

PSS®E Update - WECC Modeling and  
Validation Subcommittee Meeting Jan. 28-  
30, 2026

# PSS®E – Recent and upcoming releases

## End of Life

- PSS®E 35.6.4 November 2024 (end of life)
- PSS®E 34.9.6 August 2023 (end of life)

## Current release

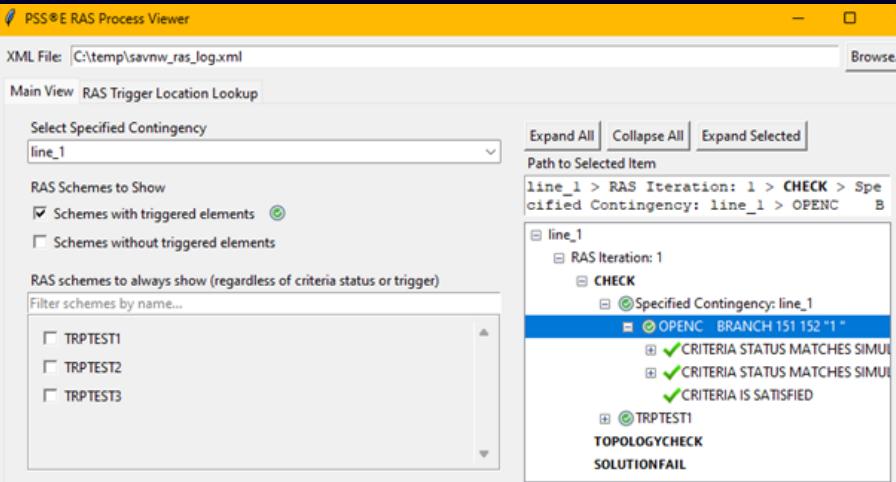
- PSS®E 36.4 November 2025

## Upcoming Releases

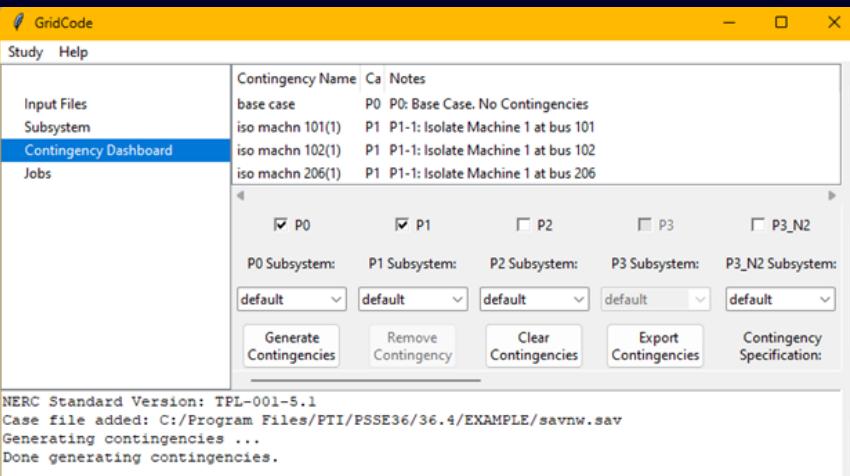
- PSS®E 36.5 February 2026
- PSS®E 37.0 July 2026 (planned as early as)

