

**The Chair's Summary of the 8th Annual Meeting of APSN
30 October to 2 November 2017
Busan, Korea**

1. The 8th Annual Meeting of Asia-Pacific Safeguards Network (APSN) was held on 30 October to 2 November 2017 in Busan, hosted by Government of Korea and organized by Korea Institute of Nuclear Nonproliferation and Control (KINAC). Opening Remarks was delivered by Mr. Jae-Sik Uhm, the Chair of APSN, and Director General of Radiation Protection and Emergency Preparedness Bureau, Nuclear Safety and Security Commission, Republic of Korea.
2. The Plenary meeting of the APSN was held on 31 October 2017. The Plenary was attended by 47 representatives from 16 countries, including representative from the International Atomic Energy Agency (IAEA) and (ESARDA).
3. APSN's five Working Group sessions were held on 30-31 October 2017 in Busan prior to the Plenary meeting. A site visit to Doosan Heavy Industries and KHNP Saeul NPP was conducted on 1-2 November.
4. The Plenary was chaired by Mr. Hosik Yoo, Acting APSN Chair and Vice President of the KINAC.
5. Philippines gave a presentation on ASEANTOM including a summary from ASEANTOM's recent activities in 2017 and action plan of ASEANTOM. The 4th Annual Meeting of ASEANTOM is expected to be held in Philippines in 2017.
6. Cambodia was welcomed as new member state of APSN.
7. APSN members appreciated the national statements provided by countries on their recent safeguards implementation activities. Members shared experiences on inspection activities, Special Remark of the 20th anniversary of Additional Protocol by Australia, Additional Protocol implementation, and cooperation with the IAEA.
8. Facilitators of working groups reported to chair an update on WG's activities to date and future plans for the next 12 months (details in a Summary of Action Items attached).
 - **Safeguards Infrastructure, Implementation and Awareness-Raising (WG1):**
Working Group 1 facilitated information-sharing sessions amongst APSN members on a range of safeguards implementation developments and challenges. This included a general discussion on developments in safeguards over the last year; and, a targeted discussion on emerging technologies and related safeguards challenges.
The discussion on safeguards developments was led by Mr. Peter Rance, Section Head in the Division of Operations A, who gave an overview presentation on the IAEA's perspectives. Mr. Rance updated APSN members on developments such as State-level approaches, the MOSAIC IT platform, collaborative analysis and the work the IAEA is doing to remain responsive to new verification developments. The session included short presentations from Australia, Cambodia, Canada,

Indonesia, Japan, Nepal, Thailand and Vietnam, on their recent safeguards experiences, followed by an interactive Q&A session. A theme in several of the presentations was the positive experiences with respect to State-level approaches that have been updated by the IAEA in the last year. Ms. Carrie Mathews, Safeguards Analyst in the Division of Concepts and Planning of the IAEA, led a discussion on emerging technologies, delivering an overview presentation on highlights from the Emerging Technologies Workshop held in February 2017. This included a presentation by BAPETEN on safeguards-by-design considerations for Indonesia's planned 10MWth experimental power reactor.

The exchange of views and experiences in these discussion sessions was very productive, and the participation by the IAEA's Mr. Rance and Ms. Mathews provided an excellent opportunity for APSN members to gain a better understanding of safeguards developments and expectations and implications for their respective national programs.

Ms. Mathews also briefed APSN on the IAEA's plans for the 2018 Safeguards Symposium followed by a discussion on how APSN can have a key role and platform in this event. APSN's plans for contributing to this important four-yearly safeguards event are outlined in the action items annex to this report.

- **Capacity Building (WG2):**

Japan provided an overview of the progress and outcomes of Action Items. The training needs survey was carried out for SQP States and the analyzed results showed useful information to be shared with members. Australia provided valuable SQP workshop for the region. Further actions were identified for all members: Sharing of training information, Mid-Term capacity building plan, new surveys for members and SQP States. Presentations on capacity building experience were provided by Japan and ESARDA/Finland: Japan provided experience on introduction of Additional Protocol (AP) and Integrated Safeguards (IS), training programs and international cooperation. ESARDA/Finland introduced their activities, training courses and assistant programs. There were useful exchange of views and experience with active discussion on capacity buildings in the region.

- **IT support, communications and information (WG3):**

The working group facilitator provided an overview on the updates to the APSN website since the last Plenary. The facilitator introduced a draft APSN Website User Guidelines document, and Members' comments are being solicited. In addition, several issues were discussed, including raising APSN's visibility via website while planning for regional/international events and creative approaches to increasing the use of the website. The participants discussed a number of ideas, such as taking a more strategic approach to communication with external stakeholders (including linking social media such as twitter accounts), leadership by WGs on posting content, using the website to plan for APSN's participation in the IAEA Safeguards Symposium in 2018, and exchange of experiences in preparation for AP reporting. Everyone agreed that an automatic notification feature could be critical for improving the use of the website.

