289163 v3.1

Aptean Ltd
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Contents

1 289163

DHL C-TMS

Web Service Functionality

FUNCTIONAL SPECIFICATION - 10.6

15/08/2011 - 3.1
Reference: FS 289163 PM-8HMA5K

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2 Functional Overview

2.1 Client Requirement

Change Request Summary:

Web service functionality to allow information retrieval from C-TMS.

Change Request Details:

Web service functionality to allow information retrieval from C-TMS. This to allow visibility of orders in C-TMS from the order input system which supports call centre activity on the British Gas project.

Benefits identified as a result of the change:

Functionality replacement to enable C-TMS Ethos migration project.

2.2 Solution

From the DHL developed British Gas Waste Call Logging application, there is a requirement to query an order and be able to display the current transport status / milestone across order management, planning, execution and debrief.

The query functionality will be developed by the DHL IT team and will be supported by a web service call directly to C-TMS to retrieve the required status tracking data for the order.

The web service will be developed by OBSL and will be exposed to allow external calls from other applications across the DHL network (and internet if required). A description of the operation offered by the service will be written in the Web Services Description Language (WSDL). The service will use Extensible Markup Language (XML) messages that follow the SOAP standard.

Operators will have the ability to initiate the call from within the call logging application on demand. There are 12 operator users in the call centre and it is anticipated that the web service will be utilised up to 100 times per day.

The call to C-TMS will be simple and only needs to contain the specific order reference that C-TMS will use to query the status tracking data.

This reference will be the main Call Logging Application (QJI) reference number which will be unique in C-TMS and stored in the customer reference field for each order (this reference is also known as external reference or SO reference).

Note that to future-proof the call, any one of the 4 main order references in C-TMS can be used in the Web Service call: either OMS reference, customer reference, booking reference or delivery point reference. The reference being used will be qualified in the call by a separate numeric field with allowed values of 1, 2, 3 or 4 to represent each of the available order reference types. N.B. For BG Waste, the BG reference will be stored as the customer reference in C-TMS.

To support audit visibility of the service, the request message will also contain a field for the username requesting the information from the call logging application and a field for the date and time the request was made.

C-TMS will process the request for the order and create a response message containing the following data:

OMS Reference (the C-TMS unique reference for the order)

Customer Reference (the latest reference with regard to rebooking)

Booking Reference

Delivery Point Reference

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Order Status

Location Name

Driver Name (if resource allocated)

Crew1 (if resource allocated)

Crew2 (if resource allocated)

Vehicle Registration (if resource allocated)

Completed Arrival Actual Date and Time (if debriefed)

Completed Depart Actual Date and Time (if debriefed)

Delivery Type

DU Type of order line

Product Type of order line

Planned Quantity of order line

Despatched Quantity of order line

Delivered quantity of order line

Debrief Reason Code and Description of order line (if debriefed)

Debrief Notes of order line (if debriefed)

The Order Status will be one of the following values;

NOTFOUND - no order retrieved for the query in C-TMS

UNKNOWN - order is found but status unknown (should never happen but included to cover any unforeseen circumstances)

CANCELLED - order has been cancelled

UNSCHEDULED - Waiting next planning cycle

SCHEDULED - planned on schedule

EN-ROUTE - vehicle is en-route

COMPLETED - debrief completed

CONFIRMED - collection (or delivery) confirmed as done

C-TMS will be developed to keep an audit transaction of each web service call processed as an audit log with date and time and user requesting the information. This logging data will be made available as a screen query in C-TMS which will be used to investigate any issues and confirm who made the request and when from the calling application.

2.3 Scope

This change will be applied to system version 10.7.

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3 Set-up

3.1 Pre-requisites

- The new database tables, sequence number and trigger have been created.
- The new form is authorised for use.
- The new system parameters have been created.

3.2 Menu Structure

The new form may be accessed using the following path:

- ?Administration? - ?Interfaces? - ?Web Service Audit?

