291169 v1.0

Contents

1 291169

DHL C-TMS

Develop Driver's Manifest

FUNCTIONAL SPECIFICATION - 10.7

30/08/2011 - 1.0
Reference: FS 291169 AR-8KNK2F

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2 Functional Overview

2.1 Client Requirement

Change Request Summary:

Develop Driver?s Manifest/POD and allow output to be emailed / faxed to out-base location automatically.Paul McGoran/Manchester/UK/NFC

Change Request Details:

Drivers manifest as the SDD, with the exception:For the delivery stops, there is no need to show the list of items being delivered....so, this type of record will not be shown...Instead, just give the ticket record with 3 empty lines so that drivers can write the scrap ticket details.The ticket details should be enhanced to show the name / address of the scrap site in the same manner as the collections

Benefits identified as a result of the change:

Drivers have a hard copy document as well as the Microlise MDT

2.2 Solution

A new Drivers Manifest report will be developed. The report will be written in oracle reports and will be available as a PDF for emailing and faxing. The report will be named BGW_MANF and will be parameter driven based on a trip_id.

The report will be printed for each trip and will be designed as a header and detail report. The header section will display the following trip information.

TRIP_ID	SCH_TRIP.TRIP_ID
TRIP_START_TIME	SCH_TRIP_STOP.ARRIVAL (where stop type =?SU?)
ROUTE_CODE	SCH_TRIP.ROUTE_CODE
DRIVER_NAME	RES_PERSON.FORENAME / RES_PERSON.SURNAME (where id = sch_trip.driver_id)
VEHICLE CONTACT	RES_TRACTOR.CONTACT_NO
DRIVER MOBILE	RES_PERSON.CONTACT_NO
VEHICLE TYPE	SCH_TRIP_STOP.TRAILER_TYPE(where stop type =?SU?)
DEPOT	SCH_TRIP_STOP.LOCATION_ID (where stop type =?SU?)
SECOND MAN	RES_PERSON.FORENAME / RES_PERSON.SURNAME (where id = sch_trip.driver_id2)
START ODO	SCH_TRIP. ODO_START
END ODO	SCH_TRIP. ODO_END
DRIVER START TIME	SCH_TRIP.START_TIME
DRIVER END TIME	SCH_TRIP.END_TIME
FUEL DRAWN	SCH_TRIP.FUEL_DRAWN

The report detail will be based on each stop on the trip and will display the following information.

ADDRESS_LINE1 GEO_LOCATION.ADDRESS_LINE1 (where location_id = sch_trip_stop.location)
ADDRESS_LINE2 GEO_LOCATION.ADDRESS_LINE2 (where location_id = sch_trip_stop.location)
ADDRESS_LINE3 GEO_LOCATION.ADDRESS_LINE3 (where location_id = sch_trip_stop.location)

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TOWN	GEO_LOCATION.TOWN (where location_id = sch_trip_stop.location)
POSTCODE	GEO_LOCATION.POSTCODE (where location_id = sch_trip_stop.location)
JOB NO	SCH_ORD.BOOKING_REF (where oms_ref = SCH_HAULAGE_ACTIVITY.OMS_REF)
ITEM	SCH_ORDER_LINE.DU_TYPE
QTY	SCH_ORDER_LINE.QUANTITY
ACTUAL_QTY	SCH_ORDER_LINE.ACTUAL_QUANTITY
REASON	SCH_ORD_NON_CONFORM.REASON_CODE (where oms_ref = sch_order_line.oms_ref)

Unload stops will be displayed differently. The stop detail for unload stops is listed below

ADDRESS_LINE1	GEO_LOCATION.ADDRESS_LINE1 (where location_id = sch_trip_stop.location)
ADDRESS_LINE2	GEO_LOCATION.ADDRESS_LINE2 (where location_id = sch_trip_stop.location)
ADDRESS_LINE3	GEO_LOCATION.ADDRESS_LINE3 (where location_id = sch_trip_stop.location)
TOWN	GEO_LOCATION.TOWN (where location_id = sch_trip_stop.location)
POSTCODE	GEO_LOCATION.POSTCODE (where location_id = sch_trip_stop.location)

Rather than listing details of the order lines and quantities, blank lines will be provided for the driver to enter the information manually.

Faxing and E-mailing

When a trip is set to accepted, this will automatically trigger the manifest report to be run for the current trip. The report will be automatically faxed/ emailed to the owning depot based on the configuration set up for the depot location and message type TRIP_ACPT.

A new cost centre parameter will be created called MANIFEST_NAME and in this parameter the user will store the name of the manifest report , relevant to the cost centre. The cost centre parameter will be used in the message package to control which report is faxed/ emailed when a trip is set to Accepted.

2.3 Scope

This change will be applied to system 10.7.0

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3 Set-up

3.1 Pre-requisites

None

3.2 Menu Structure

?Unchanged?

