Information on IMMI-Update 2

Version IMMI 30 [532]
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News

- City-GML-File (XML) Import - Selection of the building height to be imported:
  By default, the building heights of CityGML buildings are read in via the so-called measured height ("bldg:measuredHeight") property. Some CityGML files contain additional information in the building data, which is provided via the properties of string attributes ("gen:stringAttribute"). These additional individual attributes can now optionally be used for the building heights.

  Via the **Parameters** page, in the CityGML - Parameters area, the selection field "Building height above:" can now, in addition to the standard selection "Measured height ("bldg:measuredHeight")" now also "String attributes ("gen:stringAttribute")". can be selected. In addition, the ID of the desired string attribute must then be specified (e.g.: "HeightRoof"). The file is then searched for these string IDs and the property of this is then used for the building height.

- sonROAD18 - Road Noise Calculation in Switzerland: Display of the Q-values either for the entire road or per lane
  The columns of the Q-values were always displayed for the entire road. Now the user can optionally switch to **per lane**. The change takes place via the button Display: Q per lane or Display: Q for entire road. The Q columns are then labelled accordingly via a second heading line.

- sonROAD18 - Free input of K1 by the user:
  In addition to the automatic determination of the K1 value according to the Noise Abatement Ordinance (LSV), a free input by the user can now be made alternatively. For this purpose, the type of K1 determination must be set to "Free input". Individual K1 values can then be defined via this. Furthermore, the K1 value can be disregarded ("None") or automatically determined according to the LSV ("According to LSV") via the type of K1 determination.

- sonROAD18 - Free entry of a surcharge by the user: In addition, it is now possible to define a user-defined surcharge ("Surcharge /dB (user-defined)").

- Generate high-voltage lines - Generate delivery offset with the mast as auxiliary lines:
  The delivery offset (suspension) of the individual suspension points of each level of a mast is now also drawn in as an auxiliary line with the mast (button: "Generate masts as auxiliary lines").

- Element library Schall 03:
  "Display emission spectra" now also shows the selected line surcharge: In the tabular display of the emission in this menu item, the distance surcharge is now also displayed.

Changes

- sonRoad18, Change of the input type DTV; N1/N2: The sound power Lw'eq, A in dB(A) was output in version 2022 Update 1 via the input type "DTV; N1/N2" for only one lane. If the road width dsq > 0 was set, too low emission levels per lane were used. The procedure is also described in detail in the IMMI online help.

- Element library Schall 03 and the parameter KMet: Until now, KMet was also calculated for lateral detours according to the formula of Schall 03 for the path over the obstacle. Now it can be set whether KMet should be calculated laterally or always set to 1.

- Result List/Flexible Short List: The coloured display of the exceeding of guide values has been added for this list.

- Directivity: Display of the directivity balloon for CFL and XHN Import: The input fields for the rotation angles are now marked in colour so that you can assign them to the coloured axes.

- Output of detailed test protocols for checking test items: In the menu Settings | Environment | Calculation the checkbox for test protocols can be activated. This is then applied for Schall 03 or RLS-19..

Error corrections

- Coloured guide value overruns in the result list/short list: The option switches (>=, <= etc.) were not evaluated correctly. This is fixed.

- Shape import CNOSSOS road: Problem: After the import the values Q are recalculated, but the road type was not considered correctly.

- Spectra database: "Save spectra" and load the saved entries into another project did not work.

- Assessment: In the dialogue of entries for a sound source, the fields for exposure times and repetition were enlarged. Now 3-digit entries are also possible here.

If you have any questions, please feel free to contact us

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