

Release Notes

O-Calc[®] Pro Line Design 6.02

Release Version: 6.02 Revision 21213

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About Release Notes

This document is intended to present a summary of changes since the previously released version of this product (version 6.01). It identifies new features and functions as well as changes to existing features and functions. It alerts users to changes that may alter the use of the product and may require particular attention or specific actions.

For details about changed features and functions, users are referred to the product user guide and other documentation that is installed along with the software. The references section of this document identifies documents installed with the product.

New/Changed Features – O-Calc Pro executable

- **User Interface Updates**
 - The “Collapse” button has been moved to the left side in the Catalog Tool Bar.
 - The “Collapse” and “Expand” buttons have been moved to the left side in the Inventory Tool Bar.
 - The previous “Heads Up Display” compass in the 3D View has been replaced by the “R” and “B” buttons, to allow a Reset or Birdseye view of the 3D View area.
 - The new “Heads Up Display” also includes a button between the “R” and “B” buttons which is a shortcut to View > 3D View and Save 3D View To...
- **New features**
 - Alternate camera controls
 - Added a new 3D View Camera Controls. The new “Alternate Control Scheme” feature is added in the main menu under Options> Options in 3D View > Camera > Use Alternate Control Scheme.
 - The new “Mouse Tracking Rates” feature has been added to the main menu under Options > Options in 3D View > Camera > Mouse Tracking Rates.
 - Attachment Height
 - An expanded pop-up menu has been added for entering the Height of an object, it now includes the “Set at (stated value)”, or “Edit Height”, or “Cancel” options.
 - Display Bundle Diameter
 - Bundle diameter of a communication bundle is now displayed in the description information of the messenger wire.
 - Gang Editor
 - Gang Editor feature now includes at Rotate All option.

- Guy Wire Pre-tensioning
 - Added the ability to pretension guys to a desired value before environmental loads are applied.
- Jumper
 - Jumper capability has been added for a “single” (pplx) pole model, previously only possible in a Line Design file.
- Line Design
 - “Options” menu has been modified to display the new cascading menu options; Rendering, Editing, Storage, User Interface Options, Map Zoom Rate.
 - Added new feature that allows “Walk Linked Guys” and “Set Allowed Hops”
- Mid Span Connection Points
 - Span to span attachments (e.g. "Flying Dutchmen") for communication bundles that connects at mid span now connects to a using Flying Joint feature.
- Pole Spacing
 - The Pole Spacing filter persists when navigating to another pole in the Line Design. Any newly opened .ppllc file will retain the selected percentage of Spacing.
- Recalculate Sag
 - New “Recalculate Sag” option has been added to the “Edit” menu.
- Split & Jumper in Inventory Menu
 - Split and jumper added to the inventory menu options so it can be performed in bulk and can be performed for multiple insulators.
- Stringing Features: Prompt when assembly cannot be strung from catalog
 - Added user prompt when assembly cannot be strung from catalog.
- Tension to Sag table
 - Added a tension table option for tension to sag mode
- Total Elevation
 - The end drop/rise field shows the total delta height of the linked span in the Data Entry Panel.
- View Anchor Data of Linked Spans
 - Once Span Guys are linked, length and bearing now shows in the Data Entry Panel.
- Undo feature
 - Added function to undo “Add Drops” feature in line design.
- 3D View filter
 - The “All Types” 3D View filter has been expanded to include new options for viewing Span Types such as; ALL ON, ALL OFF, and check boxes to Reset on Pole Change, and toggle on/off each type of span.
- **Documentation Update**
 - O-Calc Pro Line Design User Guide has been updated.
 - O-Calc Pro User Guide has been updated.
- **New Plugins**
 - Sidewalk Guy Allowable Strut Load Calculations

- New plugin will calculate the Allowable Strut Load (lbs) attribute of a Sidewalk GuyBrace when the Strut Length or Strut Diameter attributes are changed
- OV_Gallery
 - The OV_Gallery changes made in O-Calc internal version has been integrated into public release version
- **Defect Corrections**
 - Active Version not remembered on opening Tools
 - Fixed bug where if a user open tension sag calculator on PPLX with multiple pole versions the active version will be set to first pole on closing the tool instead of the active version the user chose.
 - Batch Reporting tool creating duplicate/missing reports
 - Fixed bug where when creating batch reports, some reports were being duplicated causing others to be missing.
 - Calculation "Donuts" drawing error
 - Fixed bug where the calculation donuts appear at the active groundline elevation for all inactive poles. This was causing the objects to draw too high or low on inactive poles.
 - DMT Error with certain Images
 - Fixed bug where when certain images are loaded, DMT encounters and Out of Memory error. In Debug mode this results in an uncaught exception that causes O-Calc to shut down.
 - Fixed bug when the DMT has drawing errors that cause it to display incorrectly when zooming in/out.
 - Exporting Overhead View Exports Profile Chart
 - Fixed defect where if a user tried to save the overhead view using the export button, the profile chart will instead be saved/exported.
 - Jumper Side Option Mislabeled
 - Fixed mislabels on Jumper Side Option.
 - Jumper Curb has been changed to Jumper Field
 - Multipole Structure: Disappearing span when linking spans on
 - Fixed defect where link span option was present on active multipole structure's spans this was an illegal operation and was removed.
 - Multipole structure: span jumper not attaching to the proper location
 - Fixed defect on a multipole structure when trying to jumper a span on a pole to a span on a crossarm the jumper wire does not attach to the proper location. Jumper wire now attaches to the proper location.
 - Multipole structure: Stringing assembly not working past the first pole
 - Fixed defect where when trying to create a new line design using a multipole structure as a template/seed pole, the line design will only show the first pole as the multipole structure and the rest of the line design as a single pole items with no attachments and not stringed.
 - Multipole structure: Wrong pole being manipulated
 - Fixed defect where only the active pole was being manipulated and not the selected pole for Set Length and Depth from pop up menu. Right

clicking on the pole being manipulated in the 3D view or from the Inventory showed the pole intended for manipulation in the pop-up menu, but the changes was only be applied to the active pole.

- NESC Load Case Typo
 - The 2017 NESC Standard Load Case parameter now correctly reads 2017 NESC.
- Stringing Features: Insulator switching sides/angle on last pole
 - Fixed defect where stringed insulator switching sides/angle on last pole in the line design.
- Stringing Features: Post inside the pole
 - Fixed defect where when changing pin to a post through the “Convert to Post” prompt, the post was inside the pole. The post now attaches to the proper location.
- Stringing Features: Post off set from the pole
 - Fixed defect where when string pin from crossarm, changed to post through the Convert to Post prompt, the post is offset from the pole.
- Stringing Features: Suspension insulator changing attachment angle/side
 - Fixed defect where stringed suspension insulator changing attachment angle/side.
- Stringing Features: Crossarm height setting incorrectly/all on same height
 - Fixed defect where when stringing a full pole assembly that contains multiple crossarms, the crossarms are being placed all at the same height.

Product Support Contact Information

On the Web: <http://www.O-CalcPro.com>

Email Support: technicalsupport@osmose.com

Phone Support: 1-716-319-3747

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