VISTRO 1.0 Release Notes

PTV GROUP

the mind of movement

Last modified: 2012-11-16

1.00-03 [74646]	2012-11-16

⊕ New Features and Changes

About Dialog:

⊕ Added Bing Maps Expiration date to the about dialog. **(557)**

Error Messages:

⊕ Errors that occurs during the optimization are displayed now. **(463)**

Headers/Footers:

⊕ There is an option for the vistro filename as header / footer now. **(639)**

Network Optimization:

⊕ Added a button that allows to just save the settings without optimizing the network. **(514)**

Outgoing Lanes:

⊕ There are no pockets anymore for streets that are at the end of the network. **(378)**

RBC import:

⊕ Import of protected / permissive turns was corrected. **(561)**

Rename:

⊕ "Critical Movement" -> "Critical Lane groups" **(603)**

Row removed:

⊕ 'Total Saturation Flow Adjustment' has been removed. **(531)**

Synchro import:

⊕ Actuation Type is imported correctly now. **(559)**

Units:

⊕ Added support for metric system. **(350)**

Vissim Simulation:

⊕ Moved the Vissim Preview access into a new menu called 'Simulation' **(633)**

None

⊕ *Error within issue VISTRO-596*
  - *No message text for the English release note.*
  - *No message text for the German release note.*
  - *No message text for the English release note.*
  - *No message text for the German release note.*
  - *The English text has less than 10 chars for breaking change.*
  - *The German text has less than 10 chars for breaking change.*

  None **(596)**

✅ Fixed Bugs

About dialog:

✅ The contact information in the about dialog is correct now. **(632)**

ANM export:

✅ Fixed an issue relating to detectors. **(539)**

Beautification:

✅ The v/c label is no longer displayed if there is no v/c for the current intersection. **(634)**

Dialogs:

✅ Dialogs are not showing a taskbar icon anymore. **(656)**

Editing:

✅ The intersection name is no longer editable in the mitigation tab. **(625)**

Entering of negative values:

✅ Fixed an issue with entering negative values. **(481)**

Global Settings:

✅ Crosswalk Width is no longer visible. **(651)**

ICA Calculation:

✅ Fixed an issue in combination with overlaps and protected/permissive **(628)**

ICA TWSC HCM 2010:

✅ Improved the calculation. **(667)**

Irrelevant values:

✅ Some values do not show up anymore if there are no signal groups defined. **(622)**

Irrelvant values:

✅ Data entries not relevant for Coordination Type = 'Free' are marked as irrelevant now. **(652)**

License:

✅ Bing license expiration now controls Bing access. **(626)**

Map Background:

✅ The map type can be defined now. Option for street names / no street names is added. **(627)**

Net import:

✅ Fixed the import of files from a scenario causing Vistro to crash. **(640)**

Network export:

✅ Active pattern in RBC export is now set based on Signal Control coordination type **(540)**

Network import:

✅ Improved the network import. Sometimes the import of RBC files has lost signal group data. **(649)**

Outbound lanes:

✅ Fixed an issue with outbound lanes for intersections at the edge of the network. **(476)**

Report Intersection Header:

✅ "Critical Vol / Capacity (X):" -> "Volume to Capacity (v/c):" **(635)**

Report Intersection:

✅ Header order has changed. **(636)**

Scenario Creation:

✅ Removed the save file dialog that comes up if the network has already been saved. **(624)**

Splits:

✅ If using signalised as a mitigation option the splits are no longer zero. **(580)**

Storing Data:

✅ In certain circumstances the singal group data was not stored when saving the network. This is fixed. **(588)**

Szenario Save Dialog:

- ✅ Improved stability. **(660)**

Tabbing:

- ✅ The tabbing behaviour was improved. **(550)**

Title:

- ✅ 'Basic' has been removed from header. **(637)**

Traffic control tab:

- ✅ Changed '% Back of Queue' to '95th %ile Back of Queue' **(643)**

Two-way stop intersections:

- ✅ Improved the toggling of the free / stop designation. **(623)**

Version Information:

- ✅ Has been moved directly under the Vistro logo. **(638)**

Visum export:

- ✅ Detector information is now exported to RBC files. **(659)**

Volume Details:

- ✅ Fixed formatting errors in the tabular output. **(581)**

⚠️ Breaking Changes

None

- ⚠️ *Error within issue VISTRO-596*
  - *No message text for the English release note.*
  - *No message text for the German release note.*
  - *No message text for the English release note.*
  - *No message text for the German release note.*
  - *The English text has less than 10 chars for breaking change.*
  - *The German text has less than 10 chars for breaking change.*

