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Oracle Fleet Management: Overview and Roadmap

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Program Agenda

- Oracle Fleet Management Overview
- Key Fleet Features in 6.3.2
- Fleet Roadmap



Oracle Transportation Management

Overview

13+ years of investment into a broad & deep platform



Transportation Management



Transportation Operational Planning



Freight Payment, Billing & Claims



Fleet Management



Forwarding & Brokerage Operations

Transportation Cooperative Routing



Transportation Sourcing



Fusion Transportation Intelligence



Logistics Inventory Visibility



Global Trade Management



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Oracle Transportation Management

Overview



Plan

- Orders & Shipments
- Inbound / Outbound
- Cross-Hub
- Load Configuration
- Dynamic & Static Routing
- Multi-mode

Execute

- Configurable Dispatch Board
- Mobile communications
- En-route hot load assignment
- Event management
- Brokerage "job" management

Monitor

- Activity & status tracking
- Regulatory reporting
- Asset inventory (pools)
- Sensor based data capture

Settlement

- Driver payroll
- 3rd party suppliers
- Customer billing
- Allocations / Accruals
- GL Coding

OTM – Support for Distribution Operations

Overview

- Route /Shipment Optimization
 - Static routes and/or dynamic optimization
 - Street-level routing / turn-by-turn driving instructions
 - Commodity considerations – frozen v/s dry
 - Pickup / delivery time windows, location hours of operation
 - Backhaul optimization
 - Driver Stringing, Multi-petal routing
 - Slip-seating (truck shared across drivers)
- Driver Issues
 - Hours of Service, Shifts
 - Depot-based, Home domicile
 - Event-driven activity: Vacation, Sick, Training
 - Driver Type – Employee, Independent Contractor
 - Driver-specific costing – Union v/s Non-union, Employee v/s Contractor
- Dispatch Operations
 - Dynamic dispatch
 - Assign backhaul order/shipment after driver has departed
 - Add orders/stops to route
 - Mobile communications
 - Dispatch instructions to driver
 - Driver updates
 - Telematics (GPS tracking, trailer sensor, etc)
 - Visibility & Event Management
 - Actual arrival / departure times
 - Dynamic ETA based on events & GPS data
 - Stop level detail (e.g., what was picked up)
- Financial
 - Driver payment – detailed driver activity
 - Contractor payment – detailed driver activity
 - Customer billing – billable services

Fleet Management:

Key Differentiators

- **Single-platform transportation solution**
 - Supports Fleet and 3rd Party Carrier
 - Supports Inbound and Outbound
 - Result: Optimize across all orders & assets
- **Breadth and Depth of the solution**
 - Complete coverage of Fleet needs
- **Technology**
 - Built on enterprise-class, web-native technology
 - Performance & scalability
- **Depth and breadth of optimization**
 - Beyond simple ‘dispatch planning’
 - E.g., dynamic route planning, load consolidation, load configuration, multi-leg routes, static routes, etc.