3.3 Data

- The new database tables, sequence number and trigger may be created using the scripts in Appendix A.
- The new form may be made available using the scripts in Appendix A.
- The new system parameters may be created using the script in Appendix A.

3.4 Implementation Advice

The new ?OrderStatusReq? and ?OrderStatusResp? XSD files will be used.

4 Functional Description

4.1 ?WEB_SERVICE_AUDIT? Table

A new table called ?WEB_SERVICE_AUDIT? will be created as follows:

Column	Type	Nullable	Default	Storage	Comments
AUDIT_ID	NUMBER	N			
REF_TYPE	NUMBER	N			
REF_VALUE	VARCHAR2(30)	N			
ACTIVITY	VARCHAR2(1)	N			
USERNAME	VARCHAR2(50)	N			
ACTION_DATE	DATE	N			
RESPONSE_MESSAGE	CLOB	N			

4.1.1 ?TRG_WEB_SERVICE_AUDIT_BIU? Trigger

A new sequence number will be created to set a unique audit number for each transaction recorded via a trigger on the database table.

The system time of the audit transaction will be set from the system date and time via the same trigger.

4.1.2 ?SEQ_WEB_SERVICE_AUDIT? Sequence Number

The audit number will be incremented by 1 for each audit transaction and it will be stored in the ?AUDIT_ID? column.

4.1.3 System Parameters

The storage of the response message on the ?WEB_SERVICE_AUDIT? table may be controlled by a new system parameter:

- ?WEB_SERVICE_STORE_RESP?

?Determines if the message in response to the web server enquiry should be stored in the audit record - Y will store the message as a CLOB value.?

An archive process will be added to the House Keeping Package which will remove requests older than a number of days set within a new system parameter:

- ?WSA_ARCHIVE_DAYS?

?Determines the number of days that the web service messages will be retained in C-TMS prior to being archived.?

4.2 ?SCH_ORD_NON_CONFORM? Table

The existing ?SCH_ORD_NON_CONFORM? database table will be altered to store the DU type and product type for the non-conformance reason code received from Microlise for the order at the trip stop.

Two columns will be added with the following details:

Column	Type	Nullable	Default	Storage	Comments
DU_TYPE	VARCHAR2(12)	Y			
PRODUCT_TYPE	VARCHAR2(12)	Y			

4.3 ?AUTHENTICATION_KEYS? Table

A new table called ?AUTHENTICATION_KEYS? will be created as follows:

Column	Type	Nullable	Default	Storage	Comments
PROJECT	VARCHAR2(20)	N			
TYPE	VARCHAR2(20)	N			
KEY	VARCHAR2(25)	N			
EXPIRY_DATE	DATE	N			

4.4 Microlise XML Flow

The XML flow received from Microlise will be changed to update the DU type and the product type on the ?SCH_ORD_NON_CONFORM? table for the non-conformance recorded for the order item at the trip stop.

Procedure ?PROCESS_MIC_TRIP_XML_IN? will be changed for this purpose.

4.5 Web Service XML Flows

There will be separate XML formats for the inbound request (?OrderStatusReq?) and the outbound response (?OrderStatusResp?).

4.5.1 Authentication

The ?SOAP? request will need to provide a valid current authentication key for the request to be performed: the key provided will be referenced against the new ?AUTHENTICATION_KEYS? table using the following values:

Column	Value
PROJECT	?BGSW?
TYPE	?WEB_SERVICE?
KEY	APP_KEY tag value from ?OrderStatusReq?