# PSS®E 36.4

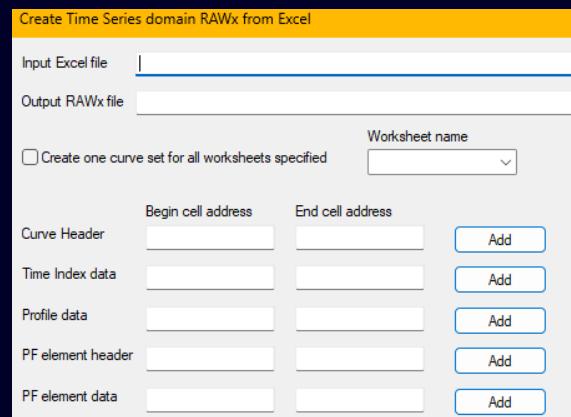
- RAS Viewer**  
Remedial Action Schemes with an intuitive workflow representation for improved user experience.
- Automated Grid Code Assessment Module**  
Now available: A turnkey solution for NERC TPL-001 analysis—automatically create contingencies and post-process results with ease.
- Time Series Power Flow and Short Circuit Enhancements**  
Get started with the modules quickly with ready-to-use example files and perform short-circuit calculations for renewables with extended modeling options.
- Dynamic Models Library Updates**  
Hybrid Grid Forming IBR models (REGFMC1 & REPCGFMC1).



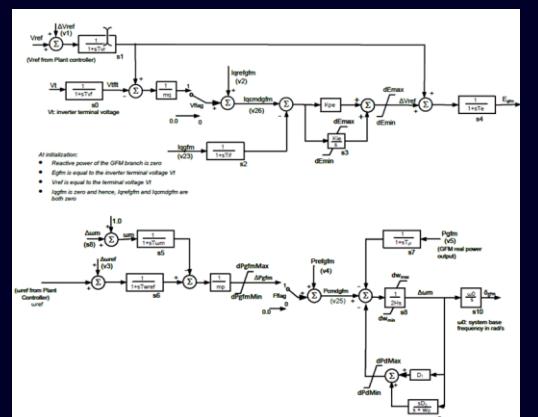
PSS®E RAS Process Viewer  
Main View: RAS Trigger Location Lookup  
Select Specified Contingency: line\_1  
RAS Schemes to Show:  
 Schemes with triggered elements  
 Schemes without triggered elements  
RAS schemes to always show (regardless of criteria status or trigger)  
Filter schemes by name...  
 TRPTEST1  
 TRPTEST2  
 TRPTEST3



GridCode  
Study Help  
Contingency Name Ca Notes  
base case P0 P0: Base Case. No Contingencies  
iso machn 101(1) P1 P1-1: Isolate Machine 1 at bus 101  
iso machn 102(1) P1 P1-1: Isolate Machine 1 at bus 102  
iso machn 206(1) P1 P1-1: Isolate Machine 1 at bus 206  
Jobs  
P0 P1 P2 P3 P3\_N2  
P0 Subsystem: P1 Subsystem: P2 Subsystem: P3 Subsystem: P3\_N2 Subsystem:  
default default default default default  
Generate Contingencies Remove Contingency Clear Contingencies Export Contingencies Contingency Specification:  
NERC Standard Version: TPL-001-5.1  
Case file added: C:/Program Files/PTI/PSSE36/36.4/EXAMPLE/savnw.sav  
Generating contingencies ...  
Done generating contingencies.



Create Time Series domain RAWx from Excel  
Input Excel file: \_\_\_\_\_  
Output RAWx file: \_\_\_\_\_  
Worksheet name: \_\_\_\_\_  
 Create one curve set for all worksheets specified  
Curve Header: \_\_\_\_\_  
Begin cell address: \_\_\_\_\_ Add: \_\_\_\_\_  
Time Index data: \_\_\_\_\_ Add: \_\_\_\_\_  
Profile data: \_\_\_\_\_ Add: \_\_\_\_\_  
PF element header: \_\_\_\_\_ Add: \_\_\_\_\_  
PF element data: \_\_\_\_\_ Add: \_\_\_\_\_



# PSS®E Enhancements

## Power Flow Engine:

- Modeling of multi-terminal hybrid HVDC systems

## Dynamics Engine:

- Additional new APIs for use in Version Independent (VINDP) User Defined Models
- V37 Support for applying component models on “LoadType” basis – currently in tests

## Dynamic Models:

- VHVD2 with changes as discussed on August 13, 2025 – under testing
- Synchronous Generator model GENQEJ
- Large Load Model (PERCxx1) – xx could be BL/OW/ZN/AR/AL – in 36.5

**Thank you!**

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