

## **VECON 4.4**

### **Release Notes**

(Linux and Windows Version)

(Released October 12, 2018)

*VECON version 4.4 has the following new features and improvements from version 4.3:*

#### **2D Modeling and Survey Design**

- Added option to import external SPS files or P190 files to create geometry
- Added more options for scaling the wavefront snapshot generated by 2DFD
- Added option to use submit 2DFD to run on queue using Job Scheduler
- Automatically set Vp/Vs ratio to 99999 for marine projects
- Removed the limitation of 20 edits when editing the Shot Table

#### **3D Geophysical Model Building**

- Added several options for interpolating 3D velocity models when importing external segy velocity files
- Added options for specifying type of model file when converting a segy to grid model (ie. Velocity or Density or Amplitude)
- Remove the size limitation when converting external 3D velocity models from segy

#### **3D Modeling and Survey Design**

- Added option to create Rose Diagram of fold in offset vs. azimuthal sectors
- Improved ability to calculate area of polygon on 3D horizon
- Added the ability to Edit Shot Locations in a Shot Table
- Added a parameter file to be able to reload the 3DFD parameters
- Added 3D Elastic Finite Difference option for generating synthetic segy (Currently only available in the Linux version)
- Added 3D Generalized Reflection and Transmission Method (GRTM) option for generating synthetic segy, for both isotropic and anisotropic (VTI) media (Currently only available in the Linux version)

**\*\*Note:** Windows Users may need to exclude the installation folder from some antivirus software scans.