4.5.2 OrderStatusReq

The request will provide 5 items:

1. APP_KEY
2. REF_TYPE
3. REF_VALUE
4. ACTIVITY
5. USERNAME

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These items will be under the following tag sections:

- OBS_XML
- ORDER_STATUS_REQUEST
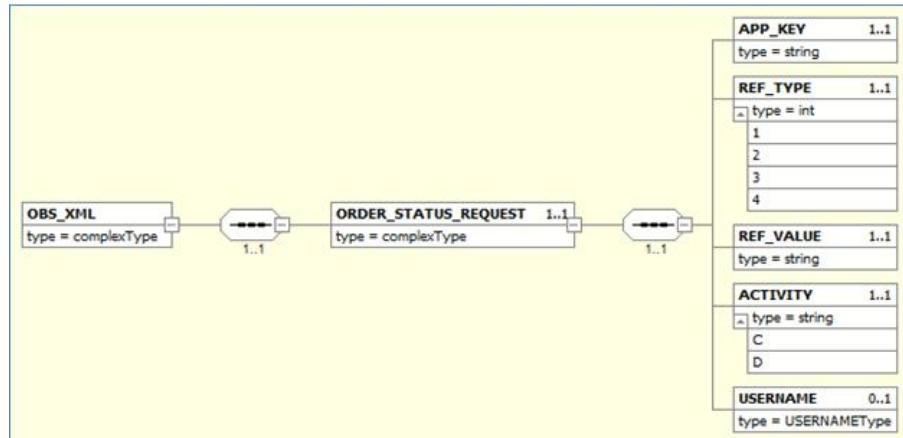
4.5.3 OrderStatusResp

The response will provide 24 items in total at 3 different levels:

1. OMS_REF
2. EXTERNAL_REF
3. BOOKING_REF
4. DEL_POINT_REF
5. ORDER_STATUS
6. LOCATION_NAME
7. POSTCODE
8. TRIP_NUMBER
9. PLAN_DATE_TIME
10. DRIVER_NAME
11. CREW1
12. CREW2
13. VEHICLE_REG
14. ACT_ARR_DATE_TIME
15. ACT_DEP_DATE_TIME
16. DELIVERY_TYPE_ID
17. DU_TYPE
18. PRODUCT_TYPE
19. PLANNED_QTY
20. DESPATCHED_QTY
21. DELIVERED_QTY
22. DEBRIEF_RC
23. DEBRIEF_ACTIVITY
24. DEBRIEF_NOTES

The trip and order level items (1-16) will be under the following tag sections:
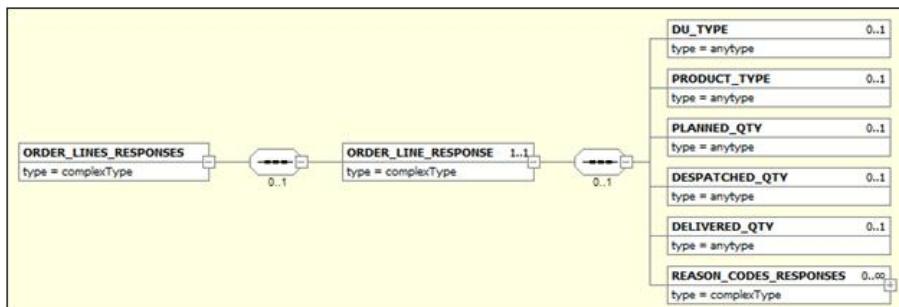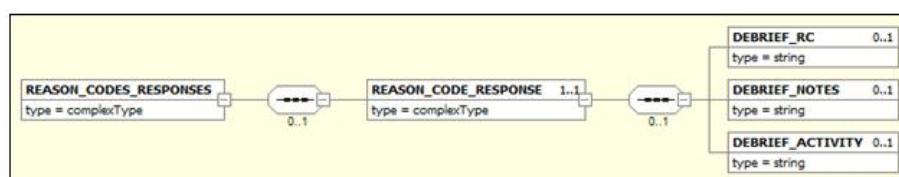
- OBS_XML
- ORDER_STATUS_RESPONSE

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OBS_XML (type = complexType) 1..1 → **ORDER_STATUS_RESPONSE** 1..1 (type = complexType) →

