

ASPEN DistriView™

Version 9.6 Update

Please find enclosed the program CD for ASPEN DistriView™ version 9.6. In this maintenance release we added several new features and fixed all the known bugs to date.

You can use the enclosed CD to update an existing installation or to make a new installation.

Please write (support@aspeninc.com in English or soporte@aspeninc.com in Spanish or Portuguese) or call (650-347-3997) us if you have questions.

Improvements and new features in DistriView v9.6

- We eliminated the “study extent” parameter for stepped event-simulations. Stepped event simulations in v9.6 always take into account *all* the protective devices in the feeder, no matter how far they are from the fault. In addition to the S_Ckt | Stepped Events Analysis command, this change affected the S_Ckt | Arc Flash Hazard Calculator command, and the S_Ckt | Voltage Sag Analysis | Run Batch commands that asked for the “Study Extent” datum.
- We sped up the S_Ckt | Voltage Sag Analysis | Run Batch command by a factor of 5 when the clearing time in the report is computed from a stepped-event simulation.
- We modified the read-OneLiner-file logic to read the I2T rating of lines and the interrupt time of reclosers from an OneLiner v12 file.

Bug fixes since Version 9.5

- The system base MVA in a DVT file could be altered inadvertently by these steps: Execute the Add Transformer Damage Curve command and select the Manual option. Then press the "Get Data from a Transformer" button, type in or select a value in MVA rating combo box and press the OK button.
- The generator short circuit current shown in the one-line diagram did not agree with the current flowing into the adjacent branch. This problem happens only if you are using the "Start from a full, non-linear voltage-drop solution" prefault voltage option, and the generator is set to generate a fixed amount of kW and kVAR.
- The Phasor Probe was not showing the phase current from a synchronous generator.
- The Phasor Probe, when used on a voltage-drop solution, showed transformer neutral currents and circulating currents that were too small, by a factor of 3.
- The Phasor Probe's shortcut (<Ctrl> plus double-click on a network object) did not work for a voltage-drop solution.
- The undo command did not work properly for a transformer when the steps being undone include Swap Sides.

- DistriView did not shift the transformer damage curve correctly when (1) the linked relay did not operate and (2) the automatic horizontal shift-curve option is in effect. In v9.6, the damage curve disappears (with the relay curve) when this happens.
- There were several problems in the handling of CCOC curves in the Overcurrent Relays Window: (1) the Remove Curve command in the popup menu did not work. (2) There were errors in the logic for graying out unavailable menu items in the popup menus. (3) There were problems in saving and reading curve collections that contain CCOC curves.
- There were several problems with the transformer damage curve feature: (1) The damage curve was not shifted properly in some cases when the curve was linked to relay on the delta side of a wye-delta transformer. (2) The inrush curve was not drawn at the correct position when it is for a device on the delta winding. We fixed the inrush-curve problem by adding a 'Nominal kV' field and a 'Shift factor' field under the manual option.