STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	DHL	Project	EMEA	Site	CN-ATH
Client Reference	PW-8KRCWE	Aptean Reference	291253	Estimate Version	1.0
Prepared By	A N Walker			Estimate Date	18/08/11
Invoice Reference	GB01 . GBMIL1 . OH . XIS027			Priority	3
Customer	BHS			System Version	7.70/8.10

Client Request

Prioritise certain messages from WMS to WCS so that they take priority over standard messages and arrive before them into the WCS. The messages to be modified initially are the UPC responses to Receipt Precheck, Putaway and Pick Replacements from Pick Shortages.

Aptean Solution

Note: This modification affects the *CALIDUS* mobile system connecting to the Oracle *CALIDUS* WMS system only.

The standard messaging function within *CALIDUS* WMS will be modified to ensure that all messages are sent at a standard message priority (i.e. 5), rather than accepting the default from the Oracle queues.

The UPC responses to Receipt Precheck, Putaway and Pick Replacements from Pick Shortages messages will be modified to be set at a high priority (i.e. 1-4). The messages affected by the high priority setting will not be modifiable by the user, so only these specific messages will be affected.

The Standard and High Priority values will be specified as system parameters.

This modification will ensure that the high-priority messages specified will be sent to the WCS before lower-priority messages.

Note: The message priority does not affect the content of the message, just the sequence in which they are sent to *CALIDUS* Mobile.

Warning: This modification affects the core *CALIDUS* Mobile interface in *CALIDUS* WMS. This will require several programs to be recompiled and released, as well as a fundamental change to the Oracle Advance Queues within the database. As such, the installation of this will require scheduled downtime. No *CALIDUS* Mobile programs need to be released to implement this functionality, however.

Warning: Unknown costs for client/year (DHL/2011)

Cost Details

Activity	Hours	Rate per hour (£)	Cost (£ Exc. VAT)
Requirements	0.00	0.00	£0.00
Change Request Evaluation	1.25	0.00	£0.00
Functional Specification	0.75	0.00	£0.00
Technical Specification	0.00	0.00	£0.00
Development	1.50	0.00	£0.00
Testing and Release	1.50	0.00	£0.00
Implementation	0.00	0.00	£0.00
TOTAL	5.00		£0.00

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

Contents

1 EST 295940 LD-8QNK64 Create Portal Outbound Control screen

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STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	DHL	Project	EMEA	Site	HC-CTI
Client Reference	LD-8QNK64	Aptean Reference	295940	Estimate Version	1.0
Prepared By	Tony Walker			Estimate Date	31/01/12
Invoice Reference	PO-8902003			Priority	3
Customer	Various			System Version	Portal: 4.3

Client Request
As per FS 294817, SCR-294817-2: Create Portal Outbound Control screen. Please take under consideration all comments for this section from attached "CT Global Order Well v0 3 - initial spec.rtf". A new button "POD details" should be added on top of the specified in this SCR. It should enable user to enter information on: who sign for the parcel, date and time It should update information entered on Unison Oracle screen "POD confirmation" SOS3000.

Aptean Solution

The order will be created in *CALIDUS* WMS and allocated by the Cherwell staff.

Any orders that have been created through the EDI process will simply be allocated by the Cherwell staff.

Any orders that have been manually entered by the Cherwell staff must be double-checked (to ensure that the Serial Number information has been keyed correctly). The process for this will be:

- The order will be keyed by one user.
- A second user will regularly show a list of all manually-entered orders at Entered status, through the standard *CALIDUS* WMS reports. The list will show all serial numbers entered against the orders.
- For each order on the list, the user will check the serial numbers on this list. If they are correct, this user will then allocate the order and move onto the next on the list, until all are completed.
- If the order's serial numbers do not match, the user will amend the order with the correct serial numbers, then allocate the order.

A new screen within *CALIDUS* Portal will display a list of all available orders for that depot.

A number of filters will be available for the users to filter what is displayed:

- A drop-down list of Studies (i.e. Owners) will be available to allow the users to see Orders just for a particular study.
- A check box will be available to allow the users to elect to show all Orders (included completed ones) rather than just pending ones, only if the user has chosen to filter a particular study.
- A Drop-down List of Statuses will be available to allow the user to see Orders at that particular status.
- A filter box to allow the user to enter a specific Order Number (matching anything close to the reference entered).

The filters will default to show all incomplete orders for all studies.

