

Chair's Summary of the 15th APSN Plenary Meeting 5th - 6th November 2024 Krabi, Thailand

1. The 15th Asia-Pacific Safeguards Network (APSN) Annual Meeting was held on 5th – 6th November 2024, participated by 46 representatives from 16 countries, the Institute of Nuclear Materials Management (INMM) and the International Atomic Energy Agency (IAEA) (see attached list of participants).
2. The APSN meeting was hosted by the Government of Thailand and organized by Office of Atoms for Peace (OAP) with three main agenda items: (1) The 15th Anniversary and IAEA Keynote Session; (2) topical APSN Working Group (WG) sessions, which were dedicated for knowledge and information sharing and updating on safeguards implementation; and (3) country updates of APSN members along with APSN new development and future activities. The three main agenda items were addressed in twelve sessions (see attached agenda).
3. In the first Session “Opening and Introductions”, Mr. Kenji Murakami, Special Assistant to the Minister for Foreign Affairs of Japan welcomed the participants as the Head of the APSN Steering Committee (SC). Mr. Murakami expressed high appreciation to the Government of Thailand, particularly Office of Atoms for Peace (OAP) for organization of this Meeting and the venue. Mr. Kenji Murakami then opened the Meeting by reporting the SC meeting and discussing the main agenda items: (1) 15th Anniversary Session and Reception; (2) topical APSN Working Group (WG) sessions for knowledge and information sharing and updating on safeguards implementation; (3) New Member and development including the MOU for cooperation; (4) Roundtable Discussions with IAEA management; and (5) Transfer of Chair/Head. (see agenda attached). Mr. Kenji Murakami expressed hopes that the participants will have opportunities to exchange useful information and valuable knowledge, sharing experiences and good practices, mutual support and collaboration, with an aim to enhance the Safeguards implementation in the Asia Pacific Region.
4. After the opening, “15th Anniversary Session”, Mr. Massimo Aparo, Deputy Director General, IAEA, Ms. Pennapa Kanchana, Deputy Secretary General, OAP, Mr. Naobumi Yokota, Director (Non-Proliferation), MOFA, Japan and Mr. Suwit Suriyawong, Vice Governor of Krabi Province, Thailand extended special congratulations to APSN members in celebration of the network's 15th anniversary.

The Session was facilitated by Ms. Pennapa Kanchana, Deputy Secretary General, OAP, Thailand.

5. The third session, Working Group 1 (WG1) facilitated a session on SRAs conducting domestic inspections. The session commenced with Mr. Jose Araujo, Section Head SGOA1, discussing personal experience and the value of SRA's conducting domestic inspections in supporting the IAEA to implement efficient and effective safeguards. This was followed by presentations on national experiences of domestic inspections by Indonesia, Singapore and the Republic of Korea. Mr. Kusbandono (BAPETEN) presented on pre-inspection activities, Mr. Ng (NEA) presented on domestic inspections at Locations Outside Facilities (LOFs), and Dr. Ickhyun Shin (KINAC) presented on domestic Facility inspections. The session closed with participants discussing the value of and next steps on developing a Good Practices Guide on Domestic Inspections, which will be prepared by the WG1 Facilitator and interested APSN members.

This session was facilitated by Ms. Lyndell Evans, Assistant Director, Safeguards Implementation Section, ASNO, Australia.

6. In the fourth session, Working Group 2 (WG2) discussed "Results of Training Provider Meeting", "Updates of Training programs and lecturers, Online Training" and "Safeguards implementation for LOF". Mr. Masato Hori, Senior Technical Specialist, ISCN/JAEA, Japan made a presentation on the results of training provider meeting and Ms. Megumi Sekine, Assistant Principal Engineer, ISCN/JAEA, Japan made a presentation on updates of Training programs and lecturers, online Training. Mr. Yohei Kojima, Director General in Charge of Safeguards and Security, NRA, Japan also made a presentation about Capacity Building on Safeguards implementation at LOF. The session provided a useful exchange of information and discussed future activity and cooperation for the capacity building among APSN members.

