271363

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3 FUNCTIONAL OVERVIEW

3.1 Client Requirement

Create a Consumer KPI Report from MTS Data

Create a report in MTS Reports - PDF Format to show: Analysed by Own Fleet, CN Subbed, Non CN DHL subbed, external Subbed & totals where appropriate for: Lifts, Revenue, Distance, Trips, Vehicle Fill (per Trip), Distance per RPE, Revenue per RPE, Subbed Trip Costs, Empty Vehicle Distances, Subbed Percentage Revenue per KM, Delivery Volumes by Region. See Attachment. Allow this report to be run by individual Group Name, Regional Group (Pre-specified) and Complete Network (All) - access controlled by Group parameters for input-controlled Date Range.

3.2 Solution

New records in table REP_REPORT and REP_REPORT_PARAM will be added for report ?CN KPI Report?. The following parameters will be added: Schedule Range (mandatory), Owning Depot (mandatory), Group Name and Regional Group.

A new Oracle Report will be written. This will print in A4 landscape. It will select all trips and orders that are not marked as cancelled for the schedule(s) selected.

The report will print totals in 8 sections, Lifts, Revenue, Distance, Trips, Empty Vehicle Distance, Own Fleet Backload Percentage, Daily Own Fleet Utilisation, Revenue per Kilometre. A ninth section will give a breakdown of the percentage of trips by each Region.

3.3 Scope

This change will be applied to system version 10.5

3.4 Data

Standard setup of reports menu and associated parameters



4 FUNCTIONAL DESCRIPTION

A new Oracle report will be created called the ?CN KPI Report?.

A new entry will be required in the table ?REP_REPORT? and the following parameters will be added to the table ?REP_REPORT_PARAM? to allow the report to be produced:

- ?Date From? Dropdown list of valid Schedule Dates
- ?Date To? Dropdown list of valid Schedule Dates
- ?Owning Depot? LOV of Depots
- ?Group Name? Select multiple parameters of Groups

The schedule dates and the owning depot will be mandatory parameters whereas the group name will be an optional parameter with the ability to list multiple groups via the ?Select Multi Parameters? screen.

The multiple parameters will be present for the user from the table ?REP REPORT LIST?.

The report will be restricted to specified user groups.

The report will be produced in landscape format.

See Appendix A for inserting values.

All trips that have not been cancelled or deleted will be selected for the schedule date range and the owning depot specified, the data will also be selected based on the optional group name if specified.

The schedule date of the trip will be validated against the schedule date range specified, the owning depot of the trip will be validated against the owning depot specified; the group name of the order will be validated against the group name specified.

If a group name has been specified then details for an individual site may be obtained. If multiple group names have been specified then details for multiple sites, e.g. for a region, may be obtained. If a group name has not been specified then details may be obtained nationally.

The report will retrieve the following items for the trips and orders that match the selection criteria:

- ?Lifts? RPE Total
- ?Revenue? Revenue for Trip
- ?Distance? Distance for Trip
- ?Vehicle Fill? Vehicle Fill
- ?Trips? Number of Trips

The items above will then be used to calculate totals for the items below:

- ?Distance per RPE?
- ?Vehicle Fill by Trip?
- ?Subcontracted (%)?
- ?Revenue per RPE?
- ?Subbed Trip Costs?
- ?Empty Vehicle Distance?
- ?Own Fleet Backload (%)?
- ?Daily Own Fleet Utilisation?
- ?Revenue per Kilometre?
- ?Regional Split?

All of the items displayed in the report will be split into 5 categories:

- ?Own Fleet? Carrier is the home depot (i.e. owning depot)
- ?Subbed to CN Sites? Carrier is in list of locations
- ?Subbed to Non CN Sites? Carrier is DHL/EXEL but not in the list of locations
- ?Subbed External? Non-DHL/EXEL carriers
- ?Backload? Own fleet where ?PK? stop follows ?DL?

The ?Own Fleet? will have a carrier that is the owning depot.



A ?CN? site will have a carrier code starting with ?DHL? or ?EXEL? and a carrier group name of ?fleet? and a hub location present, it will be for trip stops that are not of type ?PK? when it follows ?DL?.

A ?Non-CN? site will have a carrier code starting with ?DHL? or ?EXEL? but will not have a carrier group name of ?fleet? and a hub location.

An ?External? site will not have a carrier code starting with ?DHL? or ?EXEL?.

A ?Backload? will have a carrier code starting with ?DHL? or ?EXEL? and a carrier group name of ?fleet? and a hub location present, it will only be for a trip stop of type ?PK? when it follows ?DL?.

The ?Own Fleet? and ?Backload? will thus provide a total for the ?Own Fleet? when combined.

Each item will be displayed for the above categories and also a total or an average (where required) will be shown for all the categories.