The screen will limit the number of Orders displayed on the grid to a reasonable number (e.g. 20), with buttons to fetch the next/previous pages of data.

The details displayed for Orders found will be:

- Alert - showing whether a problem has been reported.
- Order Reference
- Priority
- Status:
    ◆ Pending - Any orders at status Allocated or Pick Listed.
    ◆ Picked - Any orders at status Pick Confirmed.
    ◆ Packed - Any orders at status Pick Confirmed with Pack information entered against them.
    ◆ Despatched - Any orders at status Despatched.
    ◆ POD Confirmed - Any orders at a later order status (POD Confirmed, Invoiced, etc).

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- Cancelled - Any cancelled orders. 💡 **Note:** None of the subsequent buttons or actions can affect Cancelled orders.
  - Selected - this will be a check box for the user to select which orders are to be actioned. There will also be a button above this column allowing the user to select all orders displayed on the grid. Note that if there are multiple pages of orders, only those displayed on the grid can be selected at the same time.

The Alert icon can be clicked to display any Emails/Problems that have been reported on the order through a pop-up screen.

A number of action buttons will be provided to work on the orders selected. These buttons will be disabled depending on the status of the orders, as described below.

A **Print** button will be available. If the orders are at status 'Pending', this button will print Pick Lists for all the orders selected. Multiple orders can be selected when clicking this button. On printing pick lists, this button will update the status of the selected orders to Pick Listed, if they are not already at Pick Listed status.

The Pick List produced will be a simple list of the order information, followed by each product, then the Serial Numbers against each product. The Serial numbers will be displayed in the sequence in which they are held on *CALIDUS* WMS. A Watermark will be shown behind each page, showing that this list is for internal use only. The lists can then be printed directly from the user's browser.

If the orders selected are at 'Despatched' status, this button will print a Despatch note for all the orders selected. Multiple orders can be selected when clicking this button.

The Despatch note produced will be a simple list of the order information, followed by each product, then the Serial Numbers against each product. The Serial numbers will be ordered ascending and displayed in this sequence. The notes can then be printed directly from the user's browser.

💡 **Note:** If orders at multiple statuses are selected, all buttons will be immediately disabled - only orders at a single status can be processed together.

💡 **Note:** If any order selected has an Alert against it, all buttons will be immediately disabled, as all processing of orders against with an alert will be completed through *CALIDUS* WMS by the Cherwell staff.

💡 **Note:** If an order is selected that is not at Pending or Despatched status, this button will be disabled.

A **Pick/Pack Confirm** button will be available. If the order selected is at status 'Pending', this button will call a Pick Pack screen, described later. Note that only a single order can be processed by this button - if more than one order is selected, the button should be disabled.

💡 **Note:** If an order is selected that is not at Pending status, this button should be disabled.

A **Despatch** button will be available. If the order selected is at status 'Packed', this button will display a confirmation dialogue, showing the Order details and the user name, as before.

If the user confirms that they wish to continue with the despatch, the system will update the order to Despatched within *CALIDUS* WMS. The Despatched date and time will be set to the current date and time, and the user will be set to the logged-in user ID. Once completed, the Despatch note will be displayed (as with the Print button above).

💡 **Note:** Only a single order can be processed by this button - if more than one order is selected, the button should be disabled. 💡 **Note:** If an order is selected that is not at Packed status, this button will be disabled.

A **POD Details** button will be available. If the order selected is at status 'Despatched', this button will display a confirmation dialogue, showing the Order details and the user name, as before. This screen will also request the POD Confirmed Date and Time, as well as the contact who has signed for the parcels.

If the user confirms that they wish to continue with the POD Confirmation, the system will update the order to Pod Confirmed status within *CALIDUS* WMS. The POD Confirmed date and time will be set to the date and time entered, and the user will be set to the logged-in user ID.

💡 **Note:** Only a single order can be processed by this button - if more than one order is selected, the button should be disabled. 💡 **Note:** If an order is selected that is not at Despatched status, this button will be disabled.

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A **Report Problem** button will be available at any status. If this button is pressed, this button will display a confirmation dialogue, showing the Order details and the user name, as before.

If the user confirms that they wish to continue with reporting a problem, the system will display a form to allow the user to enter details of an email. The Email recipient and some of the details will be pre-set on the form. On clicking OK, the email will be sent directly through the client's email program. The details of the email will also be saved in *CALIDUS* WMS on a new table created for this purpose.

💡 **Note:** Only a single order can be processed by this button - if more than one order is selected, the button should be disabled.