The session was facilitated by Mr. Naobumi Yokota, Director, Non-Proliferation, Science and Nuclear Energy Division, Ministry for Foreign Affairs, Japan.

7. The fifth session, Working Group 3 (WG3) provided an update on the ongoing efforts to revitalize the APSN website, which was initially managed by the US until 2019 and BAPETEN, Indonesia volunteered to take over the website's development. In addition to the website, Ms. Esturini Firiayanti (BAPETEN) made a presentation and introduced the new website, which is built using open-source frameworks and features a dashboard with sections for news, documents, and user access levels. The website is designed with a front-end for public access and a back-end for administrators, with a registration and verification process for new users.

The Session was facilitated by Ms. Margot Mininni, Foreign Affairs Specialist Office of International Safeguards, US DOE/NNSA, USA.

8. The sixth session, Working Group 4 (WG4) included the introduction remarks which Indonesia reminded member countries of their obligations to facilitate the Agency in carrying out its duties, such as: providing access to verify nuclear materials, C/S installations, and DIV. Meanwhile, Canada provided information sharing about the implementation of safeguards in CANDU reactors and challenges for member countries wishing to build SMRs.

The Session was facilitated by Mr. Kusbandono, Safeguards Inspector, Nuclear Energy Regulatory Agency (BAPETEN), Indonesia

9. The seventh session focused on Working Group 5 (WG5) which included presentation by Mr. Ho-sik Yoo (KINAC), sharing the regulation of Safeguards and licensing process which included the timeline for safeguards documents in the Republic of Korea (ROK). Mr. Emlyn Graham (ASNO) outlined the regulatory framework for safeguards and security in Australia, emphasizing the role of the Australian Safeguards and Non-Proliferation Office (ASNO) and the importance of early engagement with operators in establishing new facilities. Ms. Amna Al Ali, (FANR) explained their licensing process, highlighting the integration of safeguards by design at the Barakah Nuclear Power Plant. The discussion also covered the challenges and lessons learned in Implementing Safeguards by Design.

The session was facilitated by Mr. Ho-sik Yoo, Principal Researcher, Korea Institute of Nuclear Nonproliferation and Control (KINAC), Republic of Korea

10. In the eighth session 14 APSN members and observers provided a national introduction and updates on recent nuclear and safeguards activities, developments and challenges. IAEA also provided updates on recent Agency's activities.

The session was facilitated by Ms. Pennapa Kanchana, Deputy Secretary General, OAP, Thailand.

11. The ninth session was titled: "Information from Partners and Observers". The Session shared information and current activities by these organizations.

After the signing ceremony of the MOU for the partnership between Institute of Nuclear Materials Management (INMM) and the APSN Chair, Thailand, Mr. Mark Schanfein, former President INMM, presented the INMM's activities. Ms. Mari Lahti, President, ESARDA sent video message about ESARDA's 2024 activities. The MOU will further accelerate and strengthen the collaboration between INMM and APSN and those presentations provide useful information which would lead to a future activities and cooperation between the organizations.

This Session was facilitated by Mr. Kenta Bame, Assistant Director, Non-Proliferation, Science and Nuclear Energy Division, Ministry for Foreign Affairs, Japan.

12. In the tenth session on “APSN New development and New Members”, Mr. Raffin Maneechayangkoon (OAP) announced Brunei as the newest member of APSN, with representatives from various countries expressing gratitude and highlighting the importance of safety, security, and the peaceful use of nuclear technology in the Asia-Pacific region. The importance of including Pacific Island countries, such as Fiji, Papua New Guinea, Palau, and especially Timor Leste, which recently ratified nuclear obligations, was emphasized.

This Session was facilitated by Mr. Raffin Maneechayangkoon, Nuclear Engineer, OAP, Thailand.

13. The eleventh session, titled “Roundtable Discussions”, focused on the implementation of safeguards in the Asia Pacific Region.

Mr. Massimo Aparo, Deputy Director General for Safeguards at the IAEA, presented “Safeguards - Big Picture”, which highlighted the Agency’s challenges including Ukraine, Iran, DPRK, Original SQP agreements and priorities such as naval nuclear propulsion, gender parity and diversity.

