



Descartes WinRoute™

Release 7.5 – Release Notes

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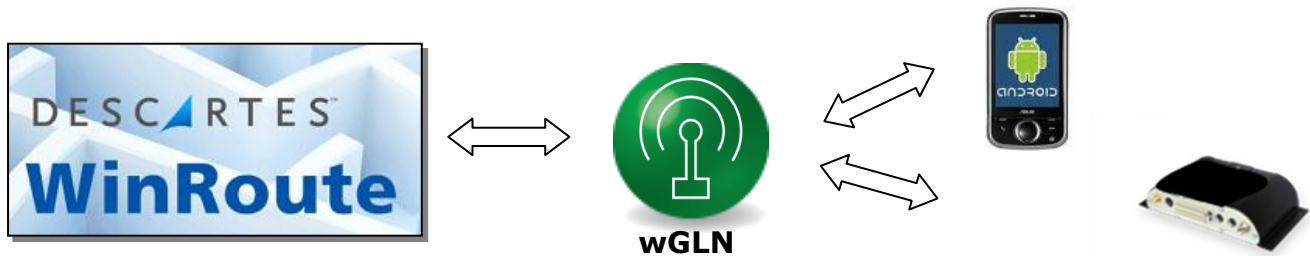
Release Summary

With Descartes System Group's (DSG) expansion of the scope of functionality within the suite of Descartes' Routing & Mobile solutions, the following enhancements to the existing Descartes WinRoute™ solution have been developed and deployed in a new release.

Please note that some of the enhancements require a change in configuration. For any questions, please contact our Service Desk via RIsupport@descartes.com.

Enhancement 1: Connection to wGLN

As of Release 7.5, Descartes' WinRoute is connected to the Descartes wireless Global Logistic Network (wGLN). This connection enables standard connections between Descartes' WinRoute and other mobile devices. Real-Time Planning, Track & Trace were available with prior releases, but through this enhancement it becomes easier to connect to any mobile or telematics device with the central planning system via 1 central communication layer.



Enhancement 2: Toll & Tax Roads

As of 01.10.2013 the new *exotaxe* becomes mandatory in France. Some changes were done in WinRoute to make sure the application can take into account these new parameters. With these new enhancements also the existing MAUT legislation, applicable in several EU countries was taken into account.

- New road statistics in the planning grid:

Distance on Toll Roads (Manual Toll)	Distance on Tax Roads (Electronic Toll)	Cost on Manual Toll	Cost on Electronic Toll
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- New vehicle cost in the vehicle planning tab:

Vehicle cost on toll roads

Cost/Km on Manual Toll (Toll) Roads	0,00
Cost/Km on Electronic Toll (Tax) Roads	0,00

Note that WinRoute does not calculate the exact Toll or Tax cost. The actual cost calculation also takes into account timing of driving, weight, direction etc... WinRoute only gives an indication of the distance and average cost for routes passing on these types of roads.

- New speed option in the speed tab:

Level 2: 1000 Route speed (0, 00, 70)

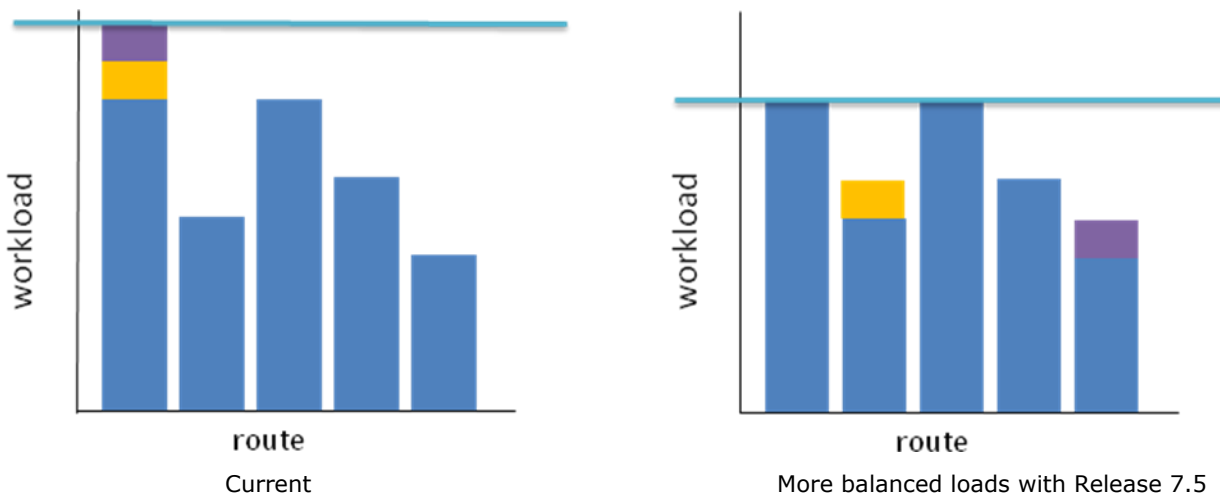
Allow use of following road types

<input type="checkbox"/> Ferries	<input type="checkbox"/> Deliveries Only	<input type="checkbox"/> Pedestrian Only
<input type="checkbox"/> Toll Roads (Manual Toll)	<input type="checkbox"/> Tax Roads (Electronic Toll)	<input type="checkbox"/> U-turns