🔴 **Warning**: Unknown costs for client/year (DHL/2012)

Cost Details			
Activity	**Hours**	**Rate per hour (£)**	**Cost (£ Exc. VAT)**
Requirements	0.00	0.00	£0.00
Change Request Evaluation	0.00	0.00	£0.00
Functional Specification	1.50	0.00	£0.00
Technical Specification	0.00	0.00	£0.00
Development	10.00	0.00	£0.00
Testing and Release	2.00	0.00	£0.00
Implementation	0.00	0.00	£0.00
TOTAL	13.50		£0.00

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

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2 EST 295941 LD-8QNJQH Create Portal Inbound Confirmation screen

STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	DHL	Project	EMEA	Site	HC-CTI
Client Reference	LD-8QNJQH	Aptean Reference	295941	Estimate Version	1.0
Prepared By	Tony Walker			Estimate Date	31/01/12
Invoice Reference	PO-8902001			Priority	3
Customer	Various			System Version	Portal: 4.3

Client Request
As per FS 294817, SCR-294817-1: Create Portal Inbound Confirmation screen Please take under consideration all comments for this section from attached "CT Global Order Well v0 3 - initial spec.rtf"

Aptean Solution

A screen is required to update receipts.

The preadvice will be created in *CALIDUS* WMS by the Cherwell staff, either manually (for returns and direct supplier deliveries) or automatically (from Inter-Warehouse Transfers from the central Cherwell warehouse). The preadvice is created in the depot warehouse with Serial Number information.

A new screen within *CALIDUS* Portal will display a list of all available GRNs for that depot (warehouse). A number of filters will be available for the users to filter what is displayed:

- A drop-down list of Studies (i.e. Owners) will be available to allow the users to see GRNs just for a particular study. Note that the Study list should show only studies with GRNs - this data is available from the Supplier field against the GRN.
- A check box will be available to allow the users to elect to show all GRNs rather than just incomplete ones, only if the user has chosen to filter a particular study.
- Filter boxes to allow the user to enter a specific GRN or Advice Note (matching anything close to the reference entered).

The filters will default to all incomplete receipts for all studies.

The screen will limit the number of preadvices displayed on the grid to a reasonable number (e.g. 20), with buttons to fetch the next/previous pages of data.

The details displayed for GRNs found will be:

- Alert - showing whether a problem has been reported.
- Inbound to be Processed - GRN or Advice Note number
- Status:
    - Pending - Available for receipt
    - Complete - Receipt Completed
    - Error - an alert has been raised.
- Expected Delivery Date
- Return - If the receipt is marked as a Return in *CALIDUS* WMS, then this column will be checked.

Note that the operation also discussed a 'Ready To Use' column, but that this was rejected by the meeting, as the functionality had little use.

The Alert icon can be clicked - this will display all Emails/Problems raised against the Goods Receipt in a pop-up window.

💡 **Note:** This functionality will also be added to the Goods Receipt Confirmation screen within *CALIDUS* WMS. The option will, when clicked, display all messages linked to that GRN within the system in a grid. The row will show:

- From;
- To;

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- Subject;
- Status.

Clicking on a grid row will display the message details in an area below the screen.

When a GRN has been selected in the Portal screen, the system will display a details screen.

This screen shows header information for the GRN (as per the previous screen) plus the Instructions field from the WMS GRN screen.

A detailed grid will show the detailed product information:

- Product and Product Description.
- Quantity
- Batch
- Expiry Date

A **Print** button is available to print the Preadvice List - this will be a simple screen displayed within Portal showing the details against the products, and all the required serial numbers. The depot will print this list direct from their browser.
Note: The prints throughout this document (Preadvice List, Pick List and Despatch Note) will be PDF documents.

The users will then receive the goods.

If there is any issue with the receipt, the user will report a problem by pressing a **Report Problem** button provided for this purpose. On pressing this button, the screen will display a confirmation dialogue, displaying the GRN information, requesting that the user confirm that they are reporting an issue. The user's name should be prominently displayed on this dialogue, ensuring that they are aware that they are responsible for this process.

Pressing **No** will return to the GRN detail form.

Pressing **Yes** on the screen will allow the user to enter details of an email. The Email recipient and some of the details will be pre-set on the form. On clicking OK, the email will be sent to the central contact email from the central Portal system. The details of the email will also be saved in *CALIDUS* WMS on a new table created for this purpose.

The central contact email will be set up against the users' group within *CALIDUS* Portal.