Mr. Mohamed Lamari, Director of the Division of Operations (A) (SGOA), IAEA presented “Safeguards on Regional Trends and Opportunity” discussing specific safeguards matters related to Asia Pacific region.

Following the presentations, participants engaged in discussions on various aspects of safeguards implementation, including Member States reporting requirements, training needs and empowering the role of the Safeguards State Authorities. The presentations and discussions provided valuable and timely insights through very active interactions among participants.

This Session was facilitated by Mr. Kenji Murakami, Special Assistant to the Minister for Foreign Affairs of Japan and Mr. Mohamed Lamari, Director of SGOA, IAEA.

14. Under the twelfth session “Transfer of Chairs”.

(APSN Chair)

(Thailand) ⇨ (Australia)

(Head of Steering Committee)

(Japan) ⇨ (Korea)

As the current Head of the Steering Committee, Mr. Kenji Murakami, Special Assistant to the Minister for Foreign Affairs of Japan, expressed sincere appreciation to the SC members and APSN colleagues for their support while Japan was the Head of the SC. It has been a valuable experience and we are very pleased have contributed on the capacity building through the needs surveys and coordination of training programs. Japan will continue to strongly support the APSN and the new team.

**Asia-Pacific Safeguards Network (APSN)
15th Annual Meeting, Krabi, Thailand
5-6 November 2024
AGENDA**

Time	Tuesday 5, November 2024	
09:00 – 09:50	Steering Committee meeting <i>Led by Japan (Head of Steering Committee)</i>	Australia, Indonesia, Japan, ROK, Thailand, USA

Arrival and registration, Coffee available

	Tuesday 5, November 2024	
10:00 – 10:15	1. Opening and Introductions <i>Session facilitated by Thailand</i> <i>Report from Steering Committee- Japan</i>	
10:15 – 11:00	2. 15 th Anniversary Session <i>Session facilitated by Thailand/Japan</i> a. Ms. Pennapa Kanchana, Deputy Secretary General, OAP, Thailand b. Mr. Massimo Aparo, Deputy Director General, IAEA c. Mr. Naobumi Yokota, Director (Non-Proliferation), MOFA, Japan d. Mr. Suwit Suriyawong, Vice Governor of Krabi Province, Thailand	[Photo Session]
	APSN Working Group Sessions	
11:00 – 12:15	3. Working Group 1 <i>Session facilitated by Australia</i> Developing an APSN Good Practices Guide on Domestic Inspections a. Introduction b. Value of SRA domestic inspections c. Presentations d. Discussion - next steps on developing Guide	IAEA's reflections on the value of SRA domestic inspections Presentations by: a. Indonesia: pre-inspection activities b. Singapore: LOF inspections c. ROK: Facility inspections
12:15 – 13:15	Lunch	

13:15 – 14:30	4. Working Group 2 <i>Session facilitated by Japan</i> Follow-up on Needs Survey a. Results of Training Provider Meeting b. Updates of Training programs and Lecturers, Online Training c. Safeguards implementation for LOF	Presentation by a. MOFA (Opening) b. JAEA/ISCN c. Japan Safeguards Office (JSGO)/NRA
14:30 – 15:45	5. Working Group 3 <i>Session facilitated by USA</i> a. Status update on the new APSN website (Indonesia) b. Outreach and communication in effective safeguards implementation: Power Point and Update on outreach event in CY25 (US).	
15:45 – 16:05	Coffee/Tea break	
16:05 – 17:20	6. Working Group 4 <i>Session facilitated by Indonesia</i> a. Introduction b. presentation on SBD for BWRX-300 and Safeguards Approach for Candu reactor	Presentation by a. Indonesia b. Canada
18.00	Reception Dinner (Welcomes, Memorial ceremony, Cultural Event, etc.)	
Wednesday 6, November 2024		
09:00 – 10:15	7. Working Group 5 <i>Session facilitated by ROK</i> a. Introduction b. Country Presentations on licensing processes (20 minutes per country) • Presentation by ROK <i>Regulation of Safeguards in the ROK</i> • Presentation by Australia <i>Safeguards and Security in Establishing New Facilities</i>	

