

# Tesseral Engineering Release Notes

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## 1.0.2 Minor feature release

### Improvements:

- 1) when importing user's signal from a text file both leading and tail zeros are ignored
- 2) when running simulation the previously opened panes of the same TGR file are closed so to exclude their misinterpretation as different or separate data

### Fixed Bugs:

- 3) implementation of high frequency user' signal (recorded with a small sampling) has been corrected
- 4) approximation of user' signal by Ricker or Puzirov wavelet has been corrected

## 1.0.1 Minor feature release

### Improvements:

- 1) coordinates are written in SEGY headers with 1 cm precision instead of previously used 1 m
- 2) support of high frequency signals (of 1000 Hz and higher)
- 3) the checkbox responsible for the default sampling step in the computation grid has been changed to omit the conditions when the text "100%" looks like being checked despite the entered value was different from default
- 4) source location specification in numbers by "Set Shot Position" has been improved for the cases when "Free" is non checked and sources are in fixed relative positions

### Fixed Bugs:

- 5) unexpected shift of receiver group down in the models of inter-well sounding (when "Move with source" unchecked) has been corrected
- 6) the program fail when smoothing tiny polygons has been fixed
- 7) several correction have been applied to the "Framework/Signal" dialog: in save/restore frequency, in time measurement unit selection, in re-drawing when the wavelet parameters are changed

## 1.0.0 Product release

Tesseral Engineering is a simplified and less expensive branch of Tesseral 2D. The program functionality was narrowed to seismic data modeling and the intelligent method fitting was introduced for the desired features of the model and output synthetics.

The program is designed to solve engineering seismic problems and has corresponding restrictions on the depths and the number of receivers per group. Current restrictions are the next:

- ✓ the model depth interval does not exceed 300 m;
- ✓ the number of receivers per group does not exceed 101.