Element	Cardinality	Type
OMS_REF	0..1	type = string
EXTERNAL_REF	0..1	type = string
BOOKING_REF	0..1	type = string
DEL_POINT_REF	0..1	type = string
ORDER_STATUS	1..1	type = string
LOCATION_NAME	0..1	type = string
POSTCODE	0..1	type = string
TRIP_NUMBER	0..1	type = string
PLAN_DATE_TIME	0..1	type = dateTime
DRIVER_NAME	0..1	type = string
CREW1	0..1	type = string
CREW2	0..1	type = string
VEHICLE_REG	0..1	type = string
ACT_ARR_DATE_TIMI	0..1	type = dateTime
ACT_DEP_DATE_TIME	0..1	type = dateTime
DELIVERV_TYPE_ID	0..1	type = string
ORDER_LINES_RESPONSES	0..∞	type = complexType

The order line level items (17-21) will be under the following tag sections with a one-to-many relationship:

- ORDER_LINES_RESPONSES

ORDER_LINES_RESPONSES (type = complexType) 0..1 → **ORDER_LINE_RESPONSE** 1..1 (type = complexType) 0..1 →

Element	Cardinality	Type
DU_TYPE	0..1	type = anytype
PRODUCT_TYPE	0..1	type = anytype
PLANNED_QTY	0..1	type = anytype
DESPATCHED_QTY	0..1	type = anytype
DELIVERED_QTY	0..1	type = anytype
REASON_CODES_RESPONSES	0..∞	type = complexType

The order line?s reason code level items (22-24) will be under the following tag sections with a one-to-many relationship:

- REASON_CODES_RESPONSES

REASON_CODES_RESPONSES (type = complexType) 0..1 → **REASON_CODE_RESPONSE** 1..1 (type = complexType) 0..1 →

Element	Cardinality	Type
DEBRIEF_RC	0..1	type = string
DEBRIEF_NOTES	0..1	type = string
DEBRIEF_ACTIVITY	0..1	type = string

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4.6 ?Web Service Interface?

From the DHL developed British Gas Waste Call Logging application, there is a requirement to query an order and be able to display the current transport status / milestone across order management, planning, execution and debrief.

The query functionality will be developed by the DHL IT team and will be supported by a web service call directly to C-TMS to retrieve the required status tracking data for the order.

The web service will be developed by OBSL and will be exposed to allow external calls from other applications across the DHL network (and internet if required). A description of the operation offered by the service will be written in the Web Services Description Language (WSDL). The service will use Extensible Markup Language (XML) messages that follow the SOAP standard.

Operators will have the ability to initiate the call from within the call logging application on demand. There are 12 operator users in the call centre and it is anticipated that the web service will be utilised up to 100 times per day.

4.6.1 Requests

The call to C-TMS will be simple and only needs to contain the specific order reference type and value that C-TMS will use to query the status tracking data.

This reference will be the main Call Logging Application (QJI) reference number which will be unique in C-TMS and stored in the customer reference field for each order (this reference is also known as external reference or SO reference).

To support audit visibility of the service, the request message will also contain a field for the username requesting the information from the call logging application and a field for the date and time the request was made.

A summary of the requested values may be seen below:

Item	Value	Description
APP_KEY	Free Text	
	1	OMS Reference
	2	Customer Reference
REF_TYPE		
	3	Booking Reference
	4	Delivery Point Reference
REF_VALUE	Free Text	
	C	Collection from Source Location
ACTIVITY		
	D	Delivery at Destination Location
USERNAME	Free Text	

The value of the ?APP_KEY? will be used to determine if the application key provided is valid and the user may continue with the request.

The value of the ?REF_TYPE? will determine to which reference type the requested value refers and thus how the data is selected for the response.

The value of the ?ACTIVITY? will determine which leg of the order will be selected, i.e. ?C? will select the trip that contains the order being loaded at its source location and ?D? will select the trip that contains the order being unloaded at its destination location.

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The ?USERNAME? will be the name of the user making the request and will be stored for future reference.

