

**289051 v1.0**

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1 289051

**A**aptean

DHL C-TMS

# Automotive Microlise Updates

## FUNCTIONAL SPECIFICATION - 10.6

- 1.0

Reference: 289051 OB-8HGCRZ

## 1.1 Client Requirement

### Change Request Summary:

Change to the Existing Microlise interface to bring it back in line with Phase two project Delivery.

### Change Request Details:

The existing Microlise interface requires changing to allow for phase two functionality (the systematic collections) to be handled correctly. Currently, the interface between C-TMS and Microlise (via ESI) isn't working correctly. Outbound from C-TMS to Microlise, the journey update messages are causing validation errors at Microlise as we are breaking two of the primary keys within their database. From Microlise back to C-TMS, the sequence of the drops is incorrect, causing the debrief screen to be thrown out, and the times against the drops being in the wrong place. After investigation work by all 3 parties and the project team, a solution has been identified where certain messages will be being suppressed from C-TMS to Microlise, and to use the unique stop\_id (not visible to users but held within the database itself), as a unique stop number to be passed to Microlise.

## 1.2 Solution

The following changes will be made:

1. The collection details will be sent to Microlise for the dealerships if the system parameter ?MIC\_SUPPRESS\_ORDER\_SEGMENT? is set to ?TRUNK? and the trip is between an RDC location and a dealership location in either direction. At present this system parameter is set to ?TRUNK? for Automotive so only delivery activities at the order destination would be included.
1. The file received from Microlise creates a new order if the TMS order reference is null, if such an order is created then the source system of the order will be set to ?MIC? to identify these orders; therefore, when they are sent to Microlise the trip stop is only included if it contains at least one order not inserted by Microlise.

## 1.3 Scope

This change will be applied to system version 10.6.0.



## 2 Set-up

### 2.1 Pre-requisites

None

### 2.2 Menu Structure

?Unchanged?

### 2.3 Data

1. A new system parameter will be introduced (see Appendix A for the script for creation).
1. The new source system will be introduced (see Appendix A for the script for their creation).
1. The existing system parameter ?MIC\_SUPPRESS\_ORDER\_SEGMENT? should be set to ?TRUNK?.



## 3 Functional Description

### 3.1 System Parameters

A new system parameter called ?MIC\_USE\_STOP\_ID? will store a comma-delimited list of prefixes that will exclude the storage of a new asset.

The description of the system parameter will be:

?Determines if the stop ID or the stop sequence will be used by Microlise, if 'Y' then the stop ID will be used.?

### 3.2 ?INT\_XML\_MIC? Package

The following changes will be made to the ?INT\_XML\_MIC? package.

#### 3.2.1 Collection Details

The collection details will be sent to Microlise for the dealerships if the system parameter ?MIC\_SUPPRESS\_ORDER\_SEGMENT? is set to ?TRUNK? and the trip is between an RDC location and a dealership location in either direction. At present this system parameter is set to ?TRUNK? for Automotive so only delivery activities at the order destination would be included.

Trips may be considered in the examples below for when the system parameter is set to ?TRUNK?:

Source	Destination	From Type	To Type	Included
LOC1	LOC4	LOC1 ORIGIN	LOC2 RDC	N
		LOC2 RDC	LOC3 RDC	N
		LOC3 RDC	LOC4 BRANCH	Y
		LOC1 ORIGIN	LOC4 BRANCH	N
LOC4	LOC1	LOC4 BRANCH	LOC1 ORIGIN	N
		LOC4 BRANCH	LOC3 RDC	Y
		LOC3 RDC	LOC2 RDC	N
		LOC2 RDC	LOC1 ORIGIN	N

Deliveries to a dealership loaded from a RDC location and collections from a dealership to be unloaded at a RDC location will be included for orders on ?TRUNK? trips.

#### 3.2.2 Source System

The file received from Microlise creates a new order if the TMS order reference is null, if such an order is created then the source system of the order will be set to ?MIC? to identify these orders.

When they are sent to Microlise the trip stop will only be included if it contains at least one order not inserted by Microlise.

#### 3.2.3 Stop Sequences

The stop ID may be a hyphen-delimited list of stop IDs should the stops be consolidated.

#### Table Updates Required

The new system parameter may be created using the following script:

The new source system may be created using the following script:



## References

Ref No	Document Title & ID	Version	Date
1	EST-289051 OB-8HGCRZ Automotive Microlise Updates v1.0.doc	1.0	03/06/11

## Glossary

Term or Acronym	Meaning
C-TMS	Calidus TMS

## Document History

Version	Date	Status	Reason	Initials
0.1	03/06/11	Draft	Initial version	PDR
1.0	15/06/11	Issue	Reviewed and Issued	MJC



## 4 AUTHORISED BY

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