3.3 Data

A new record will be added to the REP_REPORT table and the REP_REPORT_PARAM table.


```
Name          BGW_MANF
Report_Type   REP
Filename      BGW_MANF.rep
Printer_type  Laser
Orientation   Portrait
```

5 new records will be added to the REP_REPORT_PARAM table allowing the report to be run for a specific trip_id, from and to scheduled, customer and owning depot.


```
Report_Name  BGW_MANF
Report_Type  REP
Param_Type   PG_FFCHAR1
Param_Name   TRIP_ID
Conditional  O
Param_Title  Trip ID
```


```
Report_Name  BGW_MANF
Report_Type  REP
Param_Type   PG_SELECT_LIST1
Param_Name   P_START_SCHED
Conditional  O
Param_Title  From Schedule
```


```
Report_Name  BGW_MANF
Report_Type  REP
Param_Type   PG_SELECT_LIST2
Param_Name   P_END_SCHED
Conditional  O
Param_Title  To Schedule
```


```
Report_Name  BGW_MANF
Report_Type  REP
Param_Type   PG_SELECT_LIST3
Param_Name   P_CUSTOMER
Conditional  O
Param_Title  Customer
```

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Report_Name BGW_MANF
Report_Type REP
Param_Type   PG_LOV1
Param_Name P_DEPOT
Conditional   O
Param_Title   Owning Depot

3.4 Implementation Advice

A system super user will be required to set the COST CENTRE parameter MANIFEST_NAME for BGWCC.

PARAM_NAME   MANIFEST_NAME
VALUE   BGW_MANF
DESCRIPTION   Indicates which manifest report to distribute based on the cost centre of the trip.
CONFIG_BY   COST_CENTRE
CONFIG_BY_VALUE BGWCC

A super user will also be required t provide access to the report to the relevant user groups. This will be done using the Access Control screen.

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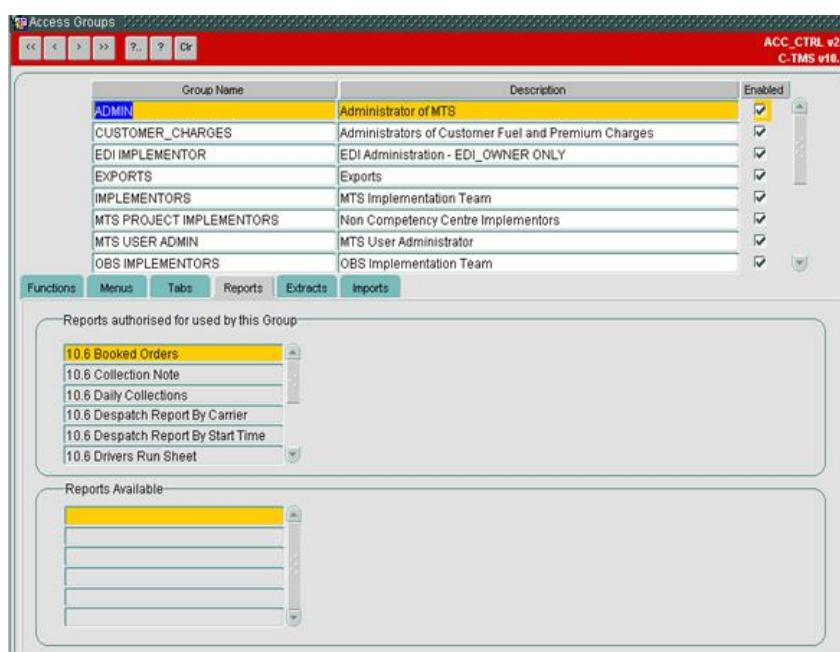
4 Functional Description

4.1 Report Design

The report will be created in Oracle Reports Developer and will be available to run on an ad-hoc basis from the Reports screen in C-TMS. When running the report from this screen, the user will be able to select records using TRIP_ID, SCHEDULE_FROM, SCHEDULE_TO, CUSTOMER and OWNING_DEPOT.
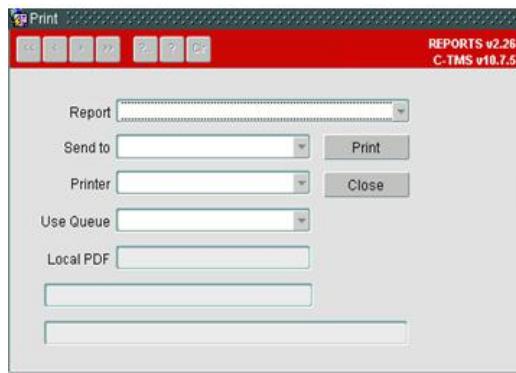
The report will be written as a header/ detail report, where the header will display Trip information and the details will display stop information.