Enhancement 3: Work Load Balancing

In this Release 7.5 an extra option was developed to equalize the workload between routes. Two possible workload definitions were created: mass or time

- Mass workload = Maximum possible mass – route mass
- Time workload = Maximum active time – route active time



- Workload slider added on driver tab :

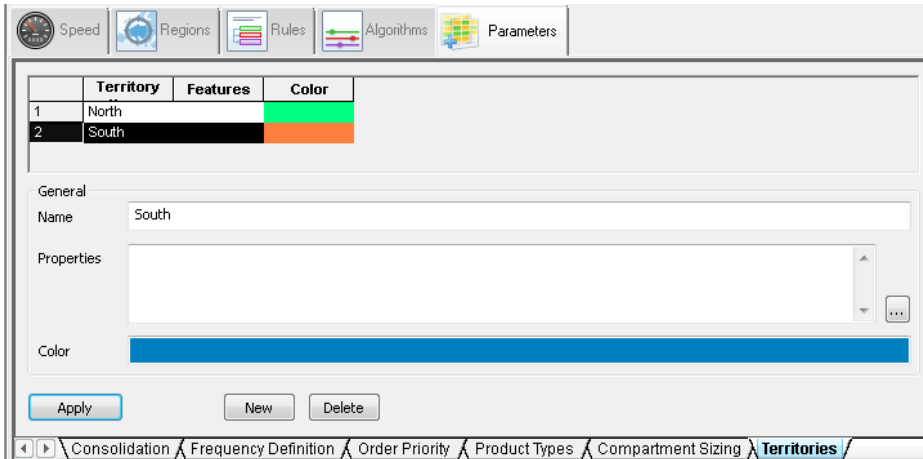


Enhancement 4: Number of desired vehicles

Descartes' WinRoute optimization engine always had the tendency to use the lowest number of Drivers/vehicles. As of Release 7.5 it is possible to indicate a fixed number of routes per day in the algorithm options.

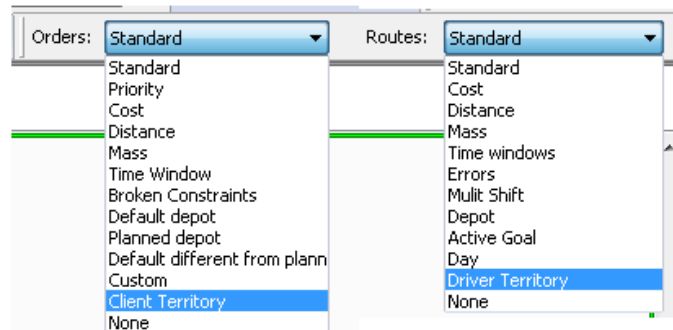
Enhancement 5: Client Territories

Territories can be assigned to a driver or a client.



The implicit rule attached to it is that the client must be from the same territory as the driver to be served.

New color criteria:



Enhancement 6: Frequency Planning Improvement

The algorithm for frequency planning was improved to allow indication of the number of visits per week. In the past it was only possible to give an indication of the days in between 2 visits.

General

Name:

Minimum number of days in between:

Maximum number of days in between:

Number of visits:

Use a scoop of weeks

Repeated scoop need to be the same

Accounted Days:

Mo	Tu	We	Th	Fr	Sa	Su
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enhancement 7: Message Tab export

With Release 7.5 the broken constraint in databases can be exported:



Flat layout example:

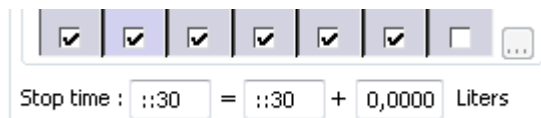
```
[Maximum active time exceeded by 12 minutes for the first tour of the route      7      1,000000      1      [188
415972,000000      ]]
```

Enhancement 8: Fixed processing time in Seconds

In the past the fixed processing time for delivering orders, loading at the depot etc... could only be configured in Hours and Minutes. Now it is also possible to configure seconds.

The format is HH:MM:SS

The grid will follow the format option in tools/options/format



Enhancement 9: New rules and configuration options

- New Rule : Group a client in the same vehicle
- New Rule: Indicate the compartment that needs to contain the last order/goods of a tour.
- In the region config, allow to have 'penalty' greater than 100%