Note: This Confirmation Dialogue will be used extensively throughout the product, whenever the user confirms data that will update *CALIDUS* WMS. This will ensure that the user is made aware of their responsibility when updating the system, as they will be tracked within *CALIDUS* WMS.

If a GRN has a problem identified against it, the GRN should be highlighted in the GRN select grid with an Alert icon against it. If so, this GRN can no longer be actioned by the Depot staff, but clicking on the icon should display the details of the problem reported.

If there is no problem with a GRN receipt, the users will press a button to update the GRN. Again, a confirmation dialogue will be displayed, showing the GRN details and the user name, as before.

If the user confirms that they wish to go ahead with the GRN confirmation, the system will create all pallets in their default putaway locations with all preadvised serial numbers received as if 100%. The screen will also mark the GRN as putaway confirmed. Standard processing (automatically holding the stock until the temperature has been confirmed) will remain in place.

When a supplier is going to send stock direct into the depots without routing through Cherwell, the Cherwell users will manually create a preadvice with all serial numbers. Once created, this will appear on the GRN list within *CALIDUS* Portal.

It was discussed that an email be sent to each depot, once per day, indicating the preadvices arriving in on that day. The meeting rejected the proposal, as this either encouraged lazy processes, or the messages will simply be ignored.

It was also noted that the Business Requirements Document (section 9.4.1) suggested that Carrier, Temp, Packaging and Monitor requirements were to be preadvised. The meeting decided that this was probably not required, but that this should be confirmed by the operation (Lukasz Danel of the DHL team has confirmed this on 27/01/2012).

Warning: Unknown costs for client/year (DHL/2012)

Cost Details			
Activity	**Hours**	**Rate per hour (£)**	**Cost (£ Exc. VAT)**
Requirements	0.00	0.00	£0.00
Change Request Evaluation	0.00	0.00	£0.00
Functional Specification	2.00	0.00	£0.00
Technical Specification	0.00	0.00	£0.00
Development	14.00	0.00	£0.00
Testing and Release	3.00	0.00	£0.00
Implementation	0.00	0.00	£0.00
TOTAL	19.00		£0.00

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

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3 EST 295942 LD-8QNKTV Implement Supervisor Message Handling

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STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	DHL	Project	EMEA	Site	HC-CTI
Client Reference	LD-8QNKTV	Aptean Reference	295942	Estimate Version	1.0
Prepared By	Tony Walker			Estimate Date	31/01/12
Invoice Reference	PO-8902012			Priority	3
Customer	Various			System Version	Portal: 4.3

Client Request
Implement Supervisor Message Handling within CALIDUS Portal and Implement Problem Resolution emails within Portal As per FS 294817, SCR-294817-6: Implement Supervisor Message Handling within CALIDUS Portal & SCR-294817-7: Implement Problem Resolution emails within Portal. Please take under consideration all comments for this section from attached "CT Global Order Well v0 3 - initial spec.rtf"

Aptean Solution
When an issue is reported for any process, the Portal users cannot continue until the problem is resolved. Therefore the messages created must have a 'Resolved' flag against the message. Screens must check for a non-resolved problem message against an item to stop it being processed through *CALIDUS* Portal.
It is necessary then to allow a higher security level user (i.e. a supervisor) to amend and clear problems raised against the order or preadvice.
A new screen will be created that allows the user to see all messages, filtering by Order, GRN or Message Status, to clear any messages raised in one screen.
The Inbound and Outbound screens will also be modified to indicate whether the item has un-cleared problem messages (for example, with a red background) or whether all the problem messages have been cleared (for example, with a green background). Items with only cleared messages will allowed to be actioned by the screens. The icons for this would be different shapes. For example, outstanding issues would be a red exclamation mark in a Triangle, whereas cleared messages would should a speech bubble, for example.
As an extension of this functionality, it will possible to email the user that raised the original problem message, identifying that the problem has now been resolved.
In order to achieve this, it will be necessary to allow the users set up in *CALIDUS* Portal with an email address. When a message is cleared by a supervisor, the same messaging process used to send the original message can be called to send this resolution email.