  None **(596)**

1.00-02 [74457]   2012-11-12

➕ New Features and Changes

Dialogs:

- ➕ Esc key: All dialogs can now be exited with the Esc key. **(567)**

Main window:

- ➕ Vissim button: The 'VISSIM' button was removed from the toolbar and moved to a new menu called 'Simulation'. **(382)**

Network optimization tab:

- ➕ Editability: The editability was improved. Offsets can now be set by dragging with the left mouse button. **(280)**

✅ Fixed Bugs

File import / export:

- ✅ Synchro: Uncontrolled intersections will no longer be imported as all-way stops. **(464)**

Graphical editors:

- ✅ Panning: It is no longer possible to pan by using the left mouse button. **(582)**

- ✅ Show traffic conditions: Vistro sometimes crashed when the 'show traffic conditions' button was active, especially when the view was zoomed or panned. This issue was fixed. **(577)**

Network optimization tab:

- ✅ X-scale: The X-scale of the diagram is now saved and will be restored when the tab is entered a second time. **(349)**

Non-graphical editors:
- ✅ ICU and Circular: The data tables for these analysis methods were adjusted. **(609)**
- ✅ Signalized intersections: Vistro crashed when an actuated controller was selected that had a ring / barrier pair with more than two elements. This issue was fixed. **(610)**

Optimization, Traffic control tab:
- ✅ Signalized intersections: Calculations for controllers with control type 'free' are now based on the maximum green times, not the splits. **(585)**

Optimization:
- ✅ Local optimization: In certain cases intermediate configurations in the optimization process have a calculated saturation flow rate of 0 for certain lane groups. The optimization now works correctly in these cases. **(575)**
- ✅ Local optimization: Results were sometimes not optimal, because calculated splits differed from optimal splits by 1 second. This issue was fixed. **(584)**
- ✅ Signalized intersections: Split phasing for exclusive and shared inner lane groups is now taken into account in the calculation of maximum allowable headways. This changes the results of delay calculations. **(611)**
- ✅ Signalized intersections: The delay calculation is now based on lanes, not on lane groups. As a consequence a lot of values that are based on delays are calculated correctly now. **(614)**

Scenario management:
- ✅ Overlaps: Vistro could crash if a scenario was selected where an overlap in the original network was removed in the scenario. This issue was fixed. **(425)**
- ✅ Pattern times and sequence: Scenarios that contain differences in pattern times or sequences compared to the base scenario no longer cause Vistro to crash. **(615)**

Traffic control tab:
- ✅ Control type 'Free': Since it is not possible to optimize free running controllers, a hint is now shown when the user tries to optimize such a controller. **(488)**
- ✅ Walk: In a multi-edit operation for the value 'Walk' values for inactive cells are no longer changed. **(548)**

⛔ Breaking Changes

Optimization:
- ⛔ Signalized intersections: The delay calculation is now based on lanes, not on lane groups. As a consequence a lot of values that are based on delays are calculated correctly now. **(614)**

1.00-01 [74290]   2012-11-07

➕ New Features and Changes

Main window:
- ➕ Menu: The menu entries 'ANM' and 'ANM (without RBC)' were renamed. The names now contain 'Vissim'. **(569)**

Trip distribution tab:
- ➕ Editing names of gates: The names of gates and zones can now be edited in the tab. **(503)**

✅ Fixed Bugs

File import / export:
- ✅ Synchro import: Import of links with polygons was improved. **(465)**

Intersection setup tab:
- ✅ Number: When the user changes the number of the intersection, the tab no longer is cleared. **(568)**

Mitigation:

- ✅ Analysis Method: When the Analysis Method was changed in the traffic control tab, this value was not updated in the mitigation tab. The mitigation tab still showed the previous value. This issue was fixed. **(357)**

Non-graphical editors:

- ✅ Add Missing Paths: The Add Missing Paths button now also creates paths from gates to zones. **(572)**

Optimization:

- ✅ Hill Climbing: When splits were optimized, it was possible that the final split was 1 second different from the actual optimal split. This issue was fixed. **(573)**

- ✅ Message and Log file: After the optimization the message and log files are now always complete. **(381)**

- ✅ Split optimization: The value for 'Allowed reduction from optimum Split' now is taken into account correctly. Additionally, the performance in the case '0.00%' was increased considerably. **(571)**

- ✅ Starting solution: In some cases Vistro now uses a better starting solution for the network optimization. Previously it was possible in rare solutions that the final solution was worse than the original state in the network. This issue was fixed. **(574)**