STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	**DHLT**	**Project**	**AA**	**Site**	**-**
Client Reference	**WREQ0130528**	**Aptean Reference**	**05695722**	**Estimate Version**	**0.01**
Prepared By	**A N Walker**			**Estimate Date**	**15/08/2025**
Invoice Reference	**-**			**Priority**	**-**
Customer	**Ford**			**System Version**	**12.48**

Client Request

Ford are introducing a new SAP system and a new inbound interface format.

Copy of the Ford specification attached.

We will use DHL Link to translate the message to a more standard inbound format or use a one to one interface. The plan is to capture the same data as current

Please note that this request is linked to the outbound tracking request on WREQ0127859. We need to ensure we have all the information that we need for the tracking.

Aptean Solution

The Ford Inbound Orders EDI process currently:

- Finds the order
- Stores the items and contents onto standard EDI tables
- Then processes them to update the order
    - Adds Items
    - Adds contents
    - Generates lines

The process does not currently update or store the individual shipment IDs for each order on each item.

The process will be modified to:

- Change the mapping of the header elements
- Store the order references as new order reference FORD_SHIPMENT_ID.
- Use an optional EDI parameter VERSION, to control whether this is using the old or new versions of the import file.

An implementation script will be created to create the new parameters and references.

Note: This process will support both versions of the EDI formats provided, but **not** at the same time, so the implementation must be a controlled swap-over.

The process will be modified to add a VERSION parameter. If this is explicitly set to "1", then the process will run the old import. Otherwise, this will run the new import specified here.

The fields used for the header information will be modified as follows:

- Old Format (v1) - New Format (v2)
- Shipment (shipment_id attribute) - FreightOrderId
- shipping_location - InitialSourceLocation
- carrier - CarrierID
- truck_license_plate - TruckLicensePlateID
- seal_number - N/A
- shipping_date - DateAndTime
- shipto_location - ArrivalLocation
- N/A - LogisticalExecutionStatus

Note: It is assumed that the data content is not changing, just the labels. If this is not the case, the estimate must be revisited.

Note: It is assumed that the structure of the pallets information is not changing (as no format has been provided). If this is not the case, the estimate must be revisited.

The system must be configured to allow multiple order references.

The system parameter "ALLOW_MULTIPLE_ADD_REFS" should be set to "Y" for the appropriate cost centre.

Note that the DHL AA system is already configured for this, but should be checked for the cost centre (implementation task).

The process will be modified to store the order references from FreightOrderId as order references against the template order - there could be many.

Cost Details			
Activity	**Hours**	**Rate per hour (£)**	**Cost (£ Exc. VAT)**
Requirements	0.00	152.00	£0.00
Change Request Evaluation	6.00	152.00	£912.00
Functional Specification	7.50	152.00	£1,140.00
Technical Specification	0.00	152.00	£0.00
Development	37.50	152.00	£5,700.00
Testing and Release	7.50	152.00	£1,140.00
Implementation	0.00	152.00	£0.00
Project Management	12.00	152.00	£1,824.00
TOTAL (FIXED COST)	70.50		£First argument to "number_format" must be a number.

Contents

1 EST 329177 TJ-9ZGAQR Changes to Return To Base Report

aptean

STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	**DHLT**	**Project**	**IND**	**Site**	**IN-BATH**
Client Reference	**TJ-9ZGAQR**	**Aptean Reference**	**329177**	**Estimate Version**	**2.0**
Prepared By	**A N Walker**			**Estimate Date**	**24/08/15**
Invoice Reference	**GBMD30 . 10653 . 100089 . 123**			**Priority**	**2**
Customer	**Bathstore**			**System Version**	**11.15**

Client Request

Changes are required to the Return to Base report to bring it in line with requirement: Change the selection of Delivery records to select all orders with reason codes types HELD and RTB. i.e. anything that was scheduled to be delivered, but was not, regardless of reason. And any collections that were successfully collected. Display the Action against the reason code in the report in for each item in the report i.e. HELD or RTB.

Aptean Solution

The Return to Base report will be modified as follows:

- Currently the report selects Delivery orders with Order (Late) reason code of action RTB. Change the selection of Delivery orders to select all orders with Order reason codes types HELD and RTB.
- Currently the report selects only Delivery reason codes of Failure type, action RTB. Change the selection of Delivery Order Items to select anything with any failure reason code assigned to it i.e. anything that was scheduled to be delivered, but was not, regardless of reason.
- The selection of Collections will be unaffected i.e. any collections that were successfully collected.
- The report will be modified to add a new column to display the Action against the reason code in the report in for each row in the report i.e. HELD or RTB. This will be titled "Hold or Return".
- A new column will be added between "Product Code" and "Description", labelled as "DIDC2 Location". This will be blank at all times, and is used for the DIDC2 staff to note the aisle or location into which the returned stock is located.
- The "Quantity" column will be relabelled "Qty" and have a reduced width.
- "Product Code" and "Description" columns will be reduced in width to provide room for the two new columns.