⚠ **Warning**: Unknown costs for client/year (DHL/2012)

Cost Details			
Activity	**Hours**	**Rate per hour (£)**	**Cost (£ Exc. VAT)**
Requirements	0.00	0.00	£0.00
Change Request Evaluation	0.00	0.00	£0.00
Functional Specification	1.50	0.00	£0.00
Technical Specification	0.00	0.00	£0.00
Development	4.00	0.00	£0.00
Testing and Release	1.25	0.00	£0.00
Implementation	0.00	0.00	£0.00
TOTAL	6.75		£0.00

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

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4 EST 295943 LD-8QNKNK Amend Preadvice

STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	DHL	Project	EMEA	Site	HC-CTI
Client Reference	LD-8QNKNK	Aptean Reference	295943	Estimate Version	1.0
Prepared By	Tony Walker			Estimate Date	31/01/12
Invoice Reference	PO-8902009			Priority	3
Customer	Various			System Version	Portal: 4.3

Client Request

Amend Preadvice to allow Batch, Sell-by Date and Serial Number entry As per FS 294817, SCR-294817-5: Amend Preadvice to allow Batch, Sell-by Date and Serial Number entry. Please take under consideration all comments for this section from attached "CT Global Order Well v0 3 - initial spec.rtf"

Aptean Solution

It was noted that the operation may wish to allow specific users the ability to create preadvices. This is to allow for the use of this by the depot staff, when returns come direct to the depot or a supplier wishes to deliver direct.

In this case, the users require the ability to create a preadvice of the products and quantity of each to be received, specifying Batch and Sell-by Date information, and with all serial numbers entered. The Batch and Sell-by Date and Serial numbers will be validated that they are required for the product. If Serial Number entry is required, the screen will validate the format required by the operation. **Note:** This is a format validation only (i.e. the entered text is the right length, etc) - there is no validation on content.

Note that this functionality will be specifically enabled or disabled through the user account, by adding the menu to the users requiring this functionality, so that specific users can be denied the Order Entry functionality.

Warning: Unknown costs for client/year (DHL/2012)

Cost Details			
Activity	Hours	Rate per hour (£)	Cost (£ Exc. VAT)
Requirements	0.00	0.00	£0.00
Change Request Evaluation	0.00	0.00	£0.00
Functional Specification	2.00	0.00	£0.00
Technical Specification	0.00	0.00	£0.00
Development	6.50	0.00	£0.00
Testing and Release	1.50	0.00	£0.00
Implementation	0.00	0.00	£0.00
TOTAL	10.00		£0.00

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

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5 EST 295944 LD-8QNKDV Create Portal Pick Pack screen

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STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	DHL	Project	EMEA	Site	HC-CTI
Client Reference	LD-8QNKDV	Aptean Reference	295944	Estimate Version	1.0
Prepared By	Tony Walker			Estimate Date	31/01/12
Invoice Reference	PO-8902007			Priority	3
Customer	Various			System Version	Portal: 4.3

Client Request
As per FS 294817, SCR-294817-3: Create Portal Pick/Pack screen. Please take under consideration all comments for this section from attached "CT Global Order Well v0 3 - initial spec.rtf"

Aptean Solution

This screen is used to capture the information regarding which serial numbers have been picked and packed into which cartons.

The screen will display some basic order information on the top of the screen.

The screen will allow entry of Air Way Bill and Carrier. Neither will be validated, other than they have been entered.

A grid will show all packs created for the order. Each pack created will display:

- Pack ID - A unique numeric counter for each pack
- Box Used - the Consumable Box Type used (the stock code and description)
- TM Used - the Consumable Temperature Monitor used (the stock code and description)
- TM Serial - The Serial Number of the TM used above.
- Action - An 'Edit' button will be provided to edit the details entered if this data has not been interfaced back to *CALIDUS* WMS.

A **New** button will be available on the screen to add new packs to the order. When pressed, the screen will display an entry form with the following fields:

- Box Used - the Consumable Box Type used. If WMS Packing has been enabled to require the entry of consumable box types, a drop-down list of all available box types will be shown here, showing the Code, Description and Quantity available). The user must select a box type from here.
- TM Used - the Consumable Temperature Monitor used. If WMS Packing has been enabled to require the entry of consumable temperature monitors, a drop-down list of all available temperature monitors will be shown here, showing the Code, Description and Quantity available. The user must select a monitor from this list.
- TM Serial - The Serial Number of the TM used above. If WMS Packing has been enabled to require the entry of consumable temperature monitors and the monitor type selected above requires serial number entry, a text box will be shown to enter the serial number. This will be free text entry with no validation.

💡 **Note:** The Drop-down List of Consumable Box Types and Monitors may be displayed as a lookup screen instead. Regardless, the screen should account for consumable media used on this order.