4.6.2 Responses

C-TMS will process the request for the order and create a response message containing the following data:

Item	Description	Format
OMS_REF	OMS reference	VARCHAR2(12)
EXTERNAL_REF	Customer reference	VARCHAR2(20)
BOOKING_REF	Booking reference	VARCHAR2(20)
DEL_POINT_REF	Delivery point reference	VARCHAR2(20)
ORDER_STATUS	Calculated from the status of the order and/or trip	VARCHAR2(25)
LOCATION_NAME	Location name of the trip stop	VARCHAR2(50)
POSTCODE	Location postcode of the trip stop	VARCHAR2(9)
TRIP_NUMBER	Trip ID	VARCHAR2(12)
PLAN_DATE_TIME	Planned arrival date and time at the trip stop	YYYY-MM-DDTHH24:MI:SS
DRIVER_NAME	Driver name of the vehicle assigned to the trip	VARCHAR2(101)
CREW1	Name of the first crew member of the vehicle assigned to the trip	VARCHAR2(101)
CREW2	Name of the second crew member of the vehicle assigned to the trip	VARCHAR2(101)
VEHICLE_REG	Vehicle registration number of the tractor assigned to the first stop on the trip	VARCHAR2(12)
ACT_ARR_DATE_TIME	Actual arrival date and time at the trip stop	YYYY-MM-DDTHH24:MI:SS
ACT_DEP_DATE_TIME	Actual departure date and time at the trip stop	YYYY-MM-DDTHH24:MI:SS
DELIVERY_TYPE_ID	The delivery type of the order	VARCHAR2(35)
DU_TYPE	The delivery unit of the order line	VARCHAR2(12)
PRODUCT_TYPE	The product type of the order line	VARCHAR2(12)
PLANNED_QTY	The planned quantity of the order line	NUMBER(24,4)
DESPATCHED_QTY	The actual despatched quantity of the order line	NUMBER(24,4)
DELIVERED_QTY	The actual delivered quantity of the order line	NUMBER(24,4)
DEBRIEF_RC	Debrief reason code and description	VARCHAR2(50)
DEBRIEF_ACTIVITY	Debrief activity	VARCHAR2(20)
DEBRIEF_NOTES	Debrief notes	VARCHAR2(256)

These values will be obtained from the database tables as follows:

Item	Database Table	Database Column
OMS_REF	SCH_ORD	OMS_REF
EXTERNAL_REF	SCH_ORD	EXTERNAL_REF
BOOKING_REF	SCH_ORD	BOOKING_REF
DEL_POINT_REF	SCH_ORD	DEL_POINT_REF
ORDER_STATUS	Calculated	
LOCATION_NAME	GEO_LOCATION	LOCATION_NAME
POSTCODE	GEO_LOCATION	POSTCODE
TRIP_NUMBER	SCH_TRIP	TRIP_ID
PLAN_DATE_TIME	SCH_TRIP_STOP	ARRIVE
DRIVER_NAME	RES_PERSON	FORENAME + ? ? + SURNAME
CREW1	RES_PERSON	FORENAME + ? ? + SURNAME
CREW2	RES_PERSON	FORENAME + ? ? + SURNAME
VEHICLE_REG	SCH_TRIP	TRACTOR_ID
ACT_ARR_DATE_TIME	SCH_TRIP_STOP	ACTUAL_ARRIVE

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ACT_DEP_DATE_TIME	SCH_TRIP_STOP	ACTUAL_DEPART
DELIVERY_TYPE_ID	SCH_ORD	DELIVERY_TYPE_ID
DU_TYPE	SCH_ORDER_LINE	DU_TYPE
PRODUCT_TYPE	SCH_ORDER_LINE	PRODUCT_TYPE
PLANNED_QTY	SCH_ORDER_LINE	QUANTITY
DESPATCHED_QTY	SCH_ORDER_LINE	ACTUAL_DESPATCHED_QUANTITY
DELIVERED_QTY	SCH_ORDER_LINE	ACTUAL_QUANTITY
DEBRIEF_RC	SCH_ORD_NON_CONF + SCH_LATE_CODES	REASON_CODE + ? ? + DESCRIPTION
DEBRIEF_ACTIVITY	SCH_ORD_NON_CONF	ACTIVITY
DEBRIEF_NOTES	SCH_ORD_NON_CONF	COMMENTS

N.B. If the order is not assigned to a trip then only the order references and the order status may be determined.