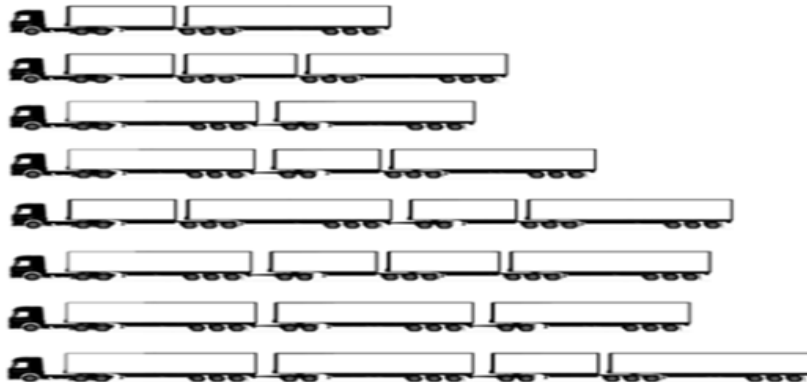
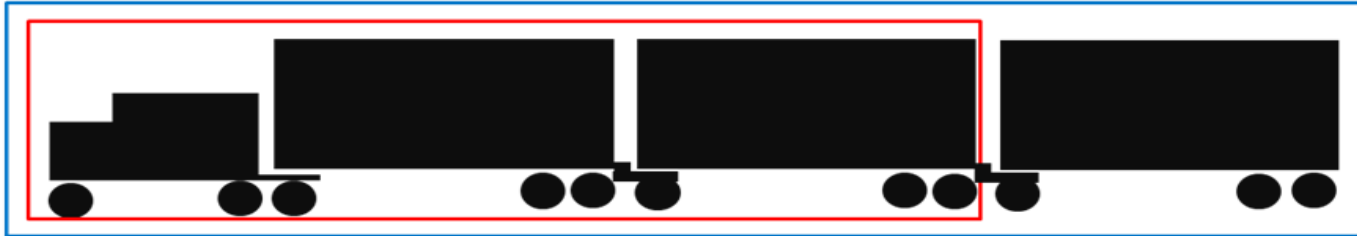
Key Features 6.3.2

(FUTURE!) Features

- Multiple Equipment
- Ground Schedules
- Hours of Service Rules Compliance
- Outbound Fleet Planning
- Kit Assignment
- Maps and Advanced Layout Improvements