💡 **Note:** The information regarding which of the above have been used will not be interfaced to *CALIDUS* WMS until the order is confirmed packed. This means that multiple users may attempt to use the same monitor - this must be manually controlled by the operations.

A **Save** button will be available to save the new pack. A **Cancel** button will discard the new changes.

If the user elects to edit an existing pack, the entry form above will be shown, pre-populated with the data from the grid (including showing the pack ID). In this case, the same validation is applied as above.

Additionally, a 'Remove' button will be shown, allowing the user to remove the created Pack.

If detailed packing is required, the screen should only allow one pack to be created. If more are required, then a problem

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should be reported (directly from this screen), following the normal problem reporting process. So, if the user presses the button to add another pack on a detailed packing trial, a confirmation dialogue will appear explaining the issue. The user's name will be shown as normal. If the user elects to continue, they will be taken to the screen to enter the problem, an email will be sent and a problem message created. When complete, the user will be returned to the Order Select screen, where the order will be marked with an alert.

💡 **Note:** Only trials for UCB will be configured within *CALIDUS* WMS for detailed packing. All other trials will be configured for Pack level only (i.e. no product or serial number detail required within the pack) and will be able to create multiple packs. This is standard *CALIDUS* WMS functionality.

A **Confirm** and **Cancel** button will be available on the screen.

The **Cancel** button will discard all changes and return the user to the Order Select screen.

The **Confirm** button will display a confirmation dialogue, displaying details of the order and requesting whether the user wishes to continue with pick/pack confirmation for this order. The user name will be displayed on this dialogue.

If the user selects **No**, they will be returned to the Pick/Pack confirmation screen where they left it, with all data unsaved but intact.

If the user selects **Yes**, *CALIDUS* Portal will update *CALIDUS* WMS. The process will be as follows:

First, the order will be pick confirmed completely. The following data will be set:

- User - will be defaulted to the user logged in
- Date - current date
- Time start - current time, minus 10 minutes
- Time stop - current time minus 1 minute.

The Order Status will be updated to Pick Confirmed and all audit data maintained as standard.

Once this is complete, the system will save the packing data entered by the user and close the pack as complete.

⚠️ **Warning**: Unknown costs for client/year (DHL/2012)

Cost Details			
Activity	**Hours**	**Rate per hour (£)**	**Cost (£ Exc. VAT)**
Requirements	0.00	0.00	£0.00
Change Request Evaluation	0.00	0.00	£0.00
Functional Specification	2.00	0.00	£0.00
Technical Specification	0.00	0.00	£0.00
Development	12.00	0.00	£0.00
Testing and Release	2.00	0.00	£0.00
Implementation	0.00	0.00	£0.00
TOTAL	16.00		£0.00

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

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6 EST 295976 LD-8QNKJM Include Oracle Data Extracts within Portal

STATEMENT OF WORK
CHANGE REQUEST ESTIMATE

Client	DHL	Project	EMEA	Site	HC-CTI
Client Reference	LD-8QNKJM	Aptean Reference	295976	Estimate Version	1.0
Prepared By	Tony Walker			Estimate Date	31/01/12
Invoice Reference	PO-8902008			Priority	3
Customer	Various			System Version	Portal: 4.3

Client Request
As per FS 294817, SCR-294817-4: Include Oracle Data Extracts within Portal. Please take under consideration all comments for this section from attached "CT Global Order Well v0 3 - initial spec.rtf"

Aptean Solution
Several report requirements were discussed. The operation agreed to confirm all their reporting requirements would be able to be completed through the Oracle Data Extracts. If this was the case, then the Oracle Data Extract suite of reports would be made available through *CALIDUS* Portal, to allow the users to run their reports from there. Only users that are part of a configured group will be allowed to see and run the reports.

💡 **Note:** If any reports are required that cannot be covered by this functionality, development of new reports within *CALIDUS* Portal will be required through the raising of a new RIO.

⚠️ **Warning**: Unknown costs for client/year (DHL/2012)

Cost Details			
Activity	Hours	Rate per hour (£)	Cost (£ Exc. VAT)
Requirements	0.00	0.00	£0.00
Change Request Evaluation	0.00	0.00	£0.00
Functional Specification	1.00	0.00	£0.00
Technical Specification	0.00	0.00	£0.00
Development	5.00	0.00	£0.00
Testing and Release	1.00	0.00	£0.00
Implementation	0.00	0.00	£0.00
TOTAL	7.00		£0.00

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

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