

New Features of CadnaA Version 2021 MR1

The list of new features offered by **CadnaA** is subdivided into the following sections:

- **CadnaA-Objects**
- Calculation/Configuration
- Further New Features
- Miscellaneous
- Bug Fixes

*The new features of **CadnaA** 2021 are in Italics.*

CadnaA-Objects

- New object: CadnaB-Building for extended transmission calculations from outside to inside and vice versa with our new software CadnaB.
- *Receiver & Building Evaluation: new button to address a directivity*
- *PLA sources, Receiver & Building Evaluation: A selected directivity is displayed in the source dialog with a tick on the "Directivity" button.*

Calculation | Configuration

- Options for CadnaB Interop: Settings regarding synchronization with CadnaB (variant, evaluation parameter, time of synchronization).
- *FTA/FRA (Railway, USA): update for FTA edition 2018*
- *configuration tab „Evaluation Parameters“: new evaluation parameter „DIN4109tot“ for the calculation of the outdoor level according to DIN 4109-2:2018-01 (Germany)*
- *option FLG, configuration tab „Aircraft“: new option in the evaluation of maximum levels „LafmaxQuer“ according to DIN 4109-2:2018-01 (considering sigma of sources)*

Further New Features

- *Pass-By: receiver with directivity selected is considered within the calculation of maximum levels*

Miscellaneous

- Consistency Check:
 - Warning if a referenced directivity has been deleted in the directivity library.
 - Warning if "Li from interior sources" refers to a sound level spectrum that has been deleted.
- Display of 1/3 octaves instead of octaves for library tables Sound Levels, Sound Reduction Indices and Absorptions.
- New attribute for building evaluations LP1_STW (floor with maximum level)

Bug Fixes

- Land use: Incorrect assignment of land use when using "empty lines" (land uses without short and long name) fixed. For a detailed description, see *Help -> Contents -> CadnaA 2021 MR1 New Features -> Link* in CadnaA.