

**Discussion Summary of Working Group III**  
**Nuclear Science, Technology, Security, and Safeguards**  
**TECRO-AIT JSC Meeting on Civil Nuclear Cooperation**  
**December 4-December 5, 2023**

Number of items discussed	23
Closed items	1
New items	0
Merged items	2
Number of working items	20

1. **Closed items:** 1
2. **New items:** 0
3. **Merged items:** 2
4. **Commitments:**

TECRO appreciates the assistance of AIT. Many of the cooperative items have been progressing successfully. Following detailed discussions, both sides agreed to keep 20 items going.

**D59:** If NRC plans to hold any training program related to radiation protection aspect of decommissioning, please notify NSC in advance. NSC would send staff to attend it if budget allows.

**D64:** NSC will inform NRC on specific topics they are interested in, and NRC will send course information.

**I7:** NARI will send a short summary proposal to AIT to identify the proper contacts. (WG #3 agreed to merge I7 and I14, and title changed to Technical Exchange and Information Sharing on Radiopharmaceuticals)

**I19:** NARI plans to decide on participation in the IEEE Nuclear Science Symposium and Medical Imaging Conference to be held in Tampa, USA in 2024 based on actual circumstances.

**Y3:** NARI has re-submitted all application requirements and NRC to follow up. NARI will execute the high burnup fuel behavior evaluations of the spent fuel rods in Kuosheng and Maanshan NPP by FRAPCON-4.0 and attend the FRAPCON user group meeting in 2024.

**Y4:** DOE/NNSA to follow up to identify correct AIT POC. NARI would like to attend the user training course and execute the test run of BISON code. NTHU would like to purchase the zircaloy cladding such as Zircaloy-2 and Zircaloy-4 for the study on the cladding behaviors in interim dry storage facility.

- CC1:** The activity of performing neutron experiment at NIST and ORNL will be continuous on. The invitation of distinguished visiting scientists will be continuous. NTHU plans to send a short summary proposal to DOE NE to help identify the correct AIT POC.
- EE2:** Currently curriculum material being developed for ITC-30. AIT will inform TECRO once dates for ITC-30, likely in 2024 or 2025, are determined and TECRO will nominate representatives to attend.
- EE3:** Propose to keep ongoing.
- EE5:** DOE/NNSA to provide additional information to TECRO on mobile hot cell and silo storage. DOE/NNSA will also share domestic table-top exercise (TTX) schedule with TECRO.
- EE7:** NSC proposes a technical exchange regarding Nuclear Security Center of Excellence in the second half of 2024. TECRO will provide a summary update of status and plan to hold a virtual meeting. (WG #3 agreed to merge EE6 and EE7. EE7 renamed: Technical Exchanges on Physical Protection.)
- FF1:** Propose to keep ongoing.
- FF2:** Propose to keep ongoing.
- FF3:** Papers of safeguards information were exchanged in 2023. AIT and TECRO plan to exchange papers in 2024.
- FF4:** TECRO will submit annual inventory report of all materials in 2024.
- HH1:** AIT requests a short summary of proposed cooperation in order to identify the proper AIT POC.
- II1:** AIT requests a short summary of proposed cooperation in order to identify the proper AIT POC.
- II2:** AIT requests a short summary of proposed cooperation in order to identify the proper AIT POC.
- II3:** AIT requests a short summary of proposed cooperation in order to identify the proper AIT POC.
- Y5:** Propose to keep ongoing.
- LA:** Propose to close the item.

Approved:

5 Dec 2023

Kristin Hirsch  
AIT Representative

Date:

Kristin Hirsch

5th Dec 2023

Shian-Shing Shyu  
TECRO Representative

Date:

Shian-Shing Shyu