

292358 v2.0

Aptean Ltd
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1 292358



DHL C-TMS

Control Tower Traffic Plan

FUNCTIONAL SPECIFICATION - 10.7

11/11/11 - 2.0

Reference: FS 292358 PM-8LZN2B



1.1 Client Requirement

Change Request Summary:

Control Tower Traffic Plan.

Change Request Details:

Control Tower Traffic Plan - modifications to existing functionality.

Benefits identified as a result of the change:

Solution Design Requirement.

1.2 Solution

A new report called 'PRIMARY TRIP STOP SHEET' will be created to be run from the 'Reports' screen in C-TMS.

The selection criteria will be:

- Schedule
- Owning Depot (optional)

The proposed layout of the report is shown in section 3.3.

The report will be a Java report and it will be specified and developed under RIO '292359 PM-8LZN6D Warburtons Portal'.

This RIO will be used to enable a Java report to be run within C-TMS from the 'Reports' menu screen.

1.3 Scope

This change will be applied to system version 10.7.0.



2 Set-up

2.1 Pre-requisites

None

2.2 Menu Structure

Unchanged

2.3 Data

The report and parameters will be created using the scripts in Appendix A.

2.4 Implementation Advice

The report will need to be made available for the specific user groups.



3 Functional Description

3.1 Report Parameters

A new report called ?PRIMARY TRIP STOP SHEET? will be created to be run from the ?Reports? screen.

The selection criteria will be:

- Schedule
- Owning Depot (optional)

A list of values will be available for the following parameter:

- Owning Depot (optional)

A dropdown list of values will be available for the following parameter:

- Schedule

Validation will be performed as follows:

- ?Schedule? is an active schedule.
- ?Owning Depot? is an active ?RDC? location and the user is based at the depot or is based at all depots.

The report and parameters will be created using the scripts in Appendix A.

The report will be made available for the specific user groups in the ?Reports? tab page in the ?Access Group? screen:

The screenshot shows the 'Access Groups' window with a red header bar containing navigation buttons and version information (ACC_CTRL v2.41, C-TMS v10.7.6). The main area contains a table with columns 'Group Name', 'Description', and 'Enabled'. Below the table are tabs for 'Functions', 'Menus', 'Tabs', 'Reports', 'Extracts', and 'Imports'. The 'Reports' tab is active, showing two sections: 'Reports authorised for used by this Group' and 'Reports Available'. The first section lists several reports, with '10.6 Booked Orders' selected. The second section lists 'Carrier Invoice' as available. At the bottom are buttons for 'New', 'Delete', 'Save', 'Close', 'Add All', and 'Remove All'.

Group Name	Description	Enabled
ADMIN	Administrator of MTS	☒
CUSTOMER_CHARGES	Administrators of Customer Fuel and Premium Charges	☒
EDI IMPLEMENTOR	EDI Administration - EDI_OWNER ONLY	☒
EXPORTS	Exports	☒
IMPLEMENTORS	MTS Implementation Team	☒
MTS PROJECT IMPLEMENTORS	Non Competency Centre Implementors	☒
MTS USER ADMIN	MTS User Administrator	☒
OBS IMPLEMENTORS	OBS Implementation Team	☒

Reports authorised for used by this Group

- 10.6 Booked Orders
- 10.6 Collection Note
- 10.6 Daily Collections
- 10.6 Despatch Report By Carrier
- 10.6 Despatch Report By Start Time
- 10.6 Drivers Run Sheet

Reports Available

- Carrier Invoice

The reporting method will be changed to enable a Java report to be run in C-TMS instead of an Oracle report.



3.2 Report Production

The report type of ?REP? will continue to be used for all reports, if they are Java based or Oracle based, because the Java reports will be identified with a report extension of ?jav?.

Keeping the report type of ?REP? will retain that the existing functionality to identify reports from exports.

The ?F_PRINT? function will be changed to assess whether the report has an extension of ?jav? specified and, if so, the parameters will be passed to a URL command called to produce the Java report.

The function will be changed to run the new URL command or the existing functionality to produce a standard Oracle report depending on the extension.

A new procedure called ?P_RUN_JAVA_PDF? will be created in the ?REP? package to run the report, the procedure will be able to receive up to 10 parameters for the selection criteria set in the ?Reports? screen.

A new system parameter called ?REP_JAVA_PDF? will be created to store the URL command for the database, e.g. <https://mtsi.dhl.com/INDPRD/Controller?app=TMS&pt=rep?>.

A new system parameter called ?REP_JAVA_PDF_DIR? will be created to store the directory for the converted PDF report, e.g. ?/u03/webint/mtstst/java_reps?.

