

**271363**

Aptean Ltd  
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## 2 271363 - PA-7XNLH9/ Consumer KPI Report

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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	<b>Total</b>	Sum of ID 1-5
2	Revenue	6	Own Fleet	
		7	Subbed to CN Sites	
		8	Subbed to non-CN DHL Sites	
		9	Subbed External	
		10	Backload	
		10a	<b>Total</b>	Sum of 6-10
	Subbed Trip Costs	49	Subbed to CN Sites	
		50	Subbed to non-CN DHL Sites	
		51	Subbed External	
		52	<b>Total</b>	Sum of 49-51
	Revenue per RPE	31	Own Fleet	
		32	Subbed to CN Sites	
		33	Subbed to non-CN DHL Sites	
		34	Subbed External	
		35	Backload	
		35a	<b>Average</b>	10a / 5a
	Subcontracted Percentage	37	Subbed to CN Sites	
		38	Subbed to non-CN DHL Sites	
		39	Subbed External	
		40	<b>Total</b>	Sum of 37-39
3	Distance	11	Own Fleet	
		12	Subbed to CN Sites	
		13	Subbed to non-CN DHL Sites	
		14	Subbed External	
		15	Backload	
		15a	<b>Total</b>	Sum of 11-15
	Distance per RPE	26	Own Fleet	
		27	Subbed to CN Sites	
		28	Subbed to non-CN DHL Sites	
		29	Subbed External	
		30	Backload	
		30a	<b>Average</b>	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	<b>Total</b>	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	<b>Average</b>	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	<b>Average</b>	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:

ORACLE TRIPSUM v2.162 ALL

Sched 100103 Search ? Trip Manipulation

Refresh Trip Recalculate Times Revalidate Message Save Cancel Close Export

Sched/Batch No 100103 Not registered Trip No MAN-00470307 EFX Ref.

02/01/10 20:45 MAN-00470287 (ACCEPTED)

03/01/10 00:00 MAN-00470307 (PLANNED)

Fix	Date	Time	P	Arr	P	Dep	A	Arr	A	Dep	Type	Location	Town	Postcode	Trailer Type	Trailer Id	Break
1	03/01/10	00:00	00:30								SU	Bawtry_Excel Bawtry_D	Bawtry	DN11 9H	45FT		
2	03/01/10	02:14	02:56								DL	BIRDS EYE TEST	NVF	NVF	45FT		
3	03/01/10	04:42	05:12								CL	Bawtry_Excel Bawtry_DN	Bawtry	DN11 9H	45FT		

Weight on Departure 150.00 Activity OMS Ref RPE

RPE on Departure 11.40 Seq 1 Load 1001206 11.40

Km from previous stop 0

Time from prev stop 0

Sched 100103 Plan Reg From Loc From Wgt Vol RPE Refresh New Order

Layout 1: PO VIEW #1 Curr Loc Status SCHED\_COLL Current EXELBELI Bellshill\_Excel B

OMS Ref	Customer	From	From Town	From Postcode	To	To Town	To Postcode	Collect From	Until	Deliver From	Until	Status
1001066	KRAFT	EXELBAWT	Bawtry	DN11 9HE	MERSBIRK	Bromborough	CH62 3PT	02/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL
1001106	ACCANTIA	EXELBAWT	Bawtry	DN11 9HE	SCOTCHOV	NVF	ML12 6	03/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL
1001086	KRAFT	EXELBAWT	Bawtry	DN11 9HE	HIGHGLAS	Glasgow	G21 2XQ	03/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL

## 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:





ORACL

Order details for 1001066

ORDERS v2.119 ALL

Status: SCHED\_COLL Oms Ref: 1001066 Booking Ref: test Booked In: ☒ Customer Ref: test Del Point Ref: test

Lookup... View POD

Detail Order Items Add Detail SAP Detail MTM Info Audit Audit Archive Finance Non Conformance Payment Savings Trip Detail

