Oracle® Retail MICROS Retail-J
Inventory Management Goods In
Release 12.1

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Oracle® Retail MICROS Retail-J Inventory Management Goods In, Release 12.1

MICROS Retail-J
Inventory Management
Goods In

Revisions

1.1	March, 2015	Added Oracle cover and copyright page.
1.0	June 7, 2013	First published.

Referenced Documents

Store-to-Store Stock Transfer

Contents

Note: The rebranding for the latest version of this documentation set is in development as part of post MICROS acquisition activities. References to former MICROS product names may exist throughout this existing documentation set.

1.0   Introduction

This document comprises:

- A context definition
- Supporting concepts
- XML message format definition
- Configuration details
- User interface map
- Worked example
- Comprehensive summary and break-out process diagrams including error conditions

2.0   Context

Retail-J inventory management provides the following functions:

- Product Search

- Stock Enquiry

- Expected Deliveries

- Product Enquiry

- Product Exporter (optional)

- Goods In

- Goods Out

- Product Inventory Requests

- Purchase Orders

- Stock Adjustments

- Stock Counting

- Replenishment

- Inventory Reconciliation Reporting

This document describes deliveries from suppliers in response to purchase orders. Goods received via internal transfers from estate stockholding locations are described in *Store-to-Store Stock Transfers*.

3.0   Supporting Concepts

Goods In allows you to record deliveries of loose items and containers. Both expected and ad hoc deliveries can be recorded. Goods can be received from a store, distribution centre, warehouse or supplier.

Deliveries can be in two or more stages. The system allows expected deliveries to arrive over a period of time in separate consignments and will link back to the original orders or requests. Goods In where the expected delivery information has not been received can be received and matched retrospectively

Items can be recorded by quantity or serial number.

Containers and individual items can be checked in using wireless HHTs.

Products not within the product catalogue can be recorded.

If the delivery is short of that which is expected, then the expected delivery will be marked as partially completed. Otherwise the expected delivery will be marked as complete.

3.1　Expected Deliveries

The expected deliveries feature allows external systems or the Retail-J head office system to indicate the future dates and contents of deliveries to the stores. Expected deliveries can be from a warehouse, distribution centre, supplier or another store.

Expected deliveries are automatically created when processing purchase orders for locally managed suppliers, product inventory requests and replenishment requests.

As well as the basic contents of a delivery, the expected delivery details can include a list of containers and loose items to expect and their contents and, depending on the type of product, also a list of item serial numbers.

Multi-channel orders raised by the consumer (using a click and collect operation) where the inventory is not available at the store can also generate expected deliveries from another stock holding location.

Expected deliveries move from created, to partially complete, to complete. A delivery can be completed over multiple goods in operations.

3.2　Ad hoc Deliveries

 Ad hoc deliveries are not expected. Ad hoc deliveries may, for example, be demonstration items or per-haps deliveries from a centrally managed supplier.

3.2.1　Retrospective Matching of Ad hoc Deliveries to Expected Deliveries

A delivery can be received ad hoc and held at the delivery location until the expected delivery data arrives.

The application cycles through all ad hoc deliveries in the "Accepted" state for the location and see if they can be matched with any of the expected deliveries in the "Approved" state. If the ad hoc deliveries date received is within a configurable match window to the expected deliveries date expected then the match will be made. The result is a display of matches with options for viewing and accepting or reject-ing.

3.3　Locally Managed Supplier

For purchase orders to create expected deliveries, you need to set the locally managed supplier flag from Data Maintenance > Product Inventory > Suppliers.

4.0　Messaged XML Documents Data Formats

Pseudo XML Schema Definitions (XSD) are available with the release. These list the content to be expected in the Goods In XML document, and the other, XML documents generated by the application.

4.1　Goods In Event

A Goods In Event XML document comprises:

- GoodsInEvent (the base Goods In document)