	• Presentation by UAE <i>Safeguards Licensing at Nuclear Facilities in the UAE</i> c. In-depth Discussion	
10:15 – 10:45	Coffee/Tea break	
10:45 – 12:30	8. National introductions and Country Updates (without slides) <i>Session facilitated by Thailand</i>	Each APSN member to present a 5-minute, high-level, update on recent nuclear and safeguards activities, developments and challenges
12:30 – 13:45	Lunch	
13:45 – 14:30	9. Information from Partners and Observers <i>Session facilitated by Japan</i> a. Signing MOU with INMM b. Video message from ESARDA	Sharing information and experience on current activities
14:30-15:15	10. APSN New development and New Members <i>Session facilitated by Thailand</i> Potential New Members	APSN to discuss new development and members
15: 15 - 15:30	Coffee/Tea break	
15:30 – 17:30	11. Roundtable Discussions <i>Session facilitated by IAEA / Japan</i> IAEA Presentations: - Safeguards – The Big Picture (Mr. M. Aparo DDG-SG) - Safeguards on Regional Issues (Mr. M. Lamari DIR-SGOA) Discussion Points: 1. Empowering the role of the Safeguards State Authorities 2. Safeguards Conclusion for SQP States with original standard text. 3. Reporting requirements and training needs 4. Questions from the Questionnaire.	Presentations by IAEA about Safeguards on Global and Regional issues followed by roundtable discussion on Safeguards implementation in the Asia Pacific Region.

17:30 – 18:00	12. Transfer of Chairs <i>Session facilitated by Thailand / Japan</i> Thailand (APSN Chair) to Australia Japan (SC Head) to R. of Korea	
18:00	Close	

List of Participants
Asia Pacific Safeguards Network 15th Annual Meeting and
Asia Pacific Safeguards Network- International Atomic Energy Seminar on Safeguards Implementation Strategy Development
5 - 8 November 2024

