

## PTV XSERVER 1.20.1

## WHAT'S NEW?

**GROUPING OF FEATURE LAYER ICONS**

**PTV xMap Server** | There is a new way to display Truck Attributes and Traffic Incidents. In case of multiple factors for one single road segment, all symbols will be displayed in a group box.



If there is not enough space for the boxes, they are replaced by a group icon, indicating the presence of various hints to the relevant road segment.



By zooming in, the icon will change back to the group box with the concrete symbols as soon as there is enough space for it.

**PERFORMANCE IMPROVEMENTS**

**PTV xMap Server, PTV xRoute Server** | Feature Layers for Traffic Incidents and Truck Attributes received a performance boost. Map rendering and route calculations are considerably faster now.

**HIGH-PERFORMANCE ROUTING**

**PTV xRoute Server** | High Performance Routing is now also available for 1:1 routing via PTV xRoute Server. HPR is based on pre-calculated routing networks that use a pre-defined map and route calculation profile instead of conventional road networks. Using pre-calculated routing networks may be less flexible, but this method provides faster results when it comes to route planning. The speed-up is crucial, especially for large distance matrix calculation instances. In short, the longer the route and the higher the number of intermediate points, the higher the gain with High-Performance Routing.

**NEW EMISSIONS CATALOGUES**

**PTV xRoute Server** | The standard **COPERT** Australia is now available for the calculation of air pollutant and greenhouse gas emissions from road transport.

For the UK, these emissions can now be calculated based on factors defined by **DEFRA** (Department for Environment, Food and Rural Affairs).

Both standards consider country specifics and allow a more accurate emission calculation for these areas.

**DRIVER REGULATIONS FOR AUSTRALIA**

Driving and rest times according to the Australian law are now available. Trips can be planned with these time restrictions, providing the most realistic estimated time of arrival.



### ACTIVITY LIMITS FOR TERRITORY PLANNING

**PTV xTerritory Server** | Set activity limits for your territories to limit the total number of activities within a single territory, e.g. sales calls. By doing so, you ensure that your field staff is not overloaded with customers to be visited. This has implications on the number of locations / customers within the territories and therefore on the number of required territories.



### CONSIDER INCOMPATIBILITIES OF LOCATIONS AND TERRITORIES

**PTV xTerritory Server** | Sometimes it is not recommendable to assign certain locations (customers) to specific territories (field managers), for example, when a service technician does not have the required skills to serve a customer. Such incompatibilities can now be included in the territory planning.



### TOUR ESTIMATOR

**PTV xTerritory Server** | This new function provides a quick way to estimate the route travel times within a territory without using PTV xTour Server. The output format (time in seconds) can be split in service time and driving time. Of course, the service time can be configured a priori to the tour estimation in order to get a more realistic estimate of the driving times.