The expected column layout is as below:

Drop	Order Ref	Type	Product Code	DIDC2 Location	Description	Qty	Collection Reason Code	Failure Reason Code	Checked By	Comments	Hold or Return
21.01	12578066	D	20004010160		METRO DECK MOUNTED HOT & COLD VALVES PAIR CHR KL350DC	1		M			RTB

The report will display:

- For Collections, all items and the confirmed collected item quantity and Collection Reason Code. No Failure reason code or action will be displayed against these lines.
- For Deliveries, a line for all failure-type reason codes on all items delivered, with the reason code, quantity and action displayed against it. If no action is specified against a failure reason code, this will be displayed blank.

Cost Details

Activity	Hours	Rate per hour (£)	Cost (£ Exc. VAT)
Requirements	0.50	152.00	£76.00
Change Request Evaluation	0.25	152.00	£38.00
Functional Specification	0.00	152.00	£0.00
Technical Specification	0.00	152.00	£0.00
Development	0.50	152.00	£76.00
Testing and Release	0.25	152.00	£38.00
Implementation	0.25	152.00	£38.00
Project Management	0.25	152.00	£38.00

TOTAL	2.00		£304.00

Estimate excludes training, release to live and go live support.

2 EST 329393 AR-9ZGLFA Microlise Barcode Scanning

aptean

STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	**DHLT**	**Project**	**IND**	**Site**	**IN-BATH**
Client Reference	**AR-9ZGLFA**	**Aptean Reference**	**329393**	**Estimate Version**	**1.0**
Prepared By	**A N Walker**			**Estimate Date**	**25/08/15**
Invoice Reference	**GBMD30 . 10653 . 100089 . 123**			**Priority**	**3**
Customer	**Bathstore**			**System Version**	**11.15**

Client Request

Support barcode scanning at point of delivery with updates to interfaces and any affected reports.

KER-CTMS - Delivery/Collection Lines

- <ORDER_DETAIL> section to be generated once for every unique value of input field Panther_Bar_Code within input field Product_Code within input field ConsignmentNo.
- PALLET_ID item to be populated from input field Panther_Bar_Code

So, for Delivery lines, we should get a rolled-up quantity, weight and dims per label. For Collection lines, we would get the same, but as the items would not have a label ID, they would sum at Product level, which is what we want.

Microlise JourneySchedule

- consDetailInfo1 populated from PALLET_ID

Bearing in mind what we discussed on the call, this field seems the best as it's consistent in its use (i.e. we use the same field in the PODPOC), it's one of the fields Microlise said we could use, and it's not already in use in the mapping. From an OBS perspective, we can achieve this through setting a Cost Centre-level system parameter, which then populates the tag in the OBS XML. We would need to test that nothing else is affected, and that this doesn't require changes to XSD's within DHL Link.

Microlise PODPOC

- PALLET_ID item to be populated from input field consDetailInfo1

Note: The MSD document is out of date (the one I have seems to be an old format) - PALLET_ID is not in this format and should be added after ITEM_DESCRIPTION.

The rest of the interfaces are unaffected, namely:

- Order Creation - At Order Header level, not at item level, so unaffected.
- Paragon Import/Export - At Order Header level, not at item level, so unaffected.
- Loading Plan export to Kerridge - At Order Header level, not at item level, so unaffected.
- JourneySummary - At Trip Stop level, not Item level, so unaffected.

Morning Reports

The change to the Morning Reports (Failed Orders Report) could be achieved in 2 ways:

- Consolidate the figures on the report to a Product level
- Add the Pallet ID to the report.

In essence, the reports will run without this change, but the Product will repeat and the quantity will always be 1 for deliveries. Adding this is the complete solution.

Aptean Solution

For the Bathstore Project, the initial requirements were that drivers would confirm quantity totals on the Microlise SmartPod device. To enable drivers to scan the barcode label of each item to confirm delivery, changes are required in C-TMS. The main change is to receive the barcode label numbers per item from the Kerridge interface and store them against the transport order in C-TMS and then send them on to Microlise. This means that each individual delivery item for each order has to be stored in C-TMS with its corresponding label number (rather than just a list of product codes and quantity) and then debriefed and where appropriate reported at this level as well.

This will be achieved using the existing Pallet ID field against the items. As an existing field, this is already visible (or can be made visible) against the items in the Orders screen. That means the following mapping:

- ITEM_IDENTIFIER - The Product Code (unchanged)
- ITEM_AKA_CODE - The Customer Return Code (CRC) (unchanged)
- ITEM_DESCRIPTION - The Product Description (unchanged)
- PALLET_ID - the Panther Barcode (additional mapping).

This will generate some changes to the Morning reports to add this field, and potentially some changes to the Microlise Import and Export. The DHL Link mapping for Order Details, Microlise journeySchedule and PODPOC will change slightly, to add in the mapping of this PALLET_ID field.