N.B. It will be assumed that the order is included once on trip stops at either its source or destination location.

N.B. It will be assumed that only one reason code will be entered as a non-conformance for the ?Load? or ?Unload? activity of the order at the trip stops.

The ?Order Status? will be one of the following values:

Order Status	Description
NOTFOUND	No order retrieved for the query in C-TMS
UNKNOWN	Order is found but status is unknown (this should never happen but is included to cover any unforeseen circumstances)
CANCELLED	Order has been cancelled
UNSCHEDULED	Order is waiting the next planning cycle
SCHEDULED	Order is planned on scheduled trip
EN-ROUTE	Order is on a vehicle and is en-route
COMPLETED	Order debrief is complete
CONFIRMED	Order collection (or delivery) is confirmed as done

The order status is not simply the status of the order in C-TMS as the status of the current trip that contains the order will also be assessed.

An order status of ?UNKNOWN? will be applied if the order is found but another status cannot be set.

Once the order is assigned to a trip then the status of the trip will determine the ?Order Status? in the response message: if the status of the trip is ?EN-ROUTE?, ?CONFIRMED? or ?COMPLETED? then that status will be used, otherwise ?SCHEDULED? will be used.

The XML response will be stored as the ?Response Message? on the new ?WEB_SERVICE_AUDIT? table should the new system parameter ?WEB_SERVICE_STORE_RESP? be set to ?Y?.

The response will be produced in 3 possible levels:

1. Trip and Order Header (related to the trip stop activity and the OMS reference)
2. Order Lines (related to the order lines of the OMS reference)
3. Reason Codes (related to the non-conformance reason codes of the order lines)

An order line may be identified using the combination of DU type and product type.

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4.6.2.1 Rebooking

- If the order has been rebooked (e.g. because it has failed collection) then the C-TMS order will be copied and the customer reference suffixed with ?_R{SEQUENCE_NUMBER}?.
- If an order has been rebooked then the latest order will be found for the original customer reference, e.g. ?CUST123_R2? will be second rebooking for the original customer reference ?CUST123?.
- The same logic will be applied for the ?Booking Reference? and the ?Delivery Point Reference? although a suffix will not be generated for these reference types, therefore the latest order will be found for these reference types.
- The same logic will not be applied to the OMS reference because it is always unique and a new OMS reference number will be generated for each rebooking.

4.7 ?ORION? Menu Structure

The new ?Web Service Audit Enquiry? screen will be added to the menu structure as follows:

?Administration? - ?Interfaces? - ?Web Service Audit?

The ?ORION? menu will be updated to include the path shown above.

4.8 ?Web Service Audit Enquiry? Screen

A new form called ?WEB_SERV_AUDIT? will be created with the name ?Web Service Audit Enquiry? in the main screen.

The screen will be available from the ?Administration? - ?Interface? menu with the title ?Web Service Audit? and will be authorised for use by specific user groups in the ?Access Control? screen.

The screen will display the audit trail captured from each web service call processed by the users.