Key Fleet Features in 6.3.2

Multiple Equipment



- Planning
 - Shipment Building
- Execution
 - Fleet Assignment

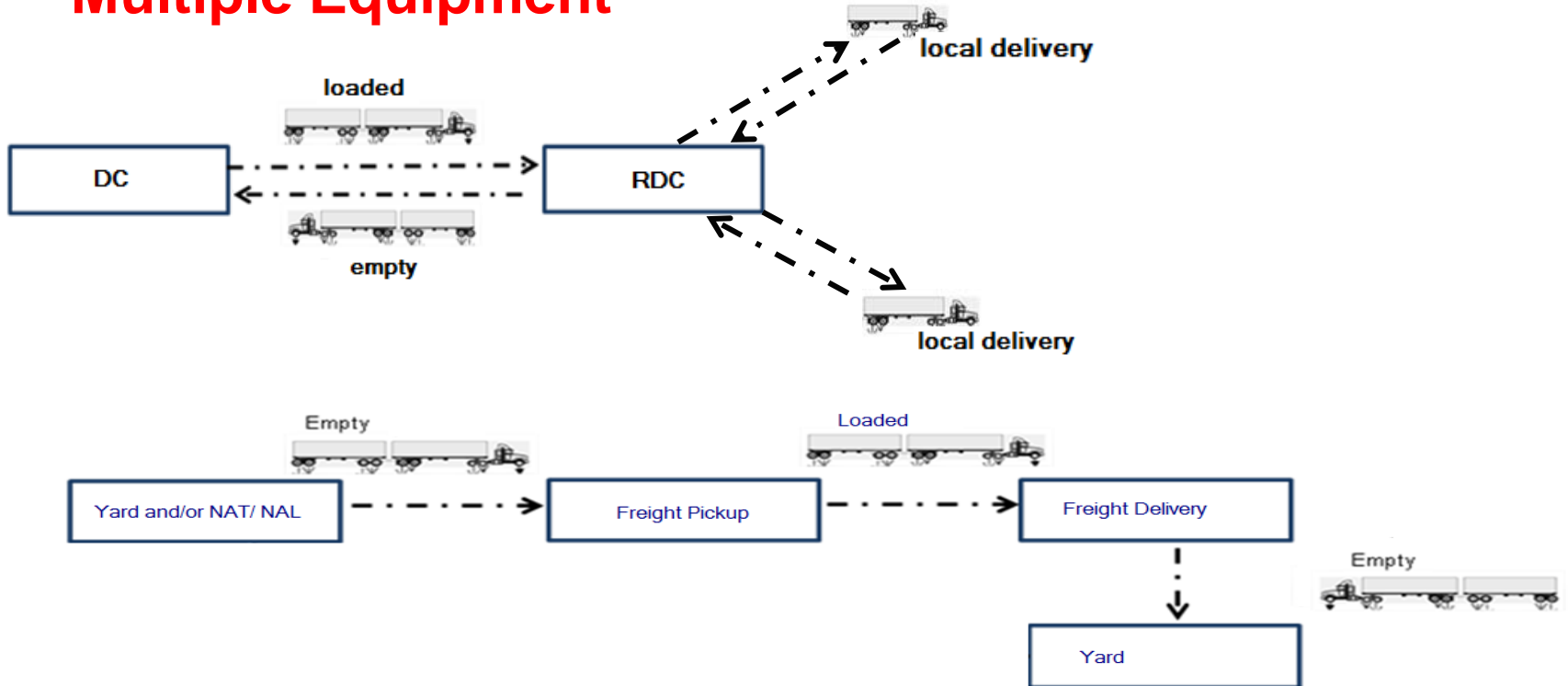
Key Fleet Features in 6.3.2

Multiple Equipment

- Enhanced Shipment Building to allow for the modeling of multiple equipment
 - New object: Combination Equipment
 - Combination Equipment is a new Equipment Group to model doubles and triples etc.
 - Enhanced shipment actions (Ex: Change Equipment Group, Move Order) to accommodate multiple equipment scenarios.
- Support the assignment of multiple pieces of equipment to a fleet shipment
 - Allow for multiple equipment to be assigned to one shipment (doubles, triples, etc.) via fleet actions
 - Allow for multi-stop/multi-segment shipments with multiple equipment - one equipment being dropped, another picked up.

