from POCs on local activities. -Glossary of terms used in common calendar and database -Frequently asked question/help for common calendar and database 	IAEA WG C	End of January 2017	<p>Pilot version has been presented during the WG meeting. Now the common calendar is functional on the NUSEC portal for all network members.</p> <p><u>WG chair/vice chair</u> need to contact IAEA for inclusion of glossary into the common calendar and database.</p>
<p>3. Awareness and promotion of NSSC user group among relevant stakeholders.</p> <ul style="list-style-type: none"> - Preparation of a promotional material about NUSEC - Video Presentation of the Portal by NSSC Network Chair - NSSC Network promotion during the Nuclear Security conference in December 2016. - NSSC newsletter - NSSC brochure - NSSC flag for events - Distribution of material to network members for their NSSCs, members states, relevant stakeholders, during Training courses, meetings etc 	IAEA WG C	<p>On-going</p> <p>January 2017</p> <p>November 2016</p> <p>When available</p>	<p>-<u>IAEA</u> will provide promotional material.</p> <p>-<u>WG C</u> will draft promotional material with the assistance of the WG C members.</p> <p>-<u>WG C</u> chair/vice chair will contact IAEA for video presentation of NUSEC portal.</p> <p>-The first NSSC Network newsletter is finalized and is with IAEA for clearance. Hopefully it will be ready before the Nuclear Security Conference in December 2016.</p> <p>- <u>WG C chair</u> will prepare promotional material for NSSC Booth during the Nuclear Security conference in December 2016.</p>
<p>4. Encourage registered persons to use NUSEC frequently.</p> <ul style="list-style-type: none"> - Regular email to prompt members to refer to the portal for updates on network activities. - More frequently notify members to update their organization pages 	IAEA WG C vice chair / chair	On-going	<p>-<u>WG C Vice chair/ chair</u> will remind NSSC-IAEA to send regular emails to all NSSC members. The email should make the network members curious about that activity.</p> <p>- <u>WG C</u> will conduct an online survey on the utilization of the NUSEC portal among the network members. The results of the survey to be ready in 2018 in order to improve the functionality of NUSEC portal.</p>
<p>5. To develop new survey database of NSSC Network</p> <ul style="list-style-type: none"> -Task force meeting to review common calendar, Database. 	IAEA WG C vice chair / chair	On-going	<p>-The new survey database is in progress. The pilot version would be ready by December 2016. WG C agreed to populate the database.</p> <p>-<u>IAEA</u> needs to arrange a meeting of the task force in 2017 to implement the result of survey.</p>