There will be selection criteria available as fields at the top of the screen:
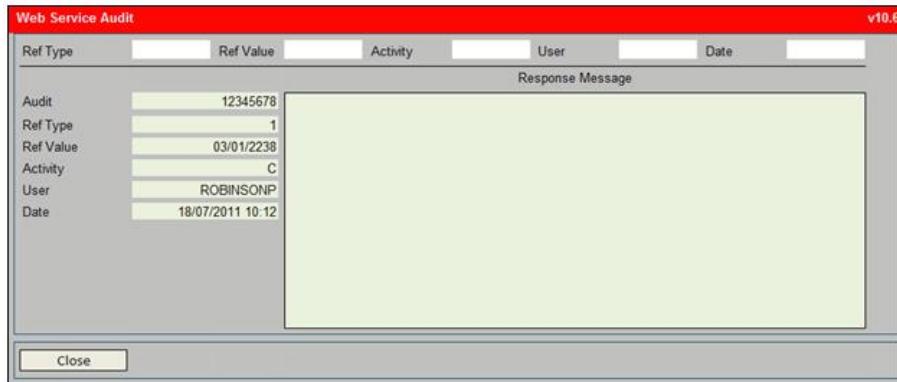
- Ref Type
- Ref Value
- Activity
- User
- Date

The selection criteria will then be used to display the relevant audit transactions recorded in columns with the following headings:

- Audit
- Ref Type
- Ref Value
- Activity
- User
- Date
- Response Message

The ?Response Message? will be a ?CLOB? value of the XML created and may be viewed in a separate adjacent window to the right of the audit fields.

An example of the proposed layout is below:

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There will be 5 optional selection parameters available to filter the data:

- Ref Type
- Ref Value
- Activity
- User
- Date

The ?Response Message? will be displayed and will contain the actual message generated in response to the web service request.

Clicking 'Close' will close the screen and return the user to the C-TMS menus.

N.B. None of the information displayed may be changed or deleted, nor may any records be added.

The audit transactions will be obtained from the new ?WEB_SERVICE_AUDIT? table:

Column Heading	Database Column
Audit	AUDIT_ID
Ref Type	REF_TYPE
Ref Value	REF_VALUE
Activity	ACTIVITY
User	USERNAME
Date	ACTION_DATE
Request Message	REQUEST_MESSAGE
Response Message	RESPONSE_MESSAGE

The ?Transaction Date/Time? will have the format ?DD/MM/YYYY HH24:MI:SS?.

Table Update Required

A new database table called ?WEB_SERVICE_AUDIT? may be created using the following scripts:

```
create table WEB_SERVICE_AUDIT (

        AUDIT_ID                NUMBER          not null,
        REF_TYPE                NUMBER          not null,
        REF_VALUE               VARCHAR2(30)    not null,
        ACTIVITY                VARCHAR2(1)     not null,
        USERNAME                VARCHAR2(50)    not null,
        ACTION_DATE             DATE            not null,
```

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```
        RESPONSE_MESSAGE          CLOB
```

) -- Create/Recreate primary, unique and foreign key constraints alter table WEB_SERVICE_AUDIT

```
        add constraint PK_WS_AUDIT_ID primary key (AUDIT_ID);
```

-- Grant/Revoke object privileges grant select, insert, delete, update, alter on WEB_SERVICE_AUDIT to MTS_USER; grant select on WEB_SERVICE_AUDIT to MTS_USER_READ_ONLY; -- Create public synonym create public synonym WEB_SERVICE_AUDIT for WEB_SERVICE_AUDIT; /

create table AUTHENTICATION_KEYS (

```
        PROJECT                   VARCHAR2(20)    not null,
        TYPE                      VARCHAR2(20)    not null,
        KEY                       VARCHAR2(25)    not null,
        EXPIRY_DATE               NUMBER          not null
```

) -- Grant/Revoke object privileges grant select, insert, delete, update, alter on AUTHENTICATION_KEYS to MTS_USER; grant select on AUTHENTICATION_KEYS to MTS_USER_READ_ONLY; -- Create public synonym create public synonym AUTHENTICATION_KEYS for AUTHENTICATION_KEYS;

The database table ?SCH_ORD_NON_CONFORM? will be altered using the following script:

alter table SCH_ORD_NON_CONFORM add (DU_TYPE VARCHAR2(12),PRODUCT_TYPE VARCHAR2(12)); /

A new sequence number for ?WEB_SERVICE_AUDIT? may be created using the following script:

-- Create sequence create sequence SEQ_WEB_SERVICE_AUDIT minvalue 1 maxvalue 999999999999999999999999 start with 1 increment by 1 cache 20; -- Grants grant select, alter on SEQ_WEB_SERVICE_AUDIT to MTS_USER; grant select on SEQ_WEB_SERVICE_AUDIT to MTS_USER_READ_ONLY; -- Create public synonym create public synonym SEQ_WEB_SERVICE_AUDIT FOR SEQ_WEB_SERVICE_AUDIT; /

A new trigger for ?WEB_SERVICE_AUDIT? may be created using the following script:

CREATE OR REPLACE TRIGGER TRG_WEB_SERVICE_AUDIT_BIU