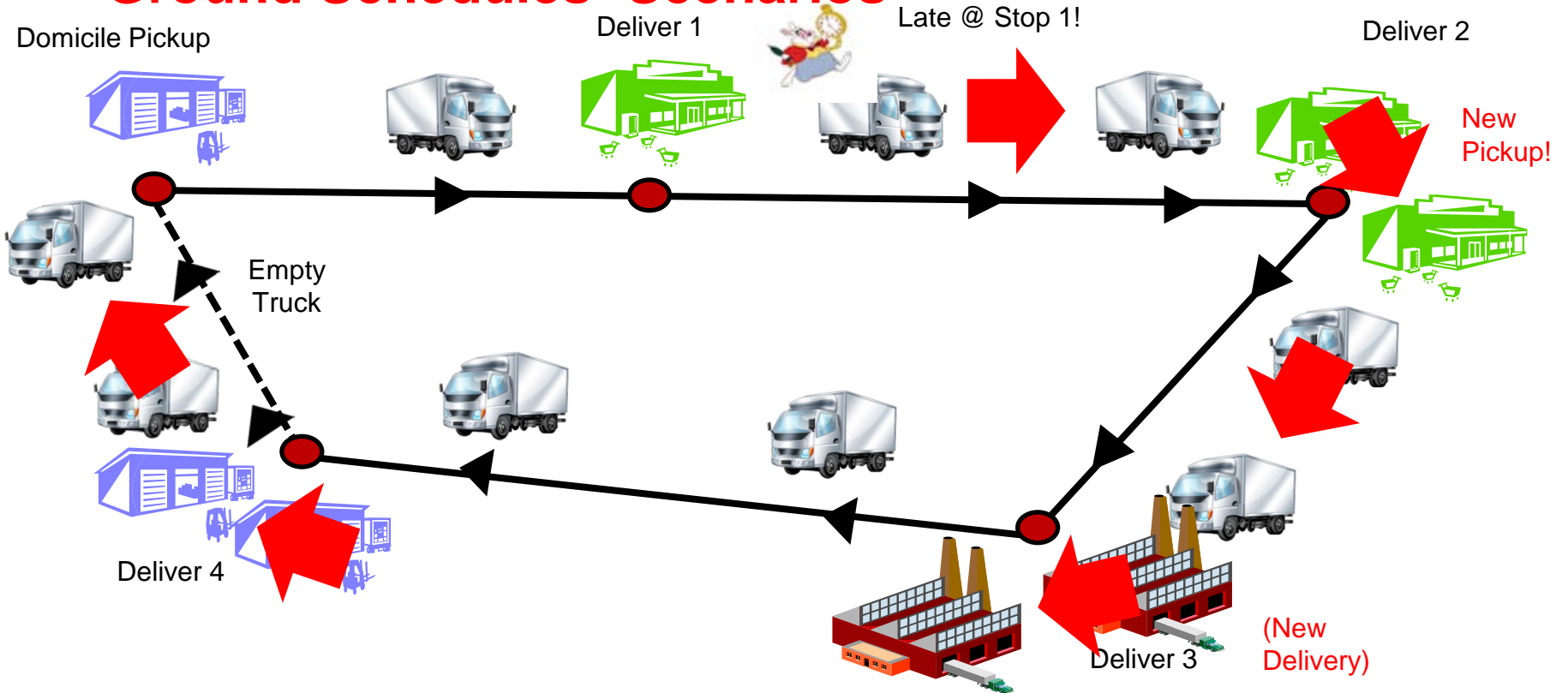
Key Fleet Features in 6.3.2

Multiple Equipment



Key Fleet Features in 6.3.2

Ground Schedules - Scenarios



Key Fleet Features in 6.3.2

Ground Schedule Enhancements

- Improve both the flexibility and functionality of the OTM Ground Schedule functionality. Provide support for more manipulations and changes to occur for shipment that originate from Ground Schedules –Particularly (but not exclusively) with Fleet.
- Make Ground Schedules more flexible:
 - Create a new Ground Schedule Type: “Detachable” which will allow the following (once released):
 - Allow orders (and stops/locations) to be added/removed after releasing a Ground Schedule Shipment. This flexibility allows the orders (and stops/locations) to be added - for both locations specified and not specified on the Ground Schedule definition
 - Allow the Equipment Group to be changed on the Ground Schedule Shipment via manual action
 - Allow the Carrier to be changed on the Ground Schedule Shipment
 - Allow the timing to be changed on a Ground Schedule Shipment
 - Allow the stop sequence to be changed on a Ground schedule Shipment
 - When optional stops are skipped, re-drive the timing of the subsequent stops so that they reflect new transit time between stops

Key Fleet Features in 6.3.2

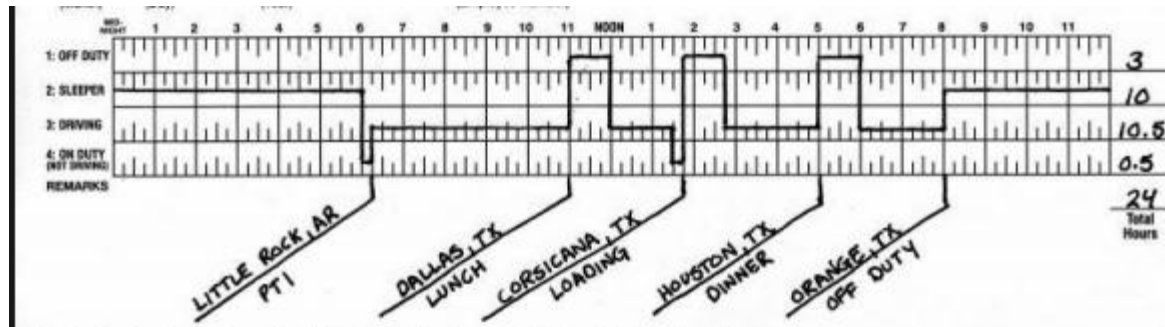
Ground Schedule Enhancements (continued)

