

## Discussion Summary of Working Group IV Emergency Management

TECRO-AIT Meeting of Joint Standing Committee on Civil Nuclear Cooperation  
December 4-6, 2023

Number of items discussed	6
Closed items/ New items/ Moved items	0
Number of working items after the meeting	6

### Presentation

1. Application of the CALPUFF Model in Emergency Response Assessment for Radiological Events in Metropolitan area (TECRO)

### Commitments

#### - **AE-DE-F27, "Emergency Management"**

1. NSC requests the opportunity to observe radiological emergency exercises conducted in the USA. NIPC will explore the possibility of inviting NSC to Cobalt Magnet or other relevant exercises in the near future.
2. NSC requests the opportunity to attend the in-person CTOS course. NIPC will examine the possibility of inviting NSC and other local law enforcement officers and first responders to participate in an in-person CTOS and/or WIRED course.
3. DOE/NNSA will continue ongoing discussion with NSC focusing on best practices for an effective response to a radiological dispersal device. NIPC will examine options for a follow-up TTX to the RDIT training with a potential scenario on smuggling of RDD.

#### - **AE-DE-F28, "Atmospheric Plume Modeling"**

4. NSC welcomes further cooperation and advanced training on atmospheric plume modelling. NIPC will review the Application of the CALPUFF Model in Emergency Presentation and provide feedback and explore contacts for future collaboration

#### - **AE-DE-F37, "Emergency Assistance"**

5. NSC's Nuclear Safety Duty Center will continue to make communication tests through fax and email with DOE/NNSA's Forrestal Watch Office every six months.

#### - **AE-DE-F38, "Aerial and Other Detection Techniques"**

6. NSC welcomes further cooperation and will participate in any related international trainings and workshops. NSC will share

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information and experience about UAV applied to aerial radiation measurement and feedback on AVID software during international workshops or the next JSCCNC meeting.

### - AE-DE-F39, "Nuclear Forensics Initiative"

7. NSC welcomes further cooperation and training in the field of Nuclear Forensics Investigation.
8. NSC/RMC proposes NSDD hold a Forensic Investigation workshop for Taiwan focusing on laboratory analysis in 2024.
9. NSC plans to consult NSDD to develop SOP related to radiological crime scene management, with a focus on interagency protocols and procedures relevant to evidence collection and transportation of MORC (Materials Outside of Regulatory Control) to laboratory for analysis.
10. NSC will complete a draft SOP prior to the TTX referenced under item AE-DE-F27 for Emergency Management.
11. NSDD acknowledges NSC's requests and will examine options for further collaboration.

### - RM-DE-EE8, "Information Exchange on Megaports Initiative"

12. NSC welcomes further cooperation and advanced training about advanced inspection techniques.

NSC will continue to jointly engage in activities with DOE/NNSA to strengthen emergency management and response to radiological emergency.

Approved:



June-Yuan Huang

TECRO Representative

Date: Dec. 5, 2023



Mart Stewart-Smith

AIT Representative

Date: 12/5/23