



TranSend Oracle OTM integrated demonstration

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Introduction

- TranSend have been developing and implementing its delivery management and proof-of-delivery mobile application since 2007 and have an number of the key UK logistics organisations, retails and manufacturers as their clients. These include Wincanton, Canute Group, TPN (The Pallet Network), JD Sports and Brenntag. Some of these organisations operate bith within the UK and across mainland Europe.
- This application is not merely a simple proof-of-delivery app which assumes 'one size fits all' but is a comprehensive supply-chain focused solution supporting multiple complex distributions where different behaviour may be required at each stop, based on the characteristics of the customer, stop type. Order/product type or be dependent on the previous activity.
- The solution is implemented as a bespoke deployment by customer and incorporates the creation of a solution design with bespoke workflow and characteristics by contract, upon which the deployment is based. A second key component of all implementations is integration with the client's existing supply-chain systems including ERP (SAP, mid tier ERP solutions) and legacy TMS and routing applications such as Paragon, MapMechanics, ESS and Vigo).
- TranSend have spent considerable time with the Oracle OTM team to effect a proof-of-concept integration which proves and demonstrates two-way integration Of TranSend ePOD with Oracle.

Recorded Demonstration

- The recorded demonstration illustrates the integration which has been developed between Oracle OTM and the TranSend delivery management electronic proof-of-delivery application.
- The YouTube hyperlink to the recorded demonstration is included on the last page

Process Flow

- This demonstration video starts by showing the generation of a conventional route within OTM, this route comprises one collection and three subsequent deliveries.
- Once the route has been confirmed it is tendered to and accepted by Stobarts Distribution.
- TranSend is then sent the confirmed route (using jointly developed integration).
- The driver who is to execute the route logs onto the TranSend ePOD application identifying the route id he is executing, vehicle to be used, driver id and date. Based on the business rules logon can require all of these elements or solely only one such as route id.
- Once the logon is complete the route and all of its delivery characteristics are downloaded onto the driver PDA (which can be an android or iOS Smartphone or a ruggedized android device with integrated barcode scanning).

Process Flow (cont'd)

- The process flow as the driver executes to route is determined as part of the ePOD deployment, in this case the driver goes through:
 - Vehicle and trailer checks
 - Advisory Health and Safety notification and driver acknowledgement
 - Rout list showing all stops
 - Confirmation by the driver he is en-route
 - Recording of arrival at stop (either driver input into PDA or breaking geofence)
 - Special instructions shown and acknowledged by the driver
 - Recording of what items are planned for delivery/collection and what actually was delivered and collected
 - Recording of ant defects or exceptions with the items collected delivered including photos
 - Recording of ant issues such as reason for early/late arrival at the stop
 - Recording of the delivery and uplift of any delivery assets at the stop such as pallets, roll cages etc
 - Recording of customer signature and any photos required to show damage or reason for deviation from planned delivery (e.g. no access to customer site, queue of vehicles etc)
 - Recording of actual arrival time and departure
- Once a stop is completed the Oracle OTM system is immediately updated with all required information enabling the calculation and display of route status information such as clean/dirty, early/late and predicted eta.

Key Characteristics of the TranSend ePOD application

1. PDA has intelligent variable workflow by stop
2. Multiple device support
3. Asset Management
4. Intelligent Deployment of the PDA app
5. Internationalisation
6. Vehicle Checks and Defect Management
7. Activity recording
8. Satnav with real-time traffic

1. PDA has intelligent variable workflow by stop

- Many organisations require a different ePOD workflow at different stops, this could be based on various criteria such as contract type, customer type, order type, product/products type, recording of handling units etc.
- The TranSend ePOD app is configured to a client's specific needs including all of the required workflows, the PDA then automatically selects and executes the specific workflow for each stop based on customer, order, products and any other relevant criteria.

2. Multiple device support

- The TranSend ePOD application supports both Android and iOS devices using the same device configuration file (specific by customer). The application supports both phone and tablet form factors automatically and supports ruggedized PDA such as the Zebra TC range of mobile computing devices that enable barcode scanning and OCR

3. Asset Management

- The TranSend ePOD application records all delivery assets by type delivered and collected at each stop. These may be pallets, beer kegs roll cages etc.
- TranSend is able to report on the latest net balance of these assts at each customer in real time, ensuring no loos of assets, ability to charge for non-returned assets or the charging of a monthly rental of assets to a customer by site.

4. Intelligent Deployment of the PDA app

- TranSend can cater for different means of deploying the app to the ePOD app depending on the user. Dedicated driver have the app deployed via a secure token, resulting in a permanent and comprehensive version of the app. Sub-contractors can request a download of the app from a secure environment any time prior to needing to start the load. The app also support sub-contractors staging a load where pickup may be done by one vehicle and final delivery by another.
- Additionally while dedicated drivers ePOD app may incorporate vehicle safety check, health and safety notifications and other elements required by the organisation, sub-contractors may have a version with modified or no checks.

5. Internationalisation

- The ePOD application supports multi-language operations, where the PDA screens as well as the data map to the country of operation.
- In addition, the ePOD application supports multiple time zones, showing any times on the PDA in local time but reverting all time/date stamps to UAT.

6. Vehicle Checks and Defect Management

- The ePOD application can support vehicle/tractor/trailer driver and vehicle checks. Additionally the vehicle checks process can drive the generation of vehicle defects. Vehicle defects can register an automatic severity VOR/ resolve within x days/no action required, and intelligent filtering ensures that duplicate registering of the same defect over a period of time can be consolidated into a single action to be undertaken. Resolution of checks can include authorised sign-off/garage work and invoices.

7. Activity recording

- The ePOD app is able to record additional activities such as the on-take of fuel by type/location/cost etc., and recording of vehicle incidents including nature of the incident witnesses\photos\authorised parties involved.

8. Satnav with real-time traffic

- The ePOD app can incorporate integrated European truck-based satnav, whereby the logon process at the start of day identifies the vehicle and sets size/weight limits to enable the satnav to determine the best legal route.

Demonstration

<https://www.youtube.com/watch?v=ekeKKVNmP9Y>

The screenshot displays the Logistics Cloud web interface. The main window shows the 'Shipment Status: 07710' for a delayed shipment. A large red play button is overlaid on the center. The interface includes a 'Route and Status' section with a timeline showing stops and a 'Tracking Events' table.

Event Description	Status Code	Event Location	label.EventDate	Reason Description
Completed Unlo...	D1	MEADWOOD INDUSTRIAL ESTATE, BILSTON	02.04.2018 17:1...	Mechanical Breakdown

Overlaid on the right is a mobile app interface titled 'Scan Products'. It shows a search bar with 'SKU' and a 'Search' button. Below the search bar, it displays delivery information: 'Delivery CL-29903 AS54888', 'Ord 1 Desp 1', and 'Del 0 Excp 0'. At the bottom of the app, there are three buttons: 'ALL CLEAN' (with a green checkmark), 'SCAN' (with a barcode icon), and 'COMPLETE' (with a green checkmark).