ASPEN Line Database Program
Version 3.2 Release

ASPEN is pleased to release ASPEN Line Database™ version 3.2. This major version release contains brand new features and fixes for all known bugs to date.

Run the LineDBV3.2Setup.exe from ASPEN download portal to update Line Database version 3.2 on your computer, or to install the program on new PCs.

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

New Features in the Line Database Enterprise Version 3.2

- **Oracle or the MS SQL server database server support**: instead of sharing an .ALD file, users of the Line Database Enterprise version can now to choose to store line data in an Oracle or the MS SQL database server. This data storage configuration provides a more secure, reliable, and efficient enterprise environment.

- **New export to ALD file and Import from ALD file commands**: These commands allow users to export selected transmission lines, overhead constructions, conductors, cables, etc., to an .ALD file, and to import these objects from an ALD file.

  Users can use these commands to transfer line data from one database to another, using an ALD file as a medium. For example a company can use the "Export to ALD" to export all the available constructions, conductors and cables library to an ALD database and send it to a consultant to build new transmission line models. The consultant can return the updated ALD file, and the "Import from ALD" command will import all the newly added lines and objects to the main database.

- **Restore from ALD command**: this command allows the user to restore the entire ALD database to a database instance in the Oracle or MS SQL database server. This tool can be used to restore the data from the existing ALD database to a newly created database instance in the database server.

Bug fixes between versions 2.8 and 3.2

- Fixed a software bug that caused the program to skip over underground line sections when user executes Recalculate Line Constants command for the selected line.

- Fixed a software bug that caused the program to display incorrect message about updating table TTAPMUTUAL when calculating line constants.

- Fixed an error in the distance calculation logic when the user zooms in/out on the structures in the current corridor.

- Improved and fixed bug in the drawing logic for structures in the cross section.

- Fixed a bug which caused the program to fail to remove the ground wires in the current structure when the user selects a new construction for this structure in the current corridor.

- Fixed a bug that caused occasional line impedance calculation failure for line sections with multiple ground wires.

- Fixed an issue in the line report header logic.
- Fixed a bug that caused an unexpected error in line constants calculation.
- Fixed a bug that caused the program to ignore some line sections that contain a ground wire and has no circuit conductor.
- Fixed a bug that caused the program to remove the ground wire from the structure when the user edits the parameters in the construction editor dialog box.
- Updated the calculation function to fix an error in display of the line capacitance units in the nodal impedance matrix report. The correct unit should be F not uF.

Instructions to Install Line Database V3.2

1. **Install the Software.** Follow the steps below to install the software on each PC:

    a. Download and save the setup to the local hard drive.

       - If you are the admin user, make sure to enable the administration function when installing the Line Database V3.2 to allow the setup to copy the administration files to the Line Database application folder.

       - Disable the administration function during the setup when installing the software on computers used by all the other users.

    b. Run the setup and follow the instruction to install the software.

    The default directory of Version 3.2 is different from that of prior versions; hence the new software will NOT overwrite your existing files by default.

2. **Update the Database:** To update your database from version 2.8 or any prior versions, execute the LDBUtilV3.exe, which the Admin Setup had copied to the Line Database V3.2 program folder:

    Detailed explanation of this step can be found in Section 2.3 of the Line Database User's manual.

    IMPORTANT NOTE:

       - This step should be done when no one is using the database.