



**ICT Virtual Organization of ASEAN Institutes and
NICT
(ASEAN IVO)**

Appendix 5.2

**[Cyber to Real World Integrated Testbed for Dam Safety Management
and Water Governance System]
[Traveling to Field Test Sites]
Report Form**

I. Proposer:

Name:	Mr. Kanokvate Tungpimolrut
Position:	Research fellow
Institution:	National Electronics and Computer Technology Center (NECTEC)

II. Objective:

1. To discuss with representatives of Ubol Ratana Dam, Chulabhorn Dam, and Huai Kum Dam the most suitable locations for installing the Universal Terminal Unit (UTU) with all sensors at each dam, and to observe and assess the surrounding environment.
2. To install the UTU with all sensors at each dam and calibrate the accuracy of data storage on the server.

III. Schedule:

Date	Location	Work	Person in charge
17 Feb 2026	Ubolratana dam	Tasks related to Objectives No.1, and 2	All participants listed
18 Feb 2026	Chulabhorn dam and Huai Kum dam	Tasks related to Objectives No.1, and 2	All participants listed

IV. Participants:

No.	Name	Organization
1	Mr. Kanokvate Tungpimolrut	NECTEC
2	Mr. Kumpee Suksomboon	NECTEC
3	Mr. Jirayut Phontip	NECTEC
4	Mr. Arnan Jomtarax	NECTEC
5	Mr. Seubsuang Kachapornkul	NECTEC
6	The representativess of EGAT	EGAT

V. Summary of the activities corresponding to the objectives

1. Based on discussions with the representatives of each dam, the Universal Terminal Unit, equipped with all required sensors and designed as a self-sustaining and portable system, should be installed in front of the existing cement housing of the Remote Terminal Unit, where there is an open space with a cement foundation.
2. The completed Universal Terminal Unit, with all sensors installed, should be firmly secured to the cement foundation using steel screws to ensure continuous operation in outdoor environments, including strong winds, rain, and thunderstorms. After installation, the correctness of all collected data was checked and calibrated.

VI. Others