No.	Country	Title	First Name	Surname	Name of Organization/Institution	Position in the Organization/Institution	Email (incl. alternate email)	APSN 15th Annual Meeting (5-6 Nov)	APSN-IAEA Seminar (7-8 Nov)
1	Australia	Dr.	Geoffrey	Shaw	Australian Safeguards and Non-Proliferation Office	Director General	geoffrey.shaw@dfat.gov.au	Yes	No
	Australia	Ms.	Lyndell	Evans	Australian Safeguards and Non-Proliferation Office	Assistant Director, Safeguards Implementation Section	lyndell.evans@dfat.gov.au	Yes	No
	Australia	Mr.	Emlyn	Graham	Australian Safeguards and Non-Proliferation Office	Assistant Director, Nuclear Cooperation and Design Section	emlyn.graham@dfat.gov.au	Yes	Yes
2	Brunei	Ms.	Nur al-Ain	binti Dr Hj Abdullah	Safety Health and Environment National Authority (SHENA)	DIRECTOR OF LEGAL SERVICES DIVISION	ain.abdullah@shena.gov.bn	Yes	Yes
	Brunei	Mr.	Junyi	Koh	Safety Health and Environment National Authority (SHENA)	Acting Inspector I	koh.junyi@shena.gov.bn	Yes	Yes
3	Canada	Ms.	Elaine	Kanasewich	Canadian Nuclear Safety Commission	Director General, Internal Safeguards Division	elaine.kanasewich@cnsc-ccsn.gc.ca	Yes	Yes
4	Indonesia	Ms.	Esturni	Fitriyanti	Nuclear Energy Regulatory Agency (BAPETEN)	Head of Data and Information Division	e.fitriyanti@bapeten.go.id	Yes	Yes
	Indonesia	Mr.		Kusbandono	Nuclear Energy Regulatory Agency (BAPETEN)	Coordinator for Safeguards Inspection	y.kusbandono@bapeten.go.id	Yes	Yes
	Indonesia	Mr.	SUGENG	SUMBARJO	NUCLEAR ENERGY REGULATORY AGENCY (BAPETEN)	Acting Chairman/Executive Secretary	s.sumbarjo@bapeten.go.id	Yes	Yes
5	Japan	Mr.	Kenji	Murakami	Ministry of Foreign Affairs of Japan	Special Assistant to the Minister for Foreign Affairs	murakami.k12@gmail.com	Yes	Yes
	Japan	Mr.	Ryusuke	WAKABAYASHI	Ministry of Foreign Affairs of Japan	Researcher, Non-Proliferation, Science and Nuclear Energy Division	ryusuke.wakabayashi@mofa.go.jp	Yes	Yes
	Japan	Dr.	Masato	Hori	JAEA / ISCN	Senior Technical Specialist	hori.masato@jaea.go.jp	Yes	Yes
	Japan	Dr.	Megumi	Abe (Sekine)	JAEA / ISCN	Assistant Principal Engineer	seki.meigumi@jaea.go.jp	Yes	Yes
	Japan	Mr.	Naobumi	Yokota	Ministry of Foreign Affairs of Japan	Director, Non-Proliferation, Science and Nuclear Energy Division	naobumi.yokota@mofa.go.jp	Yes	No
	Japan	Mr.	Kenta	Bame	Ministry of Foreign Affairs of Japan	Assistant Director, Non-Proliferation, Science and Nuclear Energy Division	kenta.bame@mofa.go.jp	Yes	Yes
	Japan	Mr.	Yohel	KOJIMA	NRA	Director-General for Radiation Protection Strategy and Security	kojima.yohel_kbv@mra.go.jp	Yes	No
	Japan	Ms.	Rin	SUZUKI	NRA	Staff of Japan Safeguards Office (JSGO)	suzuki_rin_wbv@mra.go.jp	Yes	Yes
6	Malaysia	Dr.	WEI ENG	ANG	DEPARTMENT OF ATOMIC ENERGY MALAYSIA	PRINCIPAL ASSISTANT DIRECTOR	wieeng@aelb.gov.my	Yes	Yes
7	Republic of Korea	Dr.	Sang Jun	Lee	Korea Institute of Nuclear Nonproliferation and Control	Senior Researcher	leesj01406@kinac.re.kr	Yes	Yes
	Republic of Korea	Mr.	ICKHYUN	SHIN	Korea Institute of Nuclear Nonproliferation and Control	Principal Researcher	ishin@kinac.re.kr	Yes	Yes
	Republic of Korea	Mr.	Ho-sik	Yoo	Korea Institute of Nuclear Nonproliferation and Control	Principal Researcher	hsyoo@kinac.re.kr	Yes	Yes
8	Singapore	Mr.	Chee Boon	Ng	National Environment Agency	Senior Engineer	ng_chee_boon@nea.gov.sg	Yes	Yes
9	Sri Lanka	Mr.	T. M. R.	Tennakoon	Sri Lanka Atomic Energy Regulatory Council	Member of Board of Management	tmrtaea@gmail.com	Yes	Yes
10	Thailand	Ms.	Pennapa	Kanchana	Office of Atoms for Peace	Deputy Secretary General	pennapa.k@oap.go.th	Yes	No
	Thailand	Mr.	Panpong	Pingish	Office of Atoms for Peace	Director of Nuclear and Radiation Inspection Division	panpong.p@oap.go.th	Yes	Yes
	Thailand	Mr.	Raffin	Maneechayangkoon	Office of Atoms for Peace	Nuclear Engineer Professional, Nuclear and Radiation Inspection Division	raffin.m@oap.go.th; raffinman@gmail.com	Yes	Yes