The format of the report will be based on the existing Manifest used by engineers. Trip level data displayed is listed below:

TRIP_ID   SCH_TRIP.TRIP_ID
TRIP_START_TIME   SCH_TRIP_STOP.ARRIVAL (where stop type =?SU?)
ROUTE_CODE   SCH_TRIP.ROUTE_CODE
DRIVER_NAME   RES_PERSON.FORENAME / RES_PERSON.SURNAME (where id = sch_trip.driver_id)
VEHICLE CONTACT   RES_TRACTOR.CONTACT_NO
DRIVER MOBILE   RES_PERSON.CONTACT_NO
VEHICLE TYPE   SCH_TRIP_STOP.TRAILER_TYPE(where stop type =?SU?)
DEPOT   SCH_TRIP_STOP.LOCATION_ID (where stop type =?SU?)
SECOND MAN   RES_PERSON.FORENAME / RES_PERSON.SURNAME (where id = sch_trip.driver_id2)
START ODO   SCH_TRIP. ODO_START
END ODO   SCH_TRIP. ODO_END
DRIVER START TIME   SCH_TRIP.START_TIME
DRIVER END TIME   SCH_TRIP.END_TIME
FUEL DRAWN   SCH_TRIP.FUEL_DRAWN

The header will also include both the DHL and British Gas logos. The new manifest will be produced in the same format as currently provided by the incumbent system;

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The following data will be selected and displayed for Collection Stops:

ADDRESS_LINE1 GEO_LOCATION.ADDRESS_LINE1 (where location_id = sch_trip_stop.location)
ADDRESS_LINE2 GEO_LOCATION.ADDRESS_LINE2 (where location_id = sch_trip_stop.location)
ADDRESS_LINE3 GEO_LOCATION.ADDRESS_LINE3 (where location_id = sch_trip_stop.location)
TOWN   GEO_LOCATION.TOWN (where location_id = sch_trip_stop.location)
POSTCODE   GEO_LOCATION.POSTCODE (where location_id = sch_trip_stop.location)
JOB NO   SCH_ORD.BOOKING_REF (where oms_ref = SCH_HAULAGE_ACTIVITY.OMS_REF)
ITEM   SCH_ORDER_LINE.DU_TYPE
QTY   SCH_ORDER_LINE.QUANTITY
ACTUAL_QTY   SCH_ORDER_LINE.ACTUAL_QUANTITY
REASON   SCH_ORD_NON_CONFORM.REASON_CODE (where oms_ref = sch_order_line.oms_ref)

For Delivery stops, only the drop location will be selected and displayed. Rather than display a list of du types with quantities, an empty grid will be printed for the engineer to manually enter the information required. A sample of the format is displayed on the next page.

Enter your scrap-off details below:

Scrap-off Depot	Ticket Number	Weight

Carrier Licence Number: ACB/049560/CB
European Waste Code (EWC): 17.09.04

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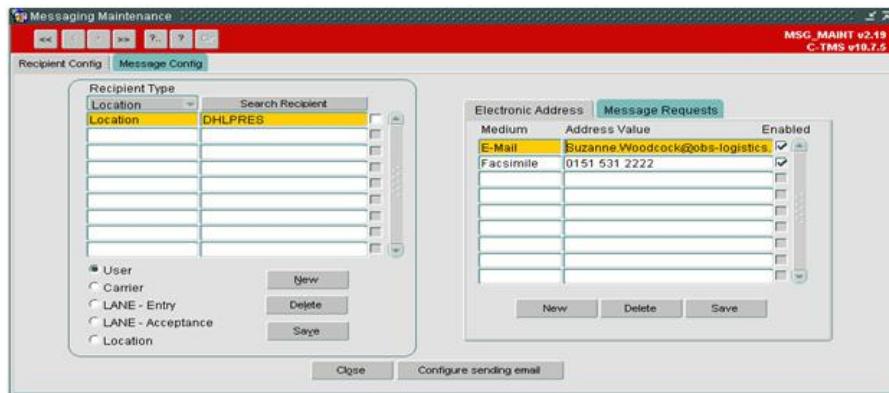
4.2 Auto Faxing and E-mailing

When a trip is set to Accepted status in C-TMS, this change of status will be the trigger to create and distribute the Manifest report to the relevant recipient. The report will be distributed based on the owning depot location. Users will be able to configure how a depot will receive the manifest report using the Message Maintenance screen in C-TMS

The e-mail subject will be derived from the existing system parameter MSG_SUBJECT_MANIFEST.

This is currently set up to display the Text ?Transport Confirmation - Ref? followed by the trip id. Any changes to the subject will require the system parameter to be amended to a cost centre parameter and the BGW specific text added.

When the trip is set to Accepted, a record will be inserted into the Message control table to generate the BGW_MANF report for the current trip. The record will wait to be processed by the existing message processing database job which runs every 5 minutes. The Message Package will be amended to process the request for a BGW_MANF based on the value of the new cost centre parameter MANIFEST_NAME.

Table Updates Required

No table changes are required for this development.

References

Ref No	Document Title & ID	Version	Date
1	EST 291169 AR-8KNK2F Develop Driver's Manifest v1.0	1.0	15/08/2011

Glossary

Term or Acronym	Meaning
C-TMS	Calidus TMS

Document History

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Version	Date	Status	Reason	Initials
0.1	26/08/2011	Draft	Initial version	SEW
0.2	30/08/2011	Draft	Reviewed	MJC
1.0	30/08/2011	Issue	Amended and Issued	SEW

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