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## 4.00-01 [103051] 2015-11-16

### + New Features and Changes

#### Graphical editors

- + Control Type: When the graphical parameter 'Control Type' is activated, intersections with control type 'unknown' are no longer shown. They were previously shown with a question mark. **(1410)**

### ✓ Fixed Bugs

#### File import / export

- ✓ ANM export: Vistro no longer exports routes on closed turns that were previously open and have a volume. When the network now is simulated in Vissim, the simulation no longer stops with an error message about invalid routes. **(1408)**
- ✓ ANM import, Synchro import: In some situations link points were placed at the location of intersections so the intersections were displayed incorrectly. This issue was fixed. **(1407)**
- ✓ Synchro / ANM import: There was a wrong error message when a peak hour factor (PHF) of less than 0.25 was imported. This issue was fixed. **(1406)**
- ✓ Synchro import: After Synchro import the network is now scaled correctly. Previously the network was a little too small. **(1412)**

#### Intersection setup tab

- ✓ Number of pockets: When a left turn had a pocket and the intersection was changed in such a way that the left turn became a thru turn, the number of pockets was shown incorrectly. This issue was fixed. **(1401)**

#### Traffic control tab

- ✓ Signal timing optimization: Signal groups with split 0 were not taken into account when calculating green times of overlaps. As a result, when a controller had type free running, all splits were set to 0. This issue was fixed. **(1414)**

## 4.00-00 [101774] 2015-10-12

### + New Features and Changes

#### Copy & Paste

- + It is now possible to copy & paste values in the network optimization tab, the trip assignment tab, the trip generation tab and between zones in the trip distribution tab. **(1360)**

#### Dialogs

- + Network statistics: The network statistics dialog in the View menu now gives an overview about the number of network elements (for example intersections, links, zones) and network size. **(1156)**

#### Graphical editors

- + Calculation status: Vistro now offers a graphical parameter that shows the calculation status of each intersection in the network editor. This makes it easy to see which intersections already have been modelled in detail. **(1385)**
- + DWG file format: DWG 2013 files can now be used as background images. **(1268)**

## License

- + Managing licenses: It is now possible to manage licenses using the menu entry Help->License. The button "Manage license" then opens a dialog with detailed information about the available dongles. **(1369)**

## Main window

- + Help menu: The menu was redesigned and extended. It is now possible to access the Vistro manual directly (PTV Vistro Manual), to access the download area (Service Pack Download) and to contact the support (Technical Support). It is also possible to see license information (License). **(1363)**

## Reporting

- + Bookmarks: Bookmarks were added to the report for easier navigation. **(1354)**
- + Network statistics: The report now optionally contains a page with network statistics that gives an overview about the number of network elements (for example intersections, links, zones) and network size. **(1176)**
- + Report sections: It is now possible to determine, which sections of a report should be printed. **(1074)**
- + Reporting dialog: The layout of the reporting dialog was improved. **(789)**
- + Time-space diagrams: It is now possible to report four types of time-space diagrams: single direction / flowing off, two directions / flowing off, single direction / arterial bands and two directions / arterial bands. **(1349)**
- + Time-space diagrams: Reverse directions of corridors are now optionally shown in the report. **(1238)**

## Traffic control tab

- + Calculation status: The calculation status of an intersection is now shown in the traffic control tab and as a graphic parameter in the network window (Show Intersection Info -> ICA check). The status shows whether an intersection has yet been set up correctly as to yield correct ICA calculation results (intersection capacity analysis). For example, a signalized intersection for which no signal groups have been defined will show an error status. **(918)**
- + Pedestrian phase: It is now possible to define an exclusive pedestrian phase. This can be done by defining a pedestrian signal group in the new sub-table 'Exclusive pedestrian phase'. The signal group can be selected in the sequence editor and is taken into account in LOS calculations etc. Exclusive pedestrian phase information is also used when a Synchro file is imported. **(902)**
- + Two-way-stop: There is no upper limit anymore on the potential capacity of minor street movements. In earlier versions there was an upper limit of 1700 veh/h. This limit may now be exceeded if the follow-up gap is set to a small value. **(1330)**

## Trip generation tab

- + Deleting zones / gates : It is now possible to delete zones and gates via context menu and by using the 'del' key. **(1392)**