

PSS®E Update - WECC Modeling and Validation Subcommittee Meeting Sept. 26-28, 2023

PSS®E – Recent and upcoming releases

Current release

- PSS®E 35.6 July 2023 (maintenance mode)
- PSS®E 34.9.6 .August 2023 (end of life)

Upcoming Releases

- PSS®E 35.6.1 September 2023 (released))
- PSS®E 36.0 November 2023 (Planned as early as)

PSS®E Steady State & Dynamics Enhancements

Dynamic Load Modularization Status Update:

- Released with 35.6

New Dynamic Models :

- REEC_E, REPC_D – has been developed and is currently being tested

PSS®E v36 Key Features

Version Independent User Defined Modeling (UDM):

- Highlight of v36 will be Version Independent dll for User Defined Models (model dll created for v36 would be usable for all future versions of PSS®E without the need for creating the dll again for use in v37 and beyond)

Steady State Enhancements:

- Bypass option is added for branch records
- Each device (machine/load/fixed shunt/switched shunt/induction machine) can have a name up to 40 characters or blank. If not blank, it must be unique within the devices in the same type.
- A load type table will be added. Each load type has a unique name of 12-characters and description of 72-characters.
- Loads can be assigned to a load type or None, and the loads can be grouped by a load type.
- Interface flow models will be added. An interface flow model consists of branches/transformers/loads/generators etc.

Thank you!

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