- ProductInventoryEventItem

- ProductInventoryEventContainer

- GoodsInEventItem

4.1.1 GoodsInEvent

Field	Type	Comments
ID	String	For example: EDY0051:01 where EDY is expected delivery; 005 is the location ID; 1 is the first Goods In for that location and :01 is the first consignment of the expected delivery.
Status	Integer	1 = Received; 2 = Accepted; 3 = Rejected; 4 = Accepted (Unmatched); 5 = Cancelled; 6 = Accepted (Processing); 7 = Accepted (Unmatched, processing).
TimeZoneOffset	Integer	The UTC offset, in minutes, of the location associated with the Goods In. For example, London daylight saving time is -60.
CreationDate	ISO 8601 Date	Date and time at which the Goods In was created.
ProcessedDate	ISO 8601 Date	Date and time at which the Goods In was processed.
Notes	String	Memo field
Instructions	String	Memo field
UserID	String	ID of the User who created the Goods In event.
AuthorisingUserID	String	ID of the User who authorised the Goods In event.
LocationID	String	ID of the location associated with the Goods In.
LocationType	Integer	Type of the stockholding location associated with the Goods In, namely: 0 = None, 1 = Warehouse, 2 = Store, 3 = Distribution Centre, 4 = Office, 5 = Supplier.
GeneratedAtID	String	ID of the location where the Goods In was generated.
GeneratedAtType	Integer	Type of the location where the Goods In was generated.
SequenceDeviceID	String	Device ID of the device raising the Goods In.
SequenceNumber	Long	Sequence number of the device in the previous field, rolls over when it reaches 99999999.
ProductInventoryEventItem	See "ProductInventoryEventItem" on page 6.	
ProductInventoryEventContainer	See "ProductInventoryEventContainer" on page 7.	
TotalRetailValue	Long	Total retail value of all the items in the stock adjustment.
SourceID	String	ID of the location associated with the source of the Goods In.
SourceType	Integer	Type of the stockholding location associated with the source of the Goods In, namely: 0 = None, 1 = Warehouse, 2 = Store, 3 = Distribution Centre, 4 = Office, 5 = Supplier.

Field	Type	Comments
ExpectedDeliveryCode	String	For example: EDY0051 where EDY is expected delivery; 005 is the location ID; 1 is the first Goods In for that location.
IsExpectedDelivery	Boolean	Deliveries can be ad hoc or expected.
DeliveryType	Integer	Set in Data Maintenance > Product Inventory > Delivery Type. Delivery type is used to define: delivery time; whether perishable goods are handled; delivery charge type (fixed, value based, weight based); dispatch receipt style; dispatch docket receipt style, dispatch chit receipt style, dispatch stored transaction receipt style; dispatch combined card voucher receipt style; destination zones; delivery note header content, position and format.
CarrierCode	String	Memo field
ScannedOnDispatch	Boolean	The flag is used to determine if the contents of containers within the delivery are explicitly declared. If the flag is set to true, then the goods are received by selecting the containers that arrive. If it is set to false, then if all containers are received, items can be assumed to be present. If all containers are not received there is no way to determine which items are present and the user is warned of this and forced to scan the items using the standard edit items screen.
ForceItemScan	Boolean	Force scanning of received items
GoodsOutID	String	The goods out ID from the sending location used to derive the expected delivery.
HasBeenProcessed	Boolean	This flag is set if the Goods In event has been processed.
ConsolidatedItemChecking	Boolean	See "Location Inventory Configuration" on page 10.
PartiallyAcceptContainers	Boolean	Allow containers to be partially accepted.

4.1.2 ProductInventoryEventItem

Field	Type	Comments
ID	String	ID of the product inventory event item.
ProductID	String	ID of the product associated with the event item.
MMGroupID	String	ID of the MM Group to which the product belongs.
RangeID	String	ID of the range associated with the event item.
ImageFilePath	String	The full filepath (including filename) of the product's image.

Field	Type	Comments
InventoryType	Integer	The inventory type of the item namely: 0 = none 1 = available 2 = reserved 3 = returned 4 = damaged 5 = in transit 6 = customer ordered 7 = sold 8 = sold pending (sold before goods in performed) 9 = in transit pending (transferred before goods in performed) 10 = disposal 11 = display 12 = available for loan 13 = on loan 14 = storage
LineNumber	Integer	Unique number identifying the item within the event.
Type	Integer	The type of event item, namely: 0 = product 1 = serial tracked product 2 = unexpected product 3 = unknown product
Quantity	Float	The description of the product.
Description	String	The quantity of the item, range -99999.9999 to 99999.9999.
ItemUnits	Integer	The item units of the product, namely: 1 = unit 2 = weighed 3 = liquid 4 = length 5 = set 6 = gedeck (place setting)
RetailPrice	Long	Retail price of the item, range 0-999999999999.
UnknownProduct	Boolean	When set this flag indicates that the product is unknown. This is a product that has not been entered properly into the system, but is nevertheless physically present, for example. has been received in a delivery.
AllowNegativeStock	Boolean	When set, this flag indicates that negative stock is allowed for this item.
CostPriceItem		List of cost price items included in the PIR.
SerialNumberItem		List of serial number items included in the PIR.

4.1.3   ProductInventoryEventContainer

Field	Type	Comments
ID	String	ID of a container associated with the Goods In event.

Field	Type	Comments
ContainerType	Integer	1 = Box; 2 = Small Box; 3 = Crate; 4 = Pallet; 5 = Cage
GoodsInEventItem	See "GoodsInEventItem" on page 8.	
ContainerBarcode	String	The barcode of a container associated with the Goods In event.

