

# **VISUM Release Notes**

**Version 12.0**

**Version 12.00-01**  
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Corrections, Bug Fixes and New Features (ID)

2011-09-29

#### Add-In

- ▶ *Add-ins in general*: German and English help items have been added to all add-ins. (10021)

#### COM Interface

- ▶ *Options.DecimalSeparator*: This function works correctly now. (3250)

#### Data Model

- ▶ *Attribute "Number of effective lanes"*: For turns and main turns, this attribute used to return incorrect values, if lane turns existed which connected one lane to several lanes of the same exit leg. This bug could be fixed. (10295)

#### Development Components

- ▶ *SATURN Import*: The SATURN importer can read the free SATURN-FORMAT in "Section 5555" and considers the parameter "XYUNIT". (10313)

#### Dialogs

- ▶ *'Vehicle units and combinations' window*: The 'Vehicle combinations' tab can also be opened if the network does not contain any vehicle unit. (10292)
- ▶ *'Read network' pop-up progress window*: The bar update continues even when tables or individual table rows are ignored. (9293)

#### Timetable Editor

- ▶ *Line block display*: The line block display will no longer crash if undefined attributes are displayed as labels, e.g. 'Length until next occurrence' for block items which have not been defined by the user. (10290)
- ▶ *Print output of the horizontal graphical timetable*: Even if there is a stop or stop point with a very long name, printing will no longer cut off the first hours in the "Entire image" mode. (2940)

#### Foreign Formats

- ▶ *HAFAS-Import*: Information about "main masts" in the file "Connections between stops" is now evaluated correctly. (3239)
- ▶ *HAFAS import*: Destination coaches are now included in the import. (9338)

#### Listings

- ▶ *Cross-section functions for indirect attributes*: The color of the column header and tooltip now indicates, that "cross-section" means the total sum calculated for indirect attributes. (7199)

#### Network Editor

- ▶ *'Edit line route' window*: The program will no longer crash if the timetable editor is called from the 'Edit line route' window of a line route without time profile. (2901)

#### Other Operations

- ▶ Impedance calculation at node (ICA): Pure public transport lanes are excluded by means of a filter. (10260)

#### Miscellaneous

- ▶ *Program start*: With any operating system, the projections are copied when VISUM is started. (3237)
- ▶ *Program start*: Even if the target folder does not contain projection files, the projections will be copied when VISUM is started. In this way, VISUM installations that have become defective due to #3237 are fixed. (3238)
- ▶ *Command line options*: There are new command line options for 'load version, execute procedures' and for 'load version, exclude procedures, save version'. (9544)

#### Scenario Management

- ▶ *Modifications, procedure parameter sets*: Newly created modifications or procedure parameter sets cannot immediately be used in scenarios. (10307)

### **PuT Line Blocking**

- ▶ Line blocking (with and without vehicle interchange): According to the setting of the task, line blocking could have ended up in an endless loop. This will no longer occur. **(10275)**

### **PrT Assignment**

- ▶ Due to the accelerated impedance calculation, the equilibrium assignment is faster now. **(9466)**
- ▶ *Equilibrium assignment*: Now, even 0 outer iterations are permitted. Thus, only the route volumes have to be adjusted to the new matrix when starting from an initial solution. When not starting from an initial solution, the procedure works like an incremental assignment. **(10293)**
- ▶ *PrT functions*: The option for reproduction of results until VISUM version 11.02 with acceptance of an instable shortest path search is no longer available. Now, always the new and stable shortest path search is used. **(10296)**
- ▶ Impedance calculation at node (ICA): For the 'all-way' control type, the computation could be sped up. This also affects the assignment with ICA. **(9645)**