The data may be obtained as follows where ID refers to the ID in the spreadsheet provided of the proposed layout (note that numbers 49 to 52 were 31 to 34 on the original spreadsheet):

Section	Category	ID	Item	Value
1	Lifts	- 1	Own Fleet	
		2	Subbed to CN Sites	
		3	Subbed to non-CN DHL Sites	
		4	Subbed External	
		5	Backload	
		5a	Total	Sum of ID 1-5
2	Revenue	6		
		7		
		8		
			Subbed External	
			Backload	
		10a	Total	Sum of 6-10
	Subbed Trip Costs	49		
		50		
		51		
		52	Total	Sum of 49-51
			0 5	
	Revenue per RPE	31		
		32		
			Subbed External	
		35		10a / 5a
		Joa	Average	10a/5a
	Subcontracted Percentage	37	Subbed to CN Sites	
	Subcontracted Percentage	38		
	_	39		
		40		Sum of 37-39
		40	Total	Julii 01 37 - 38
3	Distance	11	Own Fleet	
	Diotarios	12		
		13		
		14	Subbed External	
		15		
		15a		Sum of 11-15
	Distance per RPE	26		
	·	27	Subbed to CN Sites	
		28	Subbed to non-CN DHL Sites	
		29	Subbed External	
		30	Backload	
		30a	Average	15a / 5a

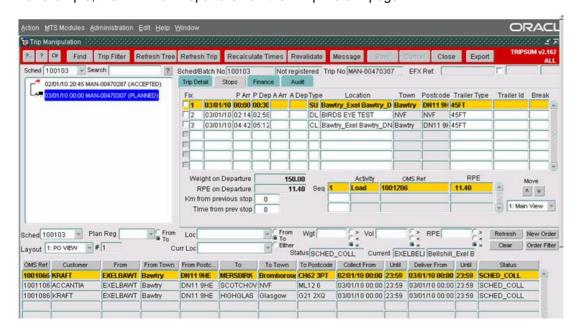


Section	Category	ID	Item	Value
4	Trips	16	Own Fleet	
		17	Subbed to CN Sites	
		18	Subbed to non-CN DHL Sites	
		19	Subbed External	
		20	Backload	
		20a	Total	Sum of 16-20
	Vehicle Fill per Trip	21	Own Fleet	
		22	Subbed to CN Sites	
		23	Subbed to non-CN DHL Sites	
		24	Subbed External	
		25	Backload	
		25a	Average	5a / 20a
5	Empty Vehicle Distance	35	Own Fleet	
		36	% Running Empty	35 / 26 * 100
6	Own Fleet Backload %	41		10 / 16 * 100
7	Daily Own Fleet Utilisation	42	Trips per Own Fleet Vehicle per Day	16 / Days in Date Range
8	Revenue per Kilometre	43	Own Fleet	6/26
		44	Subbed to CN Sites	7/27
		45	Subbed to non-CN DHL Sites	8 / 28
		46	Subbed External	9/29
		47	Backload	10 /30
		47a	Average	10a / 15a

4.1 Section 1: Lifts

The total RPE quantity on departure of the trip stops (i.e. RPE_ON_DEPART of SCH_TRIP_STOP)

For example, the ?RPE on Departure? on the ?Trip Detail? page:



4.2 Section 2: Revenue

The revenue of the unique orders on the trips (i.e. ORD_REVENUE of SCH_ORD)

For example, the ?Revenue? on the ?Finance? page of the order:

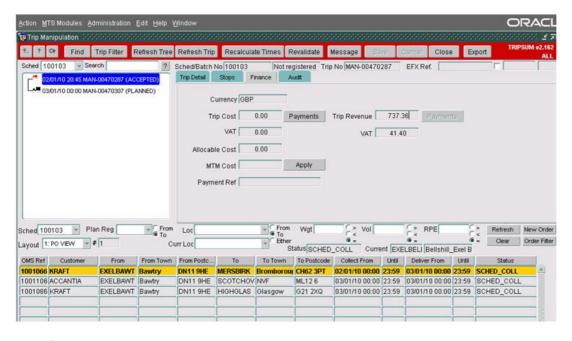




4.3 Section 3: Subbed Trip Costs

The cost of the trips (i.e. TRIP_COST of SCH_TRIP)

For example, ?Trip Cost? on the ?Finance? page:

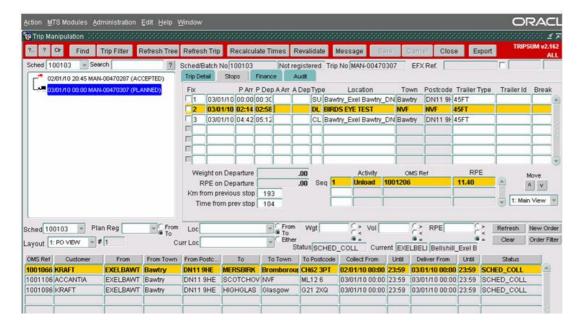


4.4 Section 4: Distance

The distance of the orders on the unique trip stops (i.e. DISTANCE_FROM_PRE_STOP of SCH_TRIP_STOP)

For example, the ?Km from prev stop? on the ?Stops? page





4.5 Section 5: Trips

A count of the unique trip IDs

4.6 Section 6: Empty Vehicle Distance

The distance when the vehicle is empty between unique trip stops, between consecutive stop types ?SU? and ?PK?, ?DL? and ?PK? and ?PK? and ?CL? (i.e. DISTANCE_FROM_PRE_STOP of SCH_TRIP_STOP)



5 REFERENCES

Ref No	Document Title & ID	Version	Date	
1	1	1.0	24/12/09	



6 DOCUMENT HISTORY

Version	Date	Status	Reason	Initials
0.1	15/12/09	Draft	Initial version	DNG
0.1	26/01/10	Draft	Completion	PDR
0.2	28/01/10		Change to quoted times to account for removal of regional group, selection of group name via a list of parameters, and extra complexity of the report for development	PDR
1.0	04/02/10	Issue	Reviewed and Issued	MJC
2.0	09/02/10	Issue	Amended definition of ?Backload? and ?Subbed to CN Sites?	PDR



7 AUTHORISED BY

Matt Crisford	Development Manager
Peter Greer	TMSCC MTS Product Manager

