Overview - Execution

Aptean Ltd

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1 Overview - Execution

1.1 Paragon Live

Paragon Live comprises two modules: Route Execution and Live Management.

1.2 Route Execution

Route Execution is a Paragon software solution that enables real-time vehicle activity to be tracked automatically against the planned routes and schedules. This gives transport managers real-time visibility of how the day?s plan is progressing and provides an accurate picture of transport and service performance. It enables companies to significantly improve their customer service achievement, respond efficiently to problems or delays that arise, ensure delivery schedules are legal and achievable, and unearth hidden inefficiencies for continuous performance improvement.

The integration of Paragon Route Execution with the industry?s leading tracking systems enables real time information about vehicle location and status (moving or stationary) to be captured automatically and fed back to the Paragon system every few minutes. This information can then be used to automatically provide an accurate up-to-date picture of the execution of the day?s transport schedule as well as accurate plan versus actual history.

Typical Route Execution benefits include:

- Improve operational management
  - ♦ Improve planning accuracy e.g. drop times and vehicle utilisation
  - ♦ Adjust the plan in real time
- Improve customer service at site
  - ♦ Automatically send alerts by text message or email while the vehicle is en-route.
  - ♦ Be alerted to, and deal with, potential missed delivery windows
- Driver de-brief, KPI reporting & continuous improvement
  - ♦ Highlight and correct hidden inefficiencies
  - ♦ Report Key Performance Indicators
  - ♦ Report planned vs. actual mileage, drop time, driving time & working time
  - ♦ Uncover off-route miles
  - ♦ Instant visibility of exceptions to enable immediate driver debrief
- Legal implications
  - ♦ Automatically check the routes are feasible & meet industry legislation

Route Execution includes Resource Managed planning functionality which enables transport resources - drivers, tractors, trailers and rigid vehicles - to be managed effectively.

This adds a further dimension to Paragon?s transport planning and optimisation capabilities. It provides a convenient facility for storing and managing information about driver shift patterns and vehicle availability, and integrates this with Paragon?s transport planning and optimisation process. This means that Paragon schedules can be created that match the specific driver shifts and vehicles available, and historical performance can be monitored, for example in relation to drivers? hours regulations, such as the European Working Time Directive.

Crucially, Resource Manager also calculates each driver?s current rolling average weekly working time, so that the Paragon optimiser can give less work to drivers that are ahead, and more work to drivers that have fallen behind. This automatic process helps transport managers to allocate even workloads to drivers over their WTD reference periods and avoid violations.

By providing day-to-day resource data at individual driver/tractor/trailer/rigid level, Resource Manager provides required input for Route Execution, providing the link between the Paragon-planned routes and the individual vehicles being tracked.

1.3 Live Management

The Live Management option includes the capability of exporting near real time data to an SQL database for use with your own in-house reporting suite.

In addition, adding Live Management to a Live Route Execution system provides real-time reporting options from with Paragon including automated reporting, Management Dashboards and Customer Arrival time boards that allow your customers to have a real-time view of the vehicle arrivals that you have scheduled for them.

Paragon Live Management is an additional option and requires the use of a Paragon Route Execution licence.