KER-CTMS - Delivery/Collection Lines

- <ORDER_DETAIL> section to be generated once for every unique value of input field Panther_Bar_Code within input field Product_Code within input field ConsignmentNo.
- PALLET_ID item to be populated from input field Panther_Bar_Code

Microlise JourneySchedule

- consDetailInfo1 populated from PALLET_ID

The population of this field will be achieved through setting a Cost Centre-level system parameter, which then populates the tag in the OBS XML. The sending procedure will be modified to ensure that the setting of this parameter will not affect any other functionality.

Microlise PODPOC

- PALLET_ID item to be populated from input field consDetailInfo1

The following reports will also require modification:

Morning Reports

The Failed Orders Report shows all the items that have failed delivery. Currently this is at Item level, but does not show the actual Label ID. The Pallet ID (where the Label ID is being stored) will be added to the report in a new column. This will be populated for the lines relating to Delivery orders and blank for lines relating to Collection orders.

Return to Base Report

This report shows all the items that have been returned. Currently this is at Item level, but does not show the actual Label ID. The Pallet ID (where the Label ID is being stored) will be added to the report in a new column. This will be populated for the lines relating to Delivery order and the quantity against these lines will always be 1. For lines relating to Collection orders, the Label ID will be blank and the quantity will show as the amount collected.

Note: This change includes provision for up to 1 day to aid with the DHL Link mapping exercise.

Cost Details			
Activity	**Hours**	**Rate per hour (£)**	**Cost (£ Exc. VAT)**
Requirements	1.00	152.00	£152.00
Change Request Evaluation	0.75	152.00	£114.00
Functional Specification	2.00	152.00	£304.00
Technical Specification	0.00	152.00	£0.00
Development	4.00	152.00	£608.00
Testing and Release	0.50	152.00	£76.00
Implementation	1.25	152.00	£190.00
Project Management	0.50	152.00	£76.00
TOTAL	10.00		£1,520.00

Estimate excludes training, release to live and go live support.

3 EST-04519516 WREQ0127859 - New Ford Tracking Interface

aptean

STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	**DHLT**	**Project**	**AA**	**Site**	**-**
Client Reference	**WREQ0127859**	**Aptean Reference**	**04519516**	**Estimate Version**	**1.00**
Prepared By	**A N Walker**			**Estimate Date**	**08/08/2025**
Invoice Reference	**-**			**Priority**	**-**
Customer	**Ford**			**System Version**	**12.48**

Client Request

A new interface is required for Ford.

It needs to contain Ford shipment ID, dealer code, date and arrival time at the delivery point. Please use the same logic as developed for Tesla tracking for the arrival time and date.

We will use DHL Link to translate into the Ford outbound file but for information the format is attached.

(Attachment: TransportationOrderRequest.pdf)

Aptean Solution

To achieve the requirements, the existing Tesla Tracking EDI process will be modified.

In general, the tracking processes will be modified so that:

- The specified customer will determine which decodes to use.
- Explicit lists of EDI processes can be listed that are part of this tracking (i.e. this AA Tracking for 3rd-parties)
- The process will be modified to translate (decode) the Ford dealerships, DU Types and Locations.
- The process will be modified to allow for a selection of which events are active for that particular EDI process.

The changes will be written in such a way that the new functionality will not affect the existing TESLA functionality, and the existing TESLA_TRACKING EDI process already created will not require any modification to continue to run as it does now.

When the software is released, the following actions will be required:

- A new FORD_TRACKING EDI Process will need to be created, just for tracking event DEL.
- A new decode type of AA_TRACKING will be available, and populated with the new AA EDI tracking processes.= (i.e. TESLA_TRACKING, FORD_TRACKING)
- A new decode type of AA_CUST_DECODE will be available, and populated with the decode prefixes for each customer that might require it (e.g. FORD = FORD, TESLA = TESLA). This will allow for future additions of customers to this flow if required (e.g. SCANIA = TOYOTA)

When the changes are implemented, the new FORD_TRACKING process will, for customer FORD, send a tracking event just for DEL. This will be populated with as much order information is required for the mapping within DHL to be completed.

Note:

- The requirement does not contain details of which message will be sent for delivery confirmation from the messages and descriptions in the attachment. Therefore we cannot check which elements are required. The message described here can send all order-based information, including order information records.
- Consultancy time has been set aside in this estimate for the mapping exercise.
- Discrepancies in mappings may result in additional time being required for this change, therefore a contingency has been added to account for this.
- Time has also been accounted for for helping with implementation and testing of the new interface with DHL.

Cost Details			
Activity	**Hours**	**Rate per hour (£)**	**Cost (£ Exc. VAT)**
Requirements	0.00	152.00	£0.00
Change Request Evaluation	7.50	152.00	£1,140.00
Functional Specification	10.75	152.00	£1,634.00
Technical Specification	0.00	152.00	£0.00
Development	27.00	152.00	£4,104.00
Testing and Release	10.50	152.00	£1,596.00
Implementation	7.50	152.00	£1,140.00
Project Management	12.75	152.00	£1,938.00
TOTAL (FIXED COST)	76.00		£First argument to "number_format" must be a number.