- **Safeguards legislation (WG4):**

- Indonesia gave report on the status of Action Plans proposed and agreed in the previous meetings. The status report shows that most plans were already completed. The session also included presentation on Safeguards Inspection Model Provision as part of Safeguards Legislation Kit (SLK). The presentation focused on the topic of inspection, namely on national inspection and access, international inspection and Complementary Access, escort team, as well as inspected persons and personnel. As conclusion, national legislation should be inline with international rules especially in inspection, and granting access for international inspection.
 - **Physical protection in support of strengthening safeguards (WG5):**

ROK provided the survey results on NMAC system and Inspector Training Program that were revised. All the member state actively discussed on how to utilize the results and agreed that the results could be useful for the countries that have a plan to establish their own system. ROK also gave a presentation on its own system in detail. Some member state were concerned on the joint inspection procedure between security and safeguards. All member state agreed to discuss further on the synergy effect between security and safeguards. Regarding the inspector training program, member state suggested that it must be categorized into 3 groups as like emerging country, intermediate country, and well-organized country. The member state discussed the ROK's proposal how to expand the WG5 agenda and determined to discuss further. The facilitator urged member state to make a presentation on their own system and experience on the joint inspection next meeting.
7. The 9th Annual Meeting of APSN will be held in Vienna in conjunction with 2018 IAEA Safeguards Symposium. The Venue and date for the next APSN Annual Meeting will be determined after further discussion.

Action Items	Actioning Country/Group	Nominal Date
<ul style="list-style-type: none"> • SG training providers put plans of SG capacity building support activities on the APSN website, WG2 monitor and report the progress. 	All Members	As needed
<ul style="list-style-type: none"> • Seeking possible measures of assessing outcomes of the training activities(including workshop) 	All Members	As needed
<ul style="list-style-type: none"> • Share APSN Members' National Safeguards Capacity Building Mid Term (3 years) Plan (Continue) 	All Members	As needed
<ul style="list-style-type: none"> • Training Needs survey for SQP states (New) 	Japan	End 2017
<ul style="list-style-type: none"> • WG2 facilitator (Japan) prepares a new survey for APSN members on needs analysis - Prepare and distribute survey sheet, analyze survey results 	Japan	2020
WG3: IT support, communications and information		
<ul style="list-style-type: none"> • Upload all the materials from the 8th APSN Annual Meeting 	APSN Secretariat (ROK) and All members	Nov 15, 2017
<ul style="list-style-type: none"> • Finalize the APSN Website User Guidelines (on Members Only) 	All Members	End of Dec. 2017
<ul style="list-style-type: none"> • Updated Points of Contacts to be Submitted to DOE 	All Members DOE	End of Nov. 2015 Ongoing
<ul style="list-style-type: none"> • Registration for new participants (email to: https://apsn-members.labworks.org/user/register) 	All Members	End of Dec 2017
<ul style="list-style-type: none"> • Complete and post country/organizational profiles on the APSN website 	DOE	End of Nov 2017
<ul style="list-style-type: none"> • Develop automatic notification feature Set up a discussion forum on Planning for IAEA Safeguards Symposium 	DOE	End of Nov 2017
<ul style="list-style-type: none"> • All Working Groups to submit their activities on Members Only 	Working Group Facilitators	Quarterly
WG4: Safeguards Legislation		

Action Items	Actioning Country/Group	Nominal Date
<ul style="list-style-type: none"> Sharing experience in the assignment of Escort Team for international inspection including available guidelines applied from advanced countries. Hold workshop or training on national inspection for power plant, research reactor and radio isotope production related to inspection regulation. 	<p>Australia, Canada, Japan, Korea, USA</p> <p>USDOE/Indonesia /Japan/participating countries</p>	<p>9th Plenary 2018</p> <p>(prosed to WG2 Capacity Building)</p>
<p>WG5: Physical Protection in Support of Strengthening Safeguards</p>		
<ul style="list-style-type: none"> Conduct surveys continually to all Member States and evaluate outcome Ask member state to make presentation on their own system for inspector training and best practice for joint activities between safeguards and security Discuss the possibility to expanding the scope of WG5 	<p>ROK/Participating Member States</p> <p>All Member States</p> <p>All Member States</p>	<p>July 2018</p> <p>9th Plenary 2018</p> <p>9th Plenary 2018</p>