

EFC-400 Release 2019 – with new limit guidelines

Overview of the new features:

- Assistant according to 26. BImSchVVwV with comprehensive examples
- Optional choice between local character set or restrictive ANSI
- Program interface adjusted to application of multiple screens
- New limit guidelines according to EMFV 2016
- Extended libraries with new tower types

New Calculation Functions:

- When measurement data is interpolated during the import and no XYZ-components of the electric field strength or the magnetic flux density are available, the components will be set to $1/\sqrt{3}$ of the RMS-values.

Extension of Libraries:

- Four new guidelines according to EMFV 2016 are added to the limit library.

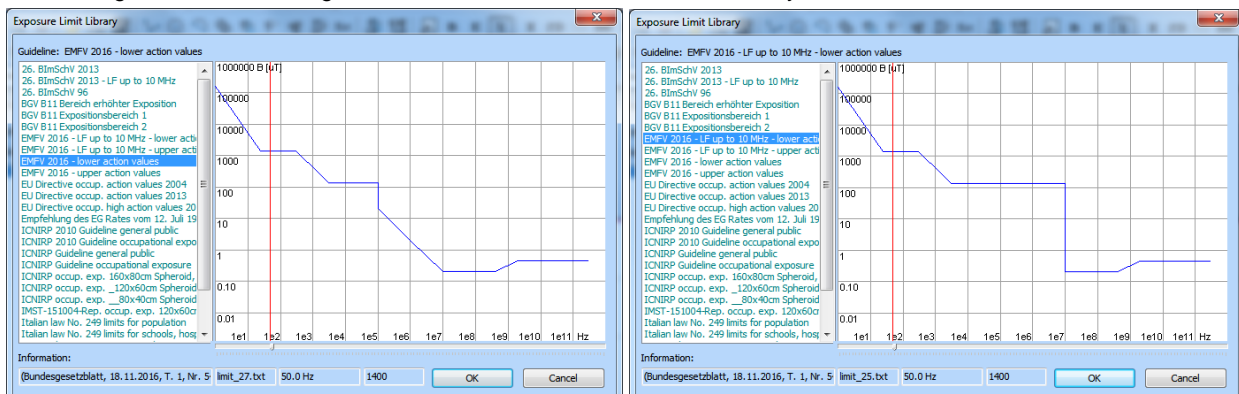


Fig.: new limit guidelines according to EMFV 2016

- New tower types can be found in the libraries under the name 'Statnett'. These towers are also available as 3ds-models.

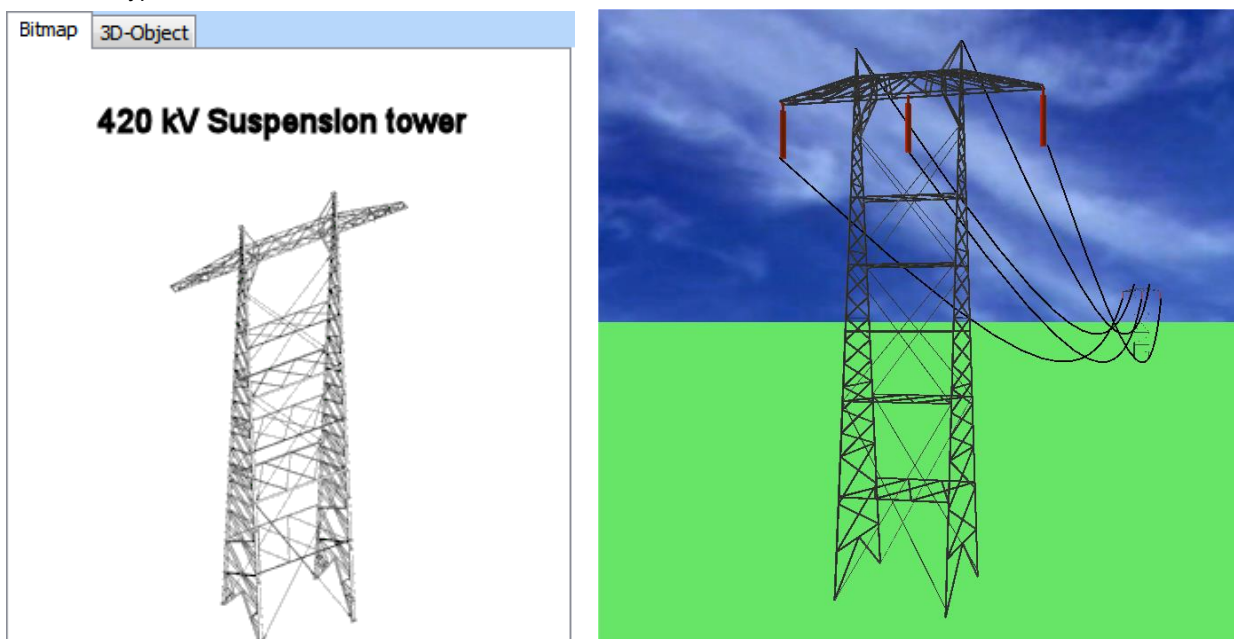


Fig.: new tower types in the library

Improved User Interface:

- A new option called 'ANSI_CharSet' was added to 'Advanced Settings | System'. This option is activated by default. After deactivation it is possible to allow non-Latin characters when naming and labelling projects.
- The font sizes for the coordinate display and the scale labelling of the axis in the construction window were adjusted for high screen resolutions. Furthermore, the font smoothing was activated.
- The program was checked and adjusted for working with multiple screens again.



Fig.: working on a project with 2 screens

General Improvements:

- As in previous releases, the hardlock drivers are up to date.
- For the optimization of high-voltage systems according to 26. BImSchV/VwV there is a new assistant which contains a detailed instruction for the most common system types such as transmission lines, AC-cables, HVDC and railway facilities. This document can be found in the directory 'EFC-400/example/ BImSchV_VwV/doc'. The examples mentioned in the assistant can be taken from 'EFC-400/example/ BImSchV_VwV'.

WinField®- Magnetic and Electric Field Calculation

Power Transmission Lines and Power Stations

Assistent 

zur 26. BImSchV/VwV



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Fig.: assistant according to 26. BImSchV/VwV

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