A new system parameter called ?REP_JAVA_PDF_SHOW? will be created to store the directory to display the converted PDF report, e.g. ?/webint/saturn/mtstst/java_reps?.

```
t_dir := 'tmp/' || p_report_name || '_' || to_char(SYSDATE,'HH24MISS');UTL_HOST_CMD ('mkdir ' || t_dir);
t_rep_java_pdf := ADM.get_param_vchar('REP_JAVA_PDF');t_rep_java_pdf_dir :=
ADM.get_param_vchar('REP_JAVA_PDF_DIR'); UTL_HOST_CMD (t_rep_java_pdf || '&act=' || p_report_name || '&dir=?
|| t_dir || '&file=? || p_report_name || '&sched=? || p_schedule || '&depot=? || p_own_depot);UTL_HOST_CMD ('cp ' ||
t_dir || '/' || p_report_name || '.pdf ' || t_rep_java_pdf_dir);
```

The URL command to pass the parameters to the Java report will be as follows, for example:

https://mtsi.dhl.com/INDPRD/Controller?app=TMS&pt=rep&act=TRIP_SHEET_WB&dir=xxx&file=xxx&sched=xxxx&depot=xxx

&pt is the process type (e.g. report) &act is the process to call (i.e. something which identifies the java package to call e.g. ?TRIP_SHEET_WB?) &dir is the directory for the output &file is the filename for the output (i.e. without the extension because it will be added) &sched and &depot are the parameters specific to the report being called (e.g. ?Schedule? and ?Owning Depot?)

The parameters passed between the form and the package will be as follows:

- P_REPORT_NAME: Report Name (excluding the suffix ?rep?, e.g. ?TRIP_SHEET_WB?)
- P_SCHEDULE: Schedule
- P_OWN_DEPOT: Owning Depot

On return (of control) to the form the following commands will be run to display the report:

```
t_url := ADM.Get_Param_VChar( 'REP_JAVA_PDF_SHOW') || '/' || ?TRIP_SHEET_WB? || '.pdf?';
web.show_document(t_url);
```

The new procedure could be run from other forms if necessary.

N.B. The directory structure will be maintained per database.

3.3 Report Format

A new report called ?PRIMARY TRIP STOP SHEET? will be created as a Java report.

An example of the layout is shown below:





Schedule Date : 19/10/2011

PRIMARY TRIP STOP SHEET

TRIP_STOP_WB v1.0
MTS v10.7.0

Trip ID	MAN-0000001	Route Code	BOL DD1-1	Start Date	19/10/2011	Total Stack Qty	812
Tractor ID	AB01XYZ	Driver Name	A Newton	Start Time	14:00	Trip Status	PLANNED
Trailer ID	DD1234	Carrier	Bolton Fleet	End Time	01:45	Trailer Type	Double Deck
Stop Details	Location	Planned Arrival	Planned Departure	Number of Orders	Quantity		
					Stack	Bsk	Unit Pallet
1 Load	Bolton	19/10/2011 14:00	19/10/2011 14:00	5	110	5	0 0
2 Unload	Tuscany Park	19/10/2011 15:30	19/10/2011 16:15	5	110	5	0 0
3 Load	Tuscany Park	19/10/2011 16:15	19/10/2011 17:00	1	144	0	0 0
4 Unload	Bolton	19/10/2011 17:00	19/10/2011 17:45	1	144	0	0 0
5 Load	Bolton	19/10/2011 17:45	19/10/2011 18:30	1	56	3	5 0
6 Unload	Eastwood	19/10/2011 20:30	19/10/2011 21:15	1	56	3	5 0
7 Load	Eastwood	19/10/2011 21:15	19/10/2011 22:00	2	96	0	0 0
8 Unload	Runcorn	19/10/2011 00:00	19/10/2011 00:45	2	96	0	0 0
9	Bolton	19/10/2011 01:45			0	0	0 0

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3 Load	Tuscany Park	19/10/2011 16:15	19/10/2011 17:00	1	144	0	0 0
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5 Load	Bolton	19/10/2011 17:45	19/10/2011 18:30	1	56	3	5 0
6 Unload	Eastwood	19/10/2011 20:30	19/10/2011 21:15	1	56	3	5 0
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8 Unload	Runcorn	19/10/2011 00:00	19/10/2011 00:45	2	96	0	0 0
9	Bolton	19/10/2011 01:45			0	0	0 0

Print Date 19/10/2011 Time 06:00

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All of the selection criteria will be assessed at the trip level using the following database items:

Parameter	Database Item
Schedule	SCH_TRIP.SCHED_NAME
Owning Depot	SCH_TRIP.OWNING_DEPOT

Table Updates Required

The new report and parameters will be created using the following scripts:

[[Image:]] [[Image:]]

The new system parameters will be created using the following script:

[[Image:]]

Modules to be changed

Module Name	Module Type	Notes
REPORTS.fmb	Form	New report type
REP.sql	Package	New procedure

References

Ref No	Document Title & ID	Version	Date
1	EST-292358 PM-8LZN2B Control Tower Traffic Plan v1.0.doc	1.0	21/10/11

Glossary



Term or Acronym	Meaning
C-TMS	Calidus TMS

Document History

Version	Date	Status	Reason	Initials
0.1	01/11/11	Draft	Initial version	PDR
0.2	03/11/11	Draft	Reviewed	MJC
1.0	03/11/11	Issue	Issued	MJC
1.1	10/11/11	Draft	Changed to run a Java report from the ?Reports? screen in C-TMS.	PDR
1.2	11/11/11	Draft	Changed to use a URL to call the Java report instead of a script.	PDR
2.0	11/11/11	Issue	Reviewed and Issued	DJM



4 AUTHORISED BY

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