

IBPSA Project 2: BOPTEST
Task 3 Emulator development
Virtual Progress Meeting
2/04/2025
7:00 AM –8:00 AM U.S. Pacific Time

Participation

	Name	Affiliation
1	David Blum	LBNL
1	Ettore Zanetti	
1	Harald	Sintef
1	Iago	Cupeiro Sinte
1	Matthias	DTU
1	Javier	Wedoco
1	Guowen Li	Texas A&M

Minutes:

Current Emulator developments

- Large Office [Yan, Xing] –

No news. Need 2025 budget to start working on it again. Ettore tried to take a look at $t = 0$ initialization error. Model runs smoothly in Dymola, FMU did not run when imported into Dymola environment.

- ADRENALIN Emulators and general update [Harald] – [competition](#) over.

Harald made PR to [Issue702](#). David is reviewing.

- DOPTEST

[Javier] Waiting until refactor of main repo finished, and then get back to KPIs Disaggregation PR and other issues around DOPTEST workflows development and integration.

[Cas] YARDS (Yet Another Residential District Simulator) not using Open Modelica anymore, instead using Dymola. Dymola reset method in FMUs not working properly. They are going to make it open source soon with different models and KPIs.

- Twozone Apartment Hydronic [Ettore]

No updates. Two Zone Model should be updated with DER and Storage.

- DTU emulators [Matthias]

They are currently working on the test cases. Very likely not ready before the BS2025 paper submission.

- ETS emulator [Kun]

No updates. Ettore to ask for updates.

Comments on BS2025 paper outline

- Ettore to finalize first draft
- Iago may provide data for Control use example (both for multi layer use (supervisory vs lo level) and conversion from NLP to integer using thresholds