SPIDA®CALC V2026 RELEASE NOTES

SEPT 2026

THIS RELEASE INTRODUCES LEAD ANALYSIS FOR MODELING THE EFFECTS OF NEIGHBORING STRUCTURES, EXPANDS SIDED POLE ANALYSIS, AND DELIVERS A RANGE OF USABILITY ENHANCEMENTS AND DEFECT FIXES ACROSS SPIDACALC AND SPIDASILK.

FEATURES & ENHANCEMENTS

ANALYSIS AND ENGINEERING DESIGN

- Lead Analysis: SPIDAcalc can now account for the effect of neighboring structures when analyzing a pole. Rather than analyzing each location in isolation, SPIDAcalc models the nearest connected poles as flexible, realistic structures – extending several spans in each direction – so that load sharing and deflection from adjacent poles, span guys, and connected spans are reflected in the analysis of the current structure. See the "Lead Analysis User Guide" for full documentation on this feature set.
    - A new lead analysis option has been added to the load case settings in the detailed analysis view and in project and design settings, allowing users to enable neighbor modeling on a per-load-case basis.
    - Lead analysis applies only to co-rotational load cases with "Update Tensions Based on Displacement" enabled, and only where structures are connected in the project by a wire or span guy. An isolated pole with no connections behaves exactly as it did in previous versions.
- Sided Pole Stress Evaluation: Bending stress for sided poles is now evaluated at multiple section corner points to identify the true maximum stress, rather than at a single reference point. Pole orientation is now tracked consistently through the analysis engine for all sided pole shapes. See the "Sided Poles User Guide" for full documentation on sided pole analysis within SPIDAcalc.
- Wind Pressure Alignment (SPIDAsilk): The wind pressure methodology in SPIDAsilk has been updated to align with SPIDAcalc for CSA max wind load cases. SPIDAsilk now has the option to calculate wind pressure at the actual wire attachment height using the 10-minute mean wind speed formula. This additional wind calculation was already available in SPIDAcalc through the CSA Maximum Wind load cases and is now an option in SPIDAsilk under the 'Additional Load' column.

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Graphic and Analysis Views

- Neighboring poles that are part of a lead analysis structure group are now drawn in the 3D graphic view, providing visual context for the modeled structures. Rendering is limited to the connected "web" of structures for performance.
- The 3D analysis summary view now includes the neighboring structures that were part of the analyzed structure group when lead analysis is used.

Editing and Workflow

- Multiple locations can now be selected for bulk load case updates. When several designs are selected in the project panel, load cases can be added to or removed from all of the selected designs at once.
- The single-wire Disconnect Wire control has been moved into the Component Properties panel for consistency with the multi-wire workflow, and multiple wires that have been disconnected can now be reconnected together.
- Decimals and periods are now permitted in lead, location, and design labels.
- The last selected wire end point (WEP) in Profile View is now remembered as you move between designs and locations.

Data Imports and Exports

- The Pole CSV export now respects the selected UTM coordinate system preference.
- A URL field has been added to project forms, with validation, for use when uploading or saving projects to SPIDAstudio.
- A warning is now provided when a UTM coordinate is invalid while creating a new project from CSV, rather than silently ignoring the coordinate.

SPIDAsilk

- Load case configurations can now be saved using separate Save and Save As… options. Custom load cases can be updated in place, while the default load cases are protected from being overwritten.
- General improvements have been made to the Weather Case window for more consistent saving of weather case configurations.

Security Updates

- Where feasible, removed old unused dependencies, updated existing software dependencies to latest versions, and resolved various known vulnerabilities.

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Defect Fixes

Analysis

- Resolved cases on certain framing assemblies where primary wires or support guys could cross without an accompanying analysis warning after changing the assembly.

Reports

- Resolved an issue that caused images to be missing from generated reports.
- Resolved an issue that prevented the Project Design Comparison Report from generating.
- Reports no longer fail to generate when a load case's analyzed components do not include the pole.
- Project Detail reports no longer fail to generate when wire-mounted equipment is present in the design.

Client Editor

- Improved handling and error messaging when an equipment type has been removed from a client file. SPIDAcalc now identifies the affected equipment and offers to map it to existing client equipment rather than preventing the project from opening.
- Switching an equipment type from Riser to Wire Mounted now correctly updates the associated property fields.
- Resolved an issue that caused client file structure exports to fail when a structure name contained parentheses.
- Resolved an issue that produced invalid v7.2 exchange files.
- Custom equipment types are now included under Clearance Groups > Equipment.

Project Forms

- Resolved a crash that could occur when using radio buttons inside a form table.
- Resolved a NullPointerException that could occur when selecting inside a form table.
- Form field entries for forms included by default in New Project Settings are now saved correctly.
- Resolved an issue that allowed blank or duplicate table entries to be added for form fields containing tables.

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Graphic, Map, and 3D Views

- Resolved issues where the project preview and map preview did not display when selecting a project in the Open SPIDAstudio Project dialog.
- Resolved issues where the Map view and stations did not load.
- Damages are now displayed consistently on all poles in 3D view without needing to be resized.
- Resolved text cutoff for the double insulator option in the assembly popup.
- Resolved an issue that prevented swiping on a tablet when using the wire/owner dropdown.
- The map ruler readout is no longer partially obscured by the zoom level indicator.
- The 3D Analysis Summary view now updates reliably as different analysis results are selected in results viewer.
- Resolved an issue where the radar chart did not connect the final data point back to the first.

General

- Improvements were made to the autosave and project recovery process to better prevent data loss when SPIDAcalc closes unexpectedly.
- Resolved spurious errors when a project could not be opened, and projects saved with a pending analysis can once again be reopened; an invalid pending analysis now produces a warning rather than preventing the project from opening.
- Improved the accuracy of the completion/progress bar.
- Midspan pole placement now warns the user when the terrain is too steep instead of placing the pole incorrectly.
- Moving leads or single/multiple poles to the very bottom of the project tree now works as expected.
- Clearance case values now save when pressing Enter.
- Restored missing text in the Overwrite Load Configuration dialog.
- Wire state changes made from a saved weather configuration in Profile View now update and persist correctly.
- Resolved various launch and connectivity issues, including connection client detection on install, a launcher hang on the splash screen, a blank window after uninstall and reinstall, authentication to map/analysis/Studio services, and SPIDAsilk failing to start.
- Various other minor bug fixes and upgrades to dependencies.

Restrictions

- SPIDAcalc client files and project files created in v2026 may not be compatible with older versions of SPIDAcalc.

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CAVEATS

- Opening a client file or project file from a previous version of SPIDAcalc may take longer the first time it is opened as it is converted to the new file format.
- Importing designs from a project saved in a previous version may take longer as it is being converted to the new file format.
- Client files converted from previous versions should be reviewed to verify that all settings and values appear as expected. New features added to the *Client Editor* should be reviewed and implemented according to internal practices.

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