4.1.4 GoodsInEventItem

Field	Type	Comments
ID	String	ID of the Goods In Event Item
ProductID	String	ID of the product associated with the event item
MMGroupID	String	ID of the MM Group to which the product belongs.
InventoryType	Integer	The inventory type of the item namely: 0 = none 1 = available 2 = reserved 3 = returned 4 = damaged 5 = in transit 6 = customer ordered 10 = disposal 11 = display 12 = available for loan 13 = on loan 14 = storage 15 = for customer view 17 = trade in
Type	Integer	The type of event item, namely: 0 = product 1 = serial tracked product 2 = unexpected product 3 = unknown product
Quantity	Float	The quantity of the item, range -99999.9999 to 99999.9999.
Description	String	The description of the product
ItemUnits	Integer	The item units of the product, namely: 1 = unit 2 = weighed 3 = liquid 4 = length 5 = set 6 = gedeck (place setting)
RetailPrice	Long	Retail price of the item, range 0-999999999999.
CostPriceItem		List of cost price items included in the stock adjustment.
SerialNumberItem		List of serial number items included in the stock adjustment.

Field	Type	Comments
ReceiptInventoryType	Integer	The inventory type of the receipt item (see above for list of inventory types)
ReceiptQuantity	Float	The receipt quantity of the item, range -99999.9999 to 99999.9999.

5.0 Processes

The following processes need to be running on the Estate Manager and on the thick clients in the stores.

Process	Notes
Entity Updater	The Entity Updater process is part of the replication system and is responsible for applying changes received by the messaging system to the local database.
HTTP Messenger Connector	The HTTP Messenger Connector process continually checks to see if there are any messages for the store or terminal to be collected from the Estate Manager or Store BackOffice server. It also sends any waiting data at the same time. It uses a listener servlet on the web server. It sends and receives messages in a single HTTP request/response call. There are a number of message connectors available, enhanced, HTTPS, file, email.
Inventory Task Runner	The Inventory Task Runner job processes a specified number of expected deliveries with or without the Auto_Receive flag set. An Expected Delivery Status called Auto_Receive is available in the ExpectedDeliveries table. The Estate Manager automatically Accepts any Expected Delivery which carries this flag. The Inventory Task Runner process imports an Expected Delivery, processes it, and in turn creates a Goods In event. The Goods In event updates the stock quantities in ProductInventories and also updates the relevant reporting tables.
Messenger Document Transporter	The Messenger Document Transporter process sends or receives any documents to Documents In or from Documents Out using the Micros Retail-J messaging system. It reads documents from the configured import mailbox using the Micros Retail-J messaging system, and sends documents from Documents Out to the given export address. This is the most commonly used mechanism for feeding data to the XML Document Processor. In addition, there are alternative processes to optimise processing for incoming and outgoing messages.
Queued Job Feeder	The Queued Job Feeder process runs queued jobs that accumulate as the result of fixed processes or user interaction.
XML Document Processor	The XML Document Processor uses XML documents in the Documents In database table. When processed, these documents are written to the Documents Out database table in order for them to be sent onwards.

6.0 Roles

Any number of the following Goods In application functions can be assigned to a user via a role. Roles can be maintained from Data Maintenance > Users > Easy Roles.

- View Deliveries
- Change Location
- Create Adhoc Delivery
- Receive Expected Delivery
- Receive Late Expected Delivery

- View Delivery
- Edit Delivery
- Remove Delivery
- Print Delivery
- View Delivery Containers
- Edit Delivery Containers
- View Delivery Items
- Edit Delivery Items
- Edit Delivery Items For Store
- Edit Delivery Items For Warehouse
- Edit Delivery Items For Supplier
- Edit Delivery Items DC
- Accept Delivery
- Reject Delivery
- Download PDF Document
- Match Expected Delivery
- View Fulfillable Orders (and adjust stock levels)
- Send SMS Message
- View Notes
- Edit Notes
- Automatically populate item quantities from expected delivery
- Automatically populate container item quantities from expected delivery
- POS Print Delivery
- Accept entire delivery with one click
- Accept entire delivery with one click for Store
- Accept entire delivery with one click for Warehouse
- Accept entire delivery with one click for Supplier
- Accept entire delivery with one click for DC
- Save Delivery
- Import CSV
- Export CSV
- Allow Accept Delivery at Item/Container Level

7.0   Location Inventory Configuration

Goods In options are largely configured by location. All the location inventory configuration options are detailed in the following table.

Field/Option	Description
Inventory Management Details	• Choose an alternate delivery location type from the Location Type drop-down. The available options are maintained in Location Type Hierarchy. • Enter an alternate delivery location ID in the Location ID field. Alternatively, choose an ID from the drop-down. The available options are maintained in Locations. • Choose a home delivery inventory source location type from the Location Type drop-down. • Enter a home delivery inventory source location ID in the Location ID field. Alternatively, choose an ID from the drop-down. • Choose a default inventory source location type from the Location Type drop-down. • Enter a default inventory source location ID in the Location ID field.
Edit Default Invoice Address	Standard address maintenance screen.
Is Stock Holding Location	Select the check box if stock will be held at this location.

