General Information

This update can exclusively be used for the **PSS®SINCAL Platform 22.0**, not for other product versions!

Procedure for Installation

- Close all running PSS SINCAL Platform applications.
- Decompress the Zip archive.
- Start the installation using AutoRun.exe or Sincal\SincalSetup.exe. The setup automatically detects the existing PSS SINCAL Platform installation and updates all components.

If you have any questions, please contact **PSS SINCAL Platform Support** (fon +43 699 12364435, e-mail sincal.support.it@siemens.com).

Additions/Corrections Update 3 (January 30, 2026)

This update contains all the additions of the previous updates and on top of that the following error corrections and additions.

PSS SINCAL User Interface

- Dialog box for Measurement Data and Load
  Improved display in the dialog box for values with the input format “Pi and Qi.”

PSS SINCAL Electrical Networks

- Harmonics (OB)
  An error in the generation of harmonic diagrams with node level values has been corrected. The appropriate value corresponding to the node results was not always stored in the signal database.
- Dynamics (ST, EMT)
  Correction of an error in the identification of the signal output of all machine variables of an ASM, which resulted in the signals not being correctly available in the signal browser.
- PDM Import
  Import master resources when new protection devices are created in the network model.

PSS SINCAL Pipe Networks

- Pressure-dependent Consumption Reduction
  Improvement of pressure-dependent pressure consumption reduction in poorly converging networks.

Additions/Corrections Update 2 (December 22, 2025)

This update contains all the additions of the previous updates and on top of that the following error

corrections and additions.

PSS SINCAL User Interface

- PSS NETOMAC Log Result View
  Correction of a program crash when a line in the LOG exceeded the length of 256 characters.
- Include Network Models
  An error when synchronizing results in open Include network models has been corrected. This could cause active evaluations to lead to a program crash if the database was still locked.
- Network State
  An error when importing a network state XML file with MRID identification has been corrected. This caused network elements to be identified incorrectly and no data to be transferred.
- Highlight
  Improved highlighting of transformers when only the terminals are highlighted.
- Evaluations
  Correction of an error in the feeder evaluation, which meant that the name was not updated and an old, incorrect name was displayed in the evaluation list.

PSS SINCAL Electrical Networks

- Load Assignment (LA)
  The power flow calculation using the "Unbalanced (MGN)" and "Flat Start" methods in combination with operating points and control elements in the network could lead to errors. This problem has been fixed.
- Distance Protection Devices
  The final times for impedance pickup have been added back.
  - No final times:
    SIPROTEC 4, SIPROTEC 5, EASERGY P3, MiCOM P44x;
  - Final times divided by current pickup:
    MiCOM P43x, PD532, PD551, PD552, SPRECON, SIPROTEC 3, REL670/RED670, REF630;
  - All other types of protection devices have their own final times for phase and ground.
- Distance Protection Devices
  If the final time is 0.0 s but a proper time has been entered, the protection device has triggered incorrectly with the end time instead of the stages.
- Switch
  A problem with the processing of switching actions has been fixed. If switches with individual phases had switched off all phases, they could not be switched back on again. This could occur, for example, during contingency analysis or resupply.
- Protection Documentation
  Correction of an error in the layout of the network graphic in the protection documentation, which meant that the set length was no longer used for branch elements.
- Resupply with Feeder Tracing
  The feeder tracing in the re-supply module is incorrect. Now, the calculation module determines

the same feeders as in the user interface.

- Thermal Destruction Analysis (TDA)
  Nodes with ipmax > 0.0 were included in the analysis, even if Ik"max was 0.0.
- Network Stress Test (NST)
  Correction of an incorrect error message when starting the calculation module.
- Static Network Reduction (NR)
  When static network reduction was performed with logging enabled, false errors were logged. However, these had no impact on the result.

Additions/Corrections Update 1 (November 28, 2025)

This update contains the following error corrections and additions.

PSS SINCAL User Interface

- Geographical Positions at Nodes
  Correction of an error when saving the automatically determined geographical position (latitude and longitude) for newly created nodes.
- Routes
  Correction of an error in the length calculation for the Route element.
- Tabular View
  - Correction of a captioning problem with some attributes in external databases (e.g., ResultElement_ID).
  - Correction of an error, which sometimes caused all fields to be displayed as read-only.
- Print
  Correction of an error when printing highlights. These were displayed in a reduced size in the upper left corner of the printout.
- Excel Import
  Enhancement of the import function to also support the old XLSX format, in which texts (strings) are stored in a different form.
- Fit In
  Correction of an error when opening the Fit In dialog box, which meant that some of the controls for defining the reference coordinates were only activated by changing the selection in Projection.
- Evaluation
  Correction of an error in the resupply evaluation in combination with the highlight option. The colors were not correctly assigned to the resupply results.

PSS SINCAL Electrical Networks

- Line
  Correction of an error when updating the type when using line segments.
- Power Flow (PF)

Correction of an error when applying the coincidence factor to feeder-based areas and when using the substation model.

- Load Assignment (LA)
  Correction of an error when applying symmetrical or single-phase results as input data (factor), which caused the input format to switch to Pi/Qi instead of storing the values using the factors fP and fQ.
- Load Balancing (LB)
  An error in the calculation module has been corrected, which caused the PI equivalent circuits of network elements to be partially incorrect, which could lead to suboptimal results.
- Time Series (LP)
  Correction of an error in time series calculation in connection with Newton-Raphson power flow and the load factor.
- Protection Routes
  Correction of an error in the display of zone details for multiple selections in the result browser. Previously, the tripping time of the zone from the first device was displayed. However, this can vary from device to device and should therefore not be displayed.
- Setting Value Calculation (DI)
  Correction of error E 3370 in the distance protection setting value calculation.
- Distance Protection Devices
  New operating modes for UI pickup are now available for the SIP4, SIP5, SPRECON, and Schneider P43x series of protective devices.
- Arc Flash (AFH)
  Fixed a bug that occurred when protection devices were installed directly on network elements such as serial reactors.
- Dynamic Simulation (ST/EMT)
  - The generation of the NET file has been adjusted: If the line simulation is used with the H model (homogeneous line) without all the necessary requirements being met, a standard line is now generated automatically.
  - Machine Controller
    Automatic definition of the variable #MBASE before calling the machine controller with the rated power of the machine.
- CIM Import
  Correction of an incorrectness when importing CIM files with a geographic view. The projection in the current view was always set to "Generic" instead of "WebMercator".

PSS SINCAL Automation

- Calculation Methods
  Correction of an error when retrieving calculation results via the API. Depending on the table and query, no matching results were returned.

PSS NETOMAC

- Graphical Model Editor (GMB)

Correction of incorrect help link when editing blocks in the Parameter dialog boxes.