Currency: GBP

Cost: 100.00 Costs Revenue: 290.32 Revenue

VAT: 0.00 VAT: 23.40

Total: 100.00 Total: 313.72

Allocated from Trip: 0.00

Standard Cost: 156.00 ☐ Do not recalc. VS Revenue: 0.00 Saving: 156.00 Savings

### 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:

ORACL

Trip Manipulation

Find Trip Filter Refresh Tree Refresh Trip Recalculate Times Revalidate Message Save Cancel Close Export TRIPSUM v2.162 ALL

Sched: 100103 Search: ? Sched/Batch No: 100103 Not registered Trip No: MAN-00470287 EFX Ref: ?

Trip Detail Stops Finance Audit

Currency: GBP

Trip Cost: 0.00 Payments Trip Revenue: 737.36 Payments

VAT: 0.00 VAT: 41.40

Allocable Cost: 0.00

MTM Cost: Apply

Payment Ref:

Sched: 100103 Plan Reg: From Loc: To Loc: From To Wgt: Vol: RPE: Refresh New Order

Layout: 1: PO VIEW #1 Curr Loc: Status: SCHED\_COLL Current: EXELBELI Bellshill\_Excel B

Oms Ref	Customer	From	From Town	From Postcode	To	To Town	To Postcode	Collect From	Until	Deliver From	Until	Status
1001066	KRAFT	EXELBAWT	Bawtry	DN11 9HE	MERSBIRK	Bromborough	CH62 3PT	02/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL
1001106	ACCANTIA	EXELBAWT	Bawtry	DN11 9HE	SCOTCHOV	NVF	ML12 6	03/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL
1001086	KRAFT	EXELBAWT	Bawtry	DN11 9HE	HIGHGLAS	Glasgow	G21 2XQ	03/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL

### 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



ORACLE

TRIP Manipulation

Find Trip Filter Refresh Tree Refresh Trip Recalculate Times Revalidate Message Save Cancel Close Export TRIPSUM v2.162 ALL

Sched 100103 Search ? Sched/Batch No 100103 Not registered Trip No MAN-00470307 EFX Ref.

02/01/10 20:45 MAN-00470287 (ACCEPTED)  
03/01/10 00:00 MAN-00470307 (PLANNED)

Fix	P	Arr	P	Dep	A	Arr	A	Dep	Type	Location	Town	Postcode	Trailer Type	Trailer Id	Break
1	03/01/10	00:00	00:30						SU	Bawtry_Exel Bawtry_DN	Bawtry	DN11 9H	45FT		
2	03/01/10	02:14	02:58						DL	BIRDS EYE TEST	NVF	NVF	45FT		
3	03/01/10	04:42	05:12						CL	Bawtry_Exel Bawtry_DN	Bawtry	DN11 9H	45FT		

Weight on Departure .00 Activity OMS Ref RPE  
RPE on Departure .00 Seq 1 Unload 1001206 11.40 Move  
Km from previous stop 193  
Time from prev stop 104

Sched 100103 Plan Reg From Loc From To Wgt Vol RPE Refresh New Order  
Layout 1: PO VIEW #1 Curr Loc Status SCHED\_COLL Current EXELBEL Bellshill\_Exel B Clear Order Filter

OMS Ref	Customer	From	From Town	From Postc	To	To Town	To Postcode	Collect From	Until	Deliver From	Until	Status
1001066	KRAFT	EXELBAWT	Bawtry	DN11 9HE	MERSBIRK	Bromborough	CH62 3PT	02/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL
1001106	ACCANTIA	EXELBAWT	Bawtry	DN11 9HE	SCOTCHOV	NVF	ML12 6	03/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL
1001086	KRAFT	EXELBAWT	Bawtry	DN11 9HE	HIGHGLAS	Glasgow	G21 2XQ	03/01/10 00:00	23:59	03/01/10 00:00	23:59	SCHED_COLL

## 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	Draft	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

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