

2022 U.S.-Taiwan Joint Standing Committee on Civil Nuclear Cooperation Working Group 1 Action Matrix – Reactor Regulation and Regulatory Research

Working Group I began this year's meeting with 16 existing items. After extensive working group discussion, Working Group I decided to close one item (AE-NR-JJ5, Regulatory Activities on a Deferred Nuclear Power Plant), and continue cooperating on the remaining 15 items. Planned activities for 2023 are summarized below.

Agreements. AIT and TECRO have four agreements implemented by NRC and AEC—an umbrella arrangement for information exchange and three computer code agreements (CAMP, CSARP, RAMP).

- CAMP and CSARP renewals have been under AIT review for several months. The extensions will expire January 30, 2023, so NRC has proposed second extensions for both. NRC will look into longer term agreements because of the lengthy reviews needed on the U.S. side.
- RAMP will expire June 14, 2024. NRC suggests beginning the renewal process during 2023 and pursuing an extension at the same time as the renewal. NRC will explore a longer agreement because of the lengthy reviews needed on the U.S. side.
- Arrangement for technical cooperation and information exchange is in effect May 14, 2021 to May 14, 2026. NRC proposes to begin renewal discussions in December 2024, and to consider allowing the arrangement to automatically renew at the end of the next 5-year term due to the lengthy review needed on the U.S. side.

Bilateral Technical Meeting. NRC and AEC look forward to resuming the annual bilateral technical meetings during 2023, with a meeting and site tour in the United States. NRC will share information on schedules for decommissioning inspections and emergency exercises. AEC will identify specific activities they would like to observe and specific details for the technical exchange to assist in identifying the best technical experts and options for the site visit. Details including discussion topics, venue, schedule, and site tour will be discussed via email. Discussions topics may include :

- Probabilistic safety analysis
- Post-Fukushima safety evaluation and information exchange
- Aging management of operating and decommissioning nuclear power plants
- Regulatory feedback on leading issues in decommissioning
- Emergency and security exercises

Training. NRC will share the list of reactor inspector training courses with AEC and coordinate on bringing two AEC inspectors to the United States for training in 2023.

CNS. NRC looks forward to receiving the Taiwan CNS report for review in mid-2023.

Emergency preparedness/security.

- AEC will continue to conduct biannual communication tests with NRC in 2023.
- NRC will coordinate with AEC on observation of an NPP exercise in the United States that includes the local government
- AEC will invite NRC to observe the 2023 emergency exercise at the Kuosheng NPP if feasible. While in Taiwan, NRC experts may be able to participate in technical exchanges on specific topics such as exercise planning, cyber security, and nuclear security.

Approved :



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Date: November 30, 2022



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Date: November 30, 2022