List of Participants
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No.	Country	Title	First Name	Surname	Name of Organization/Institution	Position in the Organization/Institution	Email (incl. alternate email)	APSN 15th Annual Meeting (5-6 Nov)	APSN-IAEA Seminar (7-8 Nov)
	Thailand	27	Ms. Tanaporn		Office of Atoms for Peace	Nuclear Engineer, Nuclear and Radiation Licensing Division	tanaporn.p@oap.go.th	Yes	Yes
	Thailand	28	Ms. Jirapath	Tangthumwarat	Office of Atoms for Peace	Foreign Relations Officer	jirapath.i@oap.go.th	Yes	Yes
	Thailand	29	Ms. Purimnun	Pisutratanakorn	Office of Atoms for Peace	Nuclear Engineer, Nuclear and Radiation Inspection Division	purimnun.p@oap.go.th	Yes	Yes
	Thailand	30	Ms. Chonrithon	Boonprasop	Office of Atoms for Peace	Foreign Relations Officer	chonrithon.b@oap.go.th	Yes	Yes
11	Lao PDR	31	Ms. Kongchay	PHIMMAKONG	Department of Science, Ministry of Education and Sport	NL O, Deputy Director General	lalhdawong.psv@gmail.com; kongchaybeechar@gmail.com	Yes	Yes
	Lao PDR	32	Ms. SOULENA	VONGSA	Radiation and Nuclear safety office	Technical officer	Soulena.vgs@gmail.com	Yes	Yes
12	United States	33	Ms. Marguerite	Mininni	Dept. of Energy National Nuclear Security Administration	Foreign Affairs Specialist/ Office of International Safeguards	margot.mininni@msa.doe.gov	Yes	No
	United States	34	Ms. Oksana	Elkhamri	Dept. of Energy/National Nuclear Security Administration	Regional Technical Lead for International Safeguards Engagement	Oksana.Elkhamri@pnml.gov	Yes	No
	United States	35	Ms. Kayn	Durbin	U.S. DOE/NNSA	Director, International Nuclear Safeguards Engagement Program (INSEP)	Kayn.durbin@msa.doe.gov	Yes	No
13	Viet Nam	36	Dr. Nguyen	Kien Cuong	Datat Nuclear Research Institute	Deputy Director of the Data Nuclear Research Institute	cuongnk.re@dnri.vn	Yes	Yes
	Viet Nam	37	Mr. Viet Tuan	Can	Viet nam Agency for radiation and nuclear safety	Officer of Legislation and International Cooperation Division	cvuan@most.gov.vn	Yes	Yes
14	INMM	38	Mr. Mark	Schanstein	INMM/ Idaho National Laboratory	Senior Nonproliferation Advisor	mark.schanstein@inl.gov	Yes	Yes
15	IAEA	39	Mr. Massimo	Aparo	International Atomic Energy Agency	Deputy Director General (Safeguards)	M.Aparo@iaea.org	Yes	No
	IAEA	40	Mr. Mohammed	Lamari	International Atomic Energy Agency	Director Safeguards Operation A	M.Lamari@iaea.org	Yes	No
	IAEA	41	Mr. Jose	Araujo	International Atomic Energy Agency	Section Head OA1	j.araujo@iaea.org	Yes	Yes
	IAEA	42	Ms. Marzia	Baldassari	International Atomic Energy Agency	Team Leader (Safeguards-Member States Training)	M.Baldassari@iaea.org	Yes	Yes
	IAEA	43	Mr. Jean Philippe Claude	Morizot	International Atomic Energy Agency		JP.Morizot@iaea.org	No	Yes
16	Palau	44	Mr. Jeffrey	Aniol	Bureau of Foreign Affairs & Trade, Ministry of State	Director	antiojfrejy@gmail.com	Yes	Yes
	Palau	45	Ms. Symone Esichang	Ubedei	Bureau of Foreign Affairs & Trade, Ministry of State	Chief of the Division of Asia Pacific Affairs	symone.ubedei@gmail.com	Yes	Yes
17	Mongolia	46	Ms. Gereima	Gombosuren	The Executive Office of the Nuclear Energy Commission	Senior officer	g.gereima@nea.gov.mn	Yes	Yes
19	UAE	47	Ms. Amna	Ali Al Ali	Federal Authority for Nuclear Regulation		amna.alali@farr.gov.ae	Yes	Yes