



SUMMARY REPORT

THE 2ND ANNUAL MEETING OF THE ASEAN NETWORK ON NUCLEAR POWER SAFETY RESEARCH

Bangkok, Thailand, 15 – 17 March 2018

INTRODUCTION

1. The Meeting was held in Bangkok, Thailand on 15 – 17 March 2018. The Meeting was chaired by Thailand and was attended by *Lao PDR, Malaysia, Myanmar, the Philippines, Singapore, Thailand, Vietnam, International Atomic Energy Agency's Expert and ASEAN Secretariat*. The list of participants appears in **ANNEX 1**.

AGENDA ITEM 1: ADOPTION OF AGENDA

2. The Meeting adopted the Agenda, which appears as **ANNEX 2**.

Welcoming/Opening Remarks

3. Dr. Pornthep NISAMANEEHONG, the Executive Director of Thailand Institute of Nuclear Technology delivered the opening remarks. The full text of the remarks appears as **ANNEX 3**.

AGENDA ITEM 2: INTRODUCTION TO THE ASEAN NETWORK ON NUCLEAR POWER SAFETY RESEARCH

4. Thailand made a brief introduction of the ASEAN Network on Nuclear Power Safety Research (ASEAN NPSR). The presentation appears as **ANNEX 4**.

AGENDA ITEM 3: PROGRESS REPORT OF THE 2017 BENCHMARK PROBLEM

5. The participants from the Philippines, Singapore, Vietnam and Thailand presented their progress report of the 2017 benchmark problem. The presentation of each country appears as **ANNEX 5-8**, respectively.

6. Thailand introduced the website for ASEAN NPSR (<https://aseannpsr.com>), and encouraged the Meeting to use the website as the platform for information sharing among the ASEAN Member States (AMS).

7. Vietnam proposed to host the 3rd Annual Meeting of the ASEAN NPSR in Hanoi on 14-15 March 2019.

Action by: Vietnam

AGENDA ITEM 4: INFORMATION ON NUCLEAR ENERGY COOPERATION SUB-SECTOR NETWORK (NEC-SSN) UNDER THE SENIOR OFFICIAL MEETING ON ENERGY BODY

8. The ASEAN Secretariat made a brief introduction of ASEAN bodies related to nuclear, namely ASEANTOM, ASEANWFZ and ARF under the APSC, NEC-SSN and NPSR under AEC, and SOMHD under ASCC. The presentation appears as **ANNEX 9**.

AGENDA ITEM 5: RECOMMENDATIONS AND SUGGESTIONS ON THE 2017 BECNHMARK PROBLEM

9. The International Atomic Energy Agency (IAEA)'s expert recommended that ASEAN NPSR consider the possible contributions of its activities to safety, and the linkages to the existing IAEA Technical Cooperation (TC) project on Emergency Preparedness and Response, as well as to the MODARIA II Working Group 2. The development of network workplan in the context of a broader regional action plan should also be considered. The presentation appears as **ANNEX 10**.

AGENDA ITEM 6: IMPLEMENTATION OF THE ASSESSMENT OF THE 2017 BENCHMARK PROBLEM

10. The Meeting agreed upon the assessment conditions, the results to be compared and the project implementation plan as appeared in **ANNEX 11**.

11. Singapore, Thailand and Vietnam will participate in the assessment 2017 benchmark problem. Malaysia and the Philippines will be observers and may consider participation in the future. Lao PDR and Myanmar will be observers. Thailand will lead the 2017 benchmark problem.

12. The next online project meeting will be on 22 June.

Action by: AMS

AGENDA ITEM 7: PROPOSAL OF A NEW BENCHMARK PROBLEM

13. Vietnam presented its new situation after the cancellation of the Ninh Thuan 1 and Ninh Thuan 2 Nuclear Power Plants (NPP) and its concerned on the Chinese NPP located near the Vietnam border. The benchmark problem on assessment of consequences of NPP accidents focusing on HPR1000 (Hualong-1) was proposed. The presentation appears as **ANNEX 12**.

14. Singapore and Thailand expressed interest in participation in the proposed benchmark problem. The discussion on the assessment of the new benchmark problem will be on a bilateral or trilateral basis.

Action by: Vietnam, Singapore, Thailand

AGENDA ITEM 7: INTRODUCTION OF ASEANTOM AND ITS ACTIVITIES

15. The Representative from Office of Atoms for Peace, as the main focal point of ASEANTOM, introduced of ASEANTOM and its activities, together with its IAEA TC project and European Commission (EC) project. The presentation appears as **Annex 13**.

16. The Meeting discussed the possibility for collaboration between ASEAN NPSR and ASEANTOM, and concluded that it is beneficial to have communication between the two networks.

AGENDA ITEM 8: SUBMISSION OF A TC PROJECT CONCEPT

17. The ASEAN Secretariat emphasized that ASEAN NPSR submit the TC Project Concept to the ASEAN Secretariat in order to circulate to SCSE and COST for endorsement.

18. Thailand will lead the preparation of the TC Project Concept and the timeline is as follows.

No	Actions	Timeline	Action By
1	The draft of IAEA Regional TC project proposal by Thailand to be circulated to AMS	By 30 March 2018	Thailand
2	The feedback from AMS to Thailand	By 9 April	AMS
3	The final draft of the proposal to be circulated to AMS	By 20 April	Thailand
4	The confirmation on the final draft by the AMS	By 25 April	AMS
5	The submission of the final draft of the proposal to IAEA and ASEAN Secretariat	By 30 April	Thailand

Action by: Thailand, AMS

AGENDA ITEM 9: SELECTION OF THE 2018 LEAD COUNTRY

19. The Philippines proposed having a co-lead country to ensure the sustainability of the network.

20. The Meeting concluded that Thailand be the lead country, and Vietnam be the co-lead country for the ASEAN NPSR until the 3rd Annual Meeting.

AGENDA ITEM 9: ADOPTION OF REPORT

21. The Meeting adopted the Summary Report.

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