```
        BEFORE INSERT
        ON WEB_SERVICE_AUDIT
        REFERENCING NEW AS NEW OLD AS OLD
        FOR EACH ROW
```

DECLARE

```
        v_action VARCHAR2(2000);
```

BEGIN

```
        IF INSERTING THEN
          NEW.AUDIT_ID := SEQ_WEB_SERVICE_AUDIT.nextval;
        END IF;
```

END; /

The new ?WEB_SERV_AUDIT? form may be made available for use using the following scripts:

-- Update table insert into adm_group_menu (menu_string,group_name,menu_label,display_in_menu) values ('INTERFACES.WEB_SERV_AUDIT','ADMIN','Web Service Audit','N'); /

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-- Update table insert into adm_menu_item (menu_name,form_name,menu_type,parent_menu,menu_label) values ('WEB_SERV_AUDIT','WEB_SERV_AUDIT','F','INTERFACES','Web Service Audit'); /

The new ?WEB_SERVICE_STORE_REQ? and ?WEB_SERVICE_STORE_RESP? system parameters may be created using the following script:

INSERT INTO ADM_SYSTEM_PARAM (PARAM_NAME,VALUE,DATA_TYPE,MAX_LENGTH,DISPLAYED,USER_MODIFIABLE,DESCRIPTION,CREATED_BY,CREA VALUES ('WEB_SERVICE_STORE_RESP','N','S',1,'Y','N','Determines if the message in response to the web server enquiry should be stored in the audit record - Y will store the message as a CLOB value.','OBS',SYSDATE,'OBS',SYSDATE,'SYSTEM','NONE'); INSERT INTO ADM_SYSTEM_PARAM (PARAM_NAME,VALUE,DATA_TYPE,MAX_LENGTH,DISPLAYED,USER_MODIFIABLE,DESCRIPTION,CREATED_BY,CREA VALUES ('WSA_ARCHIVE_DAYS?','1','N',1,'Y','N','Determines the number of days that the web service messages will be retained in C-TMS prior to being archived.','OBS',SYSDATE,'OBS',SYSDATE,'SYSTEM','NONE'); /

References

Ref No	Document Title & ID	Version	Date
1	EST-289163 PM-8HMA5K Web Service Functionality v1.0.doc	1.0	06/07/11

Glossary

Term or Acronym	Meaning
C-TMS	Calidus TMS
OBSL	OBS Logistics
SOAP	Simple Object Access Protocol
WSDL	Web Services Description Language
XML	Extensible Markup Language
XSD	XML Schema Definition

Document History

Version	Date	Status	Reason	Initials
0.1	19/07/11	Draft	Initial version	PDR
0.2	20/07/11	Draft	Review	MJC
0.3	22/07/11	Draft	Review	DJM
0.4	22/07/11	Draft	Added crew members to response	PDR
1.0	22/07/11	Issue	Reviewed and Issued	MJC
1.1	25/07/11	Draft	Added section 3.4.2.1 about rebooking	PDR
2.0	25/07/11	Issue	Reviewed and re-issued	MJC
2.1	02/08/11	Draft	Added order line and reason code levels to response	PDR
3.0	02/08/11	Issue	Reviewed and Issued	MJC
3.1	15/08/11	Draft	Updated to OrderStatusResponse.xsd v1.3	PDR

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