- Additional enhancements to Ground Schedules:
 - Allow a named driver to be specified on Ground Schedule
 - Ground Schedule Shipments created with a Ground Schedule template with a driver will automatically be assigned to the specified resources
 - Added the ability to create multiple instances of a Ground Schedule for a give day –added to all Ground Schedule Types
 - Remarks and Reference Numbers can be added to the Ground Schedule Template, which will then be copied to the Shipment

Key Fleet Features in 6.3.2

2013 HOS Rules

- Enhancements to include support for the US 2013 Hours of Service Rule changes, that took effect July 1, 2013.
 - Added support to allow for period based rules to ensure consecutive start-time and end-time periods of days, (example 2, 1am to 5am cycles), are included in the 34 hour break, prior to the rule being satisfied for reset.



Key Fleet Features in 6.3.2

KIT Assignment Enhancements

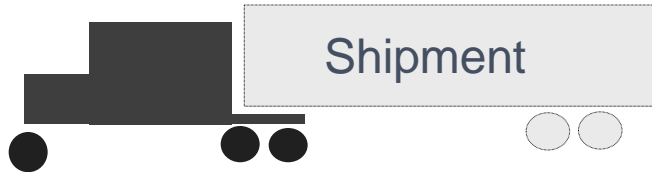
- Enhancements were made to support greater ease of use for Kit assignments. [As background, Kits area defined relationship between Driver, Power Unit and Equipment. Kits can have effective and expiration relationship dates.]
 - For Kit assignments;(Driver and Equipment) there is no longer a need to setup and maintain location asset inventory buckets and bucket values.
 - If it's a hybrid situation, where both Kits and non-kits are being assigned, then the existing rules for location asset inventory will apply to only those assignments that are NOT kits.
 - If there is an existing valid Kit relationship the Equipment Assignment action has been enhanced to assign the Power Unit and the Driver as well, as part of the Equipment Assignment.



Key Fleet Features in 6.3.2

Enhancements to better support outbound fleet planning scenarios

- Allow for rating to work only with the freighted lane, excluding the NFR stops
- Power Unit Assignment: Allow for the assignment of an otherwise unoccupied Power Unit to a shipment.
- Added logic to prevent to overwriting of assigned power units as a result of other assignment actions such as assign driver, are performed.



Key Fleet Features in 6.3.2

Enhancements to Advanced Layout and Maps

Map Order Release Shipment Routes



Key Fleet Features in 6.3.2

Enhancements to Advanced Layout and Maps

- **Advanced Layouts**

- User Level Control for Advanced Layout Appearance for actions that launch Advanced Layouts including Maps (Previously this was one configuration per instance)
- Convert Remaining Legacy Map Actions to use the Advanced Layout
- Enable Drag and Drop of one or more orders from the Order pane to the shipment pane.
- Drag a stop, and all associated orders for that stop from the stop pane to the shipment pane – move order will be invoked. Note that all orders must have the same O-D Pair.

- **Maps**

- Show Related Shipments (by Driver, by Mode. For Fleet: assigned vs. unassigned. For Non-Fleet: by mode) on the Map in the same color.
- Enable drag and drop of one or more orders from one place on a map to a shipment on the map.

Fleet Management

Roadmap Highlights –Nearer term

- **Web Service Based Mapping and EDE (address validation, Geo- Coding and time/distance) for other Services:**
 - Nokia, Tom-Tom, ALK, Bing and Google.
 - Traffic and Tolls
- **CAB Voted Items:**
 - Outbound Planning Improvements :Commodity and Origin Specific Calendars
 - Relay in Transit Improvements –Force agent action
- **‘Deepening’ out 6.3.2 items:**
 - Ground Schedules
 - Multiple Equipment
- **Fleet Strategic Optimization:**
 - Fleet and Asset pool sizing, deployment
 - Dedicated, Static route design
 - Swap, Relay optimization
- **Maps and Usability**
 - Extended routing and scheduling scenarios
- **Fleet Aware Bulk Planning**
 - Shipment Building with a greater ability to leverage the fleet
 - Greater focus on asset positions and availability considerations

Q&A

Safe Harbor Statement

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