| Field/Option	Description
Disallow Unexpected Containers in Goods In	When checked, if additional containers are received, that are not part of the expected delivery, Retail-J will display a warning message "Unexpected Container" and disallow the container in the delivery.
Hold Customer Orders Centrally	Select the check box if customer orders will be held at a central location.
Stock Count Serial Number Discrepancy Check	To configure the display of serial number discrepancies prior to accepting the stock count: 1. Disable the "Automatically Accept Finished Stock Count" role from Stock Counting for a user. 2. Enable the "Visible" check box under Data Maintenance > Workflow > Form Definitions > SCViewItems > SCViewItemsData > SerialDiscrepancy > Check Visible and save the changes. 3. At this point, the user is able to see and select the check box "Stock Count Serial Number Discrepancy Check" in Location Maintenance. When this box is checked, you can see the "The discrepancies are outside the acceptable discrepancy limits for the Count and a recount must be performed" message on finishing a stock count when the counted number matches but there is a discrepancy in the counted serial numbers or the counted serial numbers are more/less than the actual serial numbers. When accepting a count, you can see a Serial Number Discrepancy Indicator of "Yes" if there is serial number discrepancy or else "No". The Serial Number Discrepancy icon is shown against Serial Number Discrepancy Products. Click on the Serial Number Discrepancy icon to view the Serial Number Discrepancy Report. The report can be saved or printed.
Goods In Discrepancy Option	Where All or Store to Store are selected, you can see a Goods In Discrepancy Summary screen when accepting a delivery.Goods In Discrepancy Summary is for information only. You cannot return to the Goods In to edit the quantity received. A message "Please Contact the Store Manager of <Store Name> to Correct this discrepancy" is also displayed.
Inventory Reservation Request Method	Choose an Inventory Reservation Request Method from the drop-down. The available options are automatic and manual.
Show Expected Stock Values in Stock Count	Select the check box to show expected stock values in stock counts. For a blind stock take, that is where staff in store do not know the expected stock values, do not select this check box.
Perform Stock Count by Location Zone	Select the check box to perform stock counts by location zone This enables you to split up a location into smaller virtual or physical sections, that is zones. This means that a stock count can be performed on a zone rather than at the whole location.
Treat Uncounted Values in Stock Count as Zeros	Select the check box to exclude uncounted stock from stock counts.
Auto Select Discrepancy Items for Recount	When the check box is selected, discrepancy and uncounted items are automatically selected for recounts.
Carry Forward Counted Values For Recount	When this check box is selected already counted values are carried forward for recounts.
Ignore Movements in Stock Count	Select the check box to ignore stock movement in stock counts.
Populate Stock Count Retail Price	Choose from, Start Stock Count, Finish Stock Count, Accept Stock Count and Do Not Populate Retail Price.

Field/Option	Description
Maximum Number of Stock Count Items to Display	Enter the Maximum Number of Stock Count Items to Display. The default is 1000.
Require reason for each Stock Count Item	If the check box is enabled, you have the option to select a reason code for each item with discrepancies before accepting a stock count. A warning message "All Items must be allocated Reason Codes" is displayed if a reason code is not selected. You can enter notes (up to 200 characters) following the stock count adjustment reason code. Notes may be added by item with discrepancies or by stock count where none of the items show a count discrepancy.
Stock Count Quantity Method	Choose a Stock Count Quantity Method method from the drop-down menu. The available options are: Adjust; Adjust (Differences Only); Overwrite
Overwrite Stock Count During CSV Import	Select this check box if the stock count is to be overwritten when importing a CSV file.
Stock Count View MMGroup URL	Enter a URL in the Stock Count View MMGroup URL field.
Enter Serial Numbers for Expected Deliveries	Select the check box to force serial numbers to be entered for any serial tracked item contained in an expected delivery.
Enter Serial Numbers for PIRs	Enter serial numbers for the requested stock items.
Validate Serial Numbers	When this check box is selected the serial number must be validated.
Generate Expected Delivery ID from Goods Out ID	For example: Goods Out ID: GDO0046 (that is GDO as the prefix for Goods Out, 004 as the sending Location ID and 6 being the 6th Goods Out from this location. Expected Delivery ID: EDY00512 (that is EDY as the prefix for Expected Delivery, 005 as the receiving location ID and 12 being the 12th Expected Delivery at this location.
Match Ad hoc Deliveries	Select the check box to enable ad hoc deliveries to be matched to Goods In events where applicable in stock counting.
Force Single Drop Delivery	If this flag is set, then processing of goods in, in response of an expected delivery, will close that delivery regardless of whether there are containers/items still outstanding.
Reduce In-Transit Inventory by Dispatched Quantity	Where items are not delivered to a receiving location, this flag allows the In-Transit stock of the sending location to be reduced by the despatched quantity.
Maximum Number of PIRs Submitted in a Day	Enter the maximum number of requests per day in the *Maximum Number of Product Inventory Requests Submitted in a Day* field.
Partially Accept Delivery Containers	Select the check box to partially accept delivery containers.

Field/Option	Description
Consolidated Item Checking	Consolidated Item Checking for Goods Outs generated from PIRs and for Goods Ins generated from Expected Deliveries uses the following functionality. If the Consolidated Item Checking check box is selected, then for a Goods Out which is generated from an original PIR: • If a container is added to the Goods Out which was not in the original PIR, the "Unexpected Container" message is not displayed. • When deciding whether to show the "Expected Qty Exceeded" message for the item entry, the total quantity of the item (whether loose or in containers) is taken into account against the total requested quantity of the item (whether loose or in containers). This applies when adding the item in a container or loose. When deciding whether the original PIR has been fulfilled, the application does not try and match items against containers, it just compares the total quantity of each item (whether loose or in a container) against the total requested quantity of the item from the PIR. The above flag also controls whether the above functionality is switched on for a Goods In which is generated from an original Expected Delivery (which may in turn be generated from an original PIR).
Remove Zero Quantity Lines from Deliveries	When selected, when a Goods Out is submitted, any product lines with a quantity of zero will be removed from the Goods Out. The same applies for Goods In (using the same flag).
Use FIFO Costing	Select the Use FIFO Costing check box to force product inventory to use first in first out costing.
View Fulfillable Orders in Goods In	The flag defaults to true and needs to be disabled for the screen not to be shown.
Goods Out Print Consignment URL	Enter a URL in the Goods Out Print Consignment URL field.
Inventory Server URL	Enter a URL in the Inventory Server URL field.
Product Lookup Web Service	Select a web service from the drop down list.
Process Inventory Transactions using Registered Device	Allow the inventory processors to use registered device ID instead of server device ID.
Item Scanning Options	Select the Item Scanning Options for Goods Out, Goods In, Product Inventory Requests, Stock Counts and Stock Adjustments. The available options are: • *Standard Entry*: the item is scanned and added to the list. • *Batch Entry*: the item is scanned but not added to the list until the end. • *Non-Incremental Entry*: the item is scanned, but the quantity is not increased and is not added to the list.
Stock Count Item Display Options	Click the required button to group stock count items by Department or Range.

Field/Option	Description
Edit Stock Transfer Options	To configure the stock transfer options: 1. For each of the location types in the Stock Transfer Options column, select the Allow Transfer In check box to allow deliveries from this type of location. 2. For each of the location types in the Stock Transfer Options column, select the Allow Transfer Out check box to allow deliveries to this type of location. 3. For each of the required Permitted Location Regions, choose a region from the drop-down and click the Add icon. Click the Remove icon to delete any regions added in error. Alternatively, choose All Regions from the drop-down to enable stock transfer across all regions. 4. For each of the required Permitted Location Types, choose a type from the drop-down and click the New icon. Click the Remove icon to delete any types added in error. Alternatively, choose All Types from the drop-down menu to enable stock transfer across all location types. 5. For each of the required Permitted Location Locales, choose a locale from the drop-down and click the Add icon. Click the Remove icon to delete any locales added in error. 6. For each additional country besides the default country, select the required check boxes to enable stock transfer between Warehouses, Stores and DCs. 7. Click the Back icon to return to the previous pane.
Options	Click the Save icon to save your changes. Alternatively, click the Cancel icon to abandon your changes and return to the previous screen.

8.0 User Interface

The Product Inventory user interface is mapped in the following diagram. The elements of the user interface used in goods inwards are highlighted in the diagram and described in more detail in the worked example below.
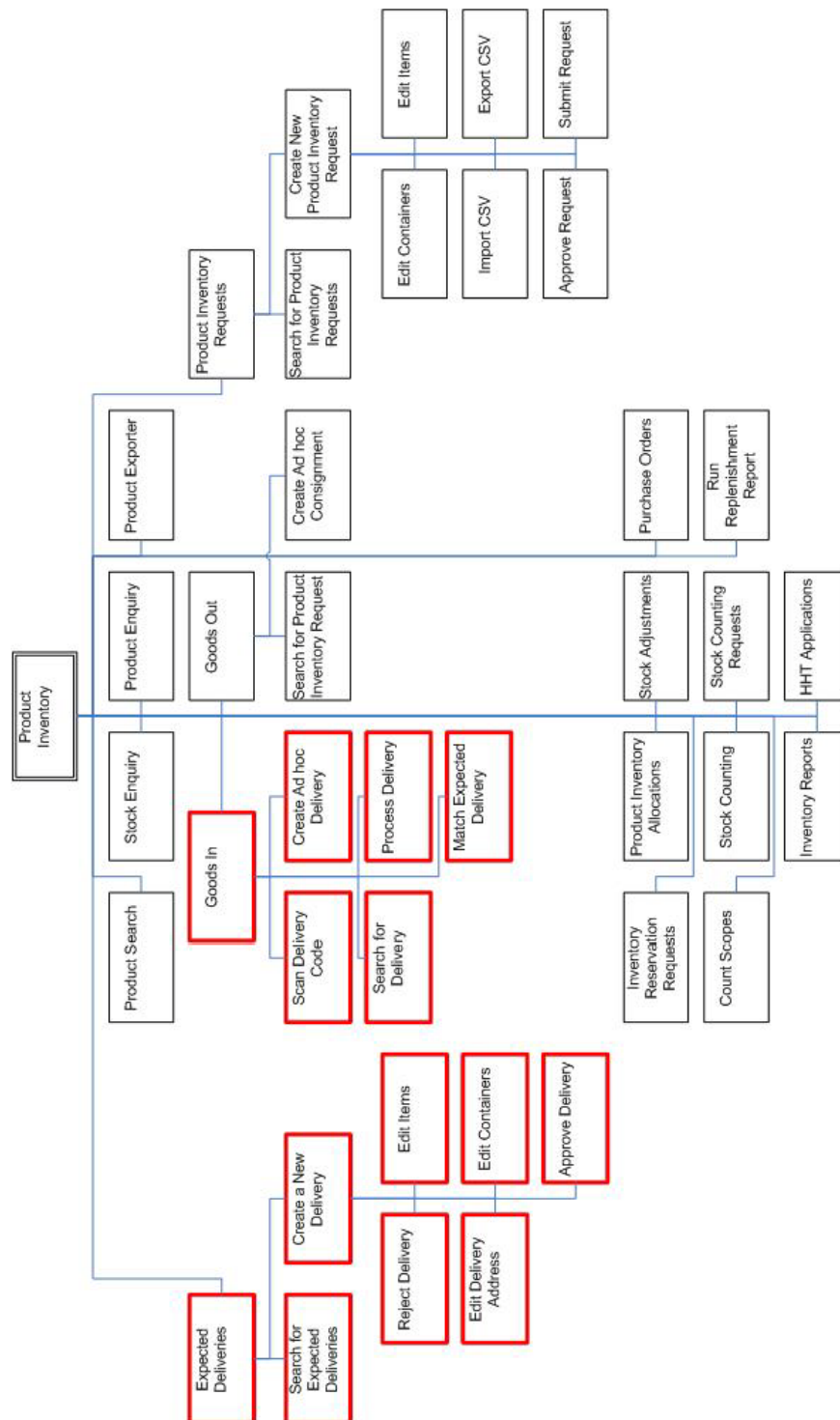
8.1 Worked Example

In this example, the Retail-J sample estate is configured with two devices. The Estate Manager (TEST); and a thick POS in Store 4 (S04). Each machine supports its own operational database and is capable of running the POS and all the back office applications that make up Retail-J.

8.1.1 Creating a Purchase Order

In this example, a purchase order with a locally managed supplier is created at Store 4 in the sample estate.

At Store 4, go to Operations > Product Inventory > Purchase Order

The Purchase Order filter screen is displayed, listing purchase orders for a given estate location and status between a start and an end date.

Click the Create a New Order icon.

The Purchase Order input screen is displayed.

The following fields and options are available.

Option/field	Description
Order ID	Purchase order ID comprising "PO", location ID and a sequential number of the purchase orders from this location.
Supplier Name	Select from the drop down list.
Status	Initial order status is New. Statuses are: New, Approved, Submitted, Cancelled, Partially Complete, Complete, Closed.
Notes/Instructions	Memo fields
User ID	ID of the logged in user creating the purchase order.
Order Value	Initial value zero. The value is updated as products are added to the purchase order.
Edit Invoice/Supplier Address	Provides access to supplier and delivery address maintenance screens.
Edit Items	See "Edit Items" on page 18.
Approve Order	This option is the first part of the purchase order submission process. When the option is selected, the purchase order's status is set to Approved.
Submit Order	This option is the second part of the purchase order submission process. When the option is selected, the purchase order's status is set to Submitted.
Cancel Order	This option is available once the purchase order is approved or submitted
Expected Delivery Date/Latest Delivery Date	Where a locally managed supplier is selected, expected and latest delivery dates are entered.

8.1.1.1 Edit Items

Click on the Edit Items icon to add items to the purchase order.

The Purchase Order Edit Items screen is displayed.

Local or supplier product IDs can be entered. Local products can be selected from the product hierarchy or a new product can be added and specified at this stage.

Click on the Back icon to return to the Purchase Order input screen.

8.1.1.2 Approve Purchase Order

Click on the Approve Purchase Order icon.

You are returned to the Purchase Order Filter and Selection screen.

The status is shown as approved.

There is the option to add information and email the order.

8.1.1.3   Submit Purchase Order

Click on the Submit Purchase Order icon.

You are returned to the Purchase Order Filter and Selection screen.

The status is shown as submitted.

The options available are: view, print, select PDF for view or download, create a new purchase order based on this purchase order.

Click the Print icon to preview the purchase order on screen.

Purchase Order

Order ID	**PO0044**	Date Raised	**06/06/13**
Location ID	**4**	Location Name	**UK Store 4**
Supplier ID	**3**	Supplier Name	**Tea Supplier**
Raised By		Authorised By	**ADMIN**
Delivery Address		Invoice Address	
-		-	
Notes			
Instructions			

Product ID	Description	Quantity
35	Herbal Tea	144
3	Tetley Tea	144

	Total	288	

The purchase order can be printed or you can return to the Purchase Order Filter and Selection screen.

8.1.1.3.1   Expected Delivery XML Document

An expected delivery document is messaged to the Estate Manager.

Document Out Management

Document Out Management allows you to view documents out and to re-submit failed documents.

Field	Value
Document ID	4ec0a3bb5d73f98f:-2555fede:13ef9a5c6f0:-7834
Root Tag	ExpectedDelivery
Date Received	06/06/13 18:31
Status	Successful

XML	`<ExpectedDelivery><XMLSchemaVersion>1</XMLSchemaVersion>`
	`<ID>EDY00412</ID><Status>2</Status>`
	`<CreationDate>2013-06-06T18:31:14+01:00</CreationDate>`
	`<DateExpected>2013-06-06T00:00:00+01:00</DateExpected>`
	`<LatestDeliveryDate>2013-06-06T00:00:00+01:00</LatestDelive`
	`ryDate><Notes></Notes><Instructions></Instructions><UserID>`
	`</UserID><AuthorisingUserID>ADMIN</AuthorisingUserID>`
	`<LocationID>4</LocationID><LocationType>2</LocationType>`
	`<SourceID>3</SourceID><SourceType>5</SourceType>`
	`<OrderID>PO0044</OrderID><RequestID></RequestID>`
	`<EnterSerialNumbers>0</EnterSerialNumbers><DeliveryType>`
	`</DeliveryType><CarrierCode>-</CarrierCode>`
	`<ScannedOnDispatch>1</ScannedOnDispatch>`
	`<DeliveryAlreadyReceived>0</DeliveryAlreadyReceived>`
	`<DeliveryAddress><XMLSchemaVersion>1</XMLSchemaVersion>`
	`</DeliveryAddress><GeneratedAtID>4</GeneratedAtID>`
	`<GeneratedAtType>2</GeneratedAtType><GoodsOutID>`
	`</GoodsOutID><GoodsOutReasonCode></GoodsOutReasonCode>`

View XML Tree	→

The full XML for the Purchase Order document is listed below.

```
<ExpectedDelivery><XMLSchemaVersion>1</XMLSchemaVersion><ID>EDY00412</
ID><Status>2</Status><CreationDate>2013-06-06T18:31:14+01:00</Creation-
Date><DateExpected>2013-06-06T00:00:00+01:00</DateExpected><LatestDelivery-
Date>2013-06-06T00:00:00+01:00</LatestDeliveryDate><Notes></
Notes><Instructions></Instructions><UserID></UserID><AuthorisingU-
serID>ADMIN</AuthorisingUserID><LocationID>4</LocationID><LocationType>2</
LocationType><SourceID>3</SourceID><SourceType>5</SourceType><Orde-
rID>PO0044</OrderID><RequestID></RequestID><EnterSerialNumbers>0</EnterSer-
ialNumbers><DeliveryType></DeliveryType><CarrierCode>-</
CarrierCode><ScannedOnDispatch>1</ScannedOnDispatch><DeliveryAlreadyRe-
ceived>0</DeliveryAlreadyReceived><DeliveryAddress><XMLSchemaVersion>1</
XMLSchemaVersion></DeliveryAddress><GeneratedAtID>4</GeneratedAtID><Genera-
tedAtType>2</GeneratedAtType><GoodsOutID></GoodsOutID><GoodsOutReason-
Code></GoodsOutReasonCode><SequenceDeviceID></
SequenceDeviceID><SequenceNumber>0</SequenceNumber><NextLineNumber>3</Next-
LineNumber><ExpectedDeliveryItem><XMLSchemaVersion>2</XMLSchemaVer-
sion><ID>35</ID><ProductID>35</ProductID><MMGroupID></
MMGroupID><ImageFilePath></ImageFilePath><InventoryType>1</Inventory-
Type><LineNumber>1</LineNumber><Type>0</Type><Quantity>144.0</Quan-
tity><Description>Herbal Tea</Description><ItemUnits>1</
ItemUnits><RetailPrice>0</RetailPrice><SupplierProductID>35</SupplierPro-
ductID><SupplierProductDescription>Herbal Tea</SupplierProductDescrip-
tion><CurrencyID>GBP</CurrencyID><CostPrice>1000</CostPrice></
ExpectedDeliveryItem><ExpectedDeliveryItem><XMLSchemaVersion>2</XMLSchema-
Version><ID>3</ID><ProductID>3</ProductID><MMGroupID></MMGroupID><ImageFi-
lePath></ImageFilePath><InventoryType>1</InventoryType><LineNumber>2</
LineNumber><Type>0</Type><Quantity>144.0</Quantity><Description>Tetley Tea
250g</Description><ItemUnits>1</ItemUnits><RetailPrice>0</RetailPrice><Sup-
plierProductID>3</SupplierProductID><SupplierProductDescription>Tetley
Tea</SupplierProductDescription><CurrencyID>GBP</CurrencyID><Cost-
Price>1000</CostPrice></ExpectedDeliveryItem></ExpectedDelivery>
```

If this had not been a locally managed supplier, then a purchase order document would have been messaged up to the Estate Manager.

8.1.2 Related Expected Delivery

The expected delivery related to the purchase order is listed in the Expected Delivery Filter and Selection screen.

8.1.3 Goods In

The main Goods In screen is displayed.

Goods In

Goods in allows you to receive and record deliveries of loose items and containers. To continue working on an existing delivery, select it from the list below. To create a new delivery select an expected delivery from the list or select "Create Ad-hoc Delivery".

Select a location:	Type	Store	Name		UK Store 4

All expected deliveries which are not complete are listed below.

Select an expected delivery, create an ad-hoc delivery or scan a delivery code.

Customer Orders	(All)		
Apply Filter			

Options	Delivery Code	Original Order ID	Original Goods Out ID	Source Name	Status	Date Expected
🔍 ➡	EDY00412	PO0044	-	Tea Supplier	Approved	06/06/13
🔍 ➡	ADHOCEXPDEL	-	-	UK Store 5	Approved	30/04/13

Create Ad-hoc Delivery ➡	
Delivery Code	

Status	(All)
Customer Orders	(All)
Start Date	31/05/13
End Date	06/06/13
Apply Filter	

All current deliveries which meet the criteria are listed below.

Options	Goods In ID	Source Name	Original Goods Out ID	Status	Delivery Date
-	-	-	-	-	-

Match Expected Delivery ➡	

Click the Next icon against your selected uncompleted expected delivery.

The Goods In screen is displayed.

Goods In

The following details apply to delivery EDY00412:01 received on 06/06/13 19:18
The delivery was expected.

Field	Value
Goods In ID	EDY00412:01
Expected Delivery ID	EDY00412
Source Type	Supplier
Source Name		Tea Supplier
Delivery Type	
Carrier Code	-
Scanned On Dispatch	☑
Date Created	06/06/13 19:18
Delivery Date	06/06/13 19:18
Status	Received
Notes	
Instructions	
User ID	ADMIN
Total Items	288
Edit Containers	➡
Edit Items	➡
Export CSV	➡
Import CSV	➡
Accept Entire Delivery	➡
Accept Delivery	➡
Reject Delivery	➡
💾 ❌	

In this instance, select Edit Items.

Goods In

Enter all products received in the delivery below.

Options	Product ID	Inventory Type	Retail Price	Quantity	Value	Quantity Expected	Value Expected	Description	Messages
❌	3	Available	£15.01	144	£2,161.44	144	£2,161.44	Tetley Tea 250g	-
❌	35	Available	£0.89	144	£128.16	144	£128.16	Herbal Tea	-
Total				288	£2,289.60	288	£2,289.60		
👓		Available				➕ New			
Accept Delivery	➡								
↩ ↓ᵃz									

Remove one product from the delivery.

Accept the delivery.

The main Goods In screen is displayed.

Note, there are now two entries relating to the delivery. There is an expected delivery which relates to the items not received and an accepted delivery relating to the items received.

Clicking the Next icon against the partially complete expected delivery displays the Goods In screen.

Click Edit Items.

The outstanding portion of the delivery is displayed.

Accept the delivery.

The main Goods In screen is displayed.

The partially received expected delivery has been removed and the original consignment is now represented by two accepted deliveries.

The goods in note can be viewed or printed for each part delivery.

Goods Received

Goods In ID	EDY00412:03	Delivery Date	06/06/13
Location ID	4	Location Name	UK Store 4
Source ID	3	Source Name	Tea Supplier
Delivery Type		Carrier Code	-
Received By	ADMIN	Authorised By	ADMIN
Notes			
Instructions			

Container ID	Product ID	Description	Retail Price	Expected Qty/Value	Actual Qty/Value
-	3	Tetley Tea 250g	£15.01	144 £2,161.44	0 £0.00
-	35	Herbal Tea	£0.89	144 £128.16	144 £128.16
			Total	288 £2,289.60	144 £128.16

8.1.4 Goods In Document

A Goods In document is messaged to the Estate Manager for each part delivery.

The full XML for the Goods In document is listed below.

```
<GoodsInEvent><XMLSchemaVersion>1</XMLSchemaVersion><ID>EDY00412:03</
ID><Status>2</Status><TimeZoneOffset>-60</TimeZoneOffset><Creation-
```

Date>2013-06-06T19:56:26+01:00</CreationDate><ProcessedDate>2013-06-06T20:06:13+01:00</ProcessedDate><Notes></Notes><Instructions></Instructions><UserID>ADMIN</UserID><AuthorisingUserID>ADMIN</AuthorisingUserID><LocationID>4</LocationID><LocationType>2</LocationType><GeneratedAtID>4</GeneratedAtID><GeneratedAtType>2</GeneratedAtType><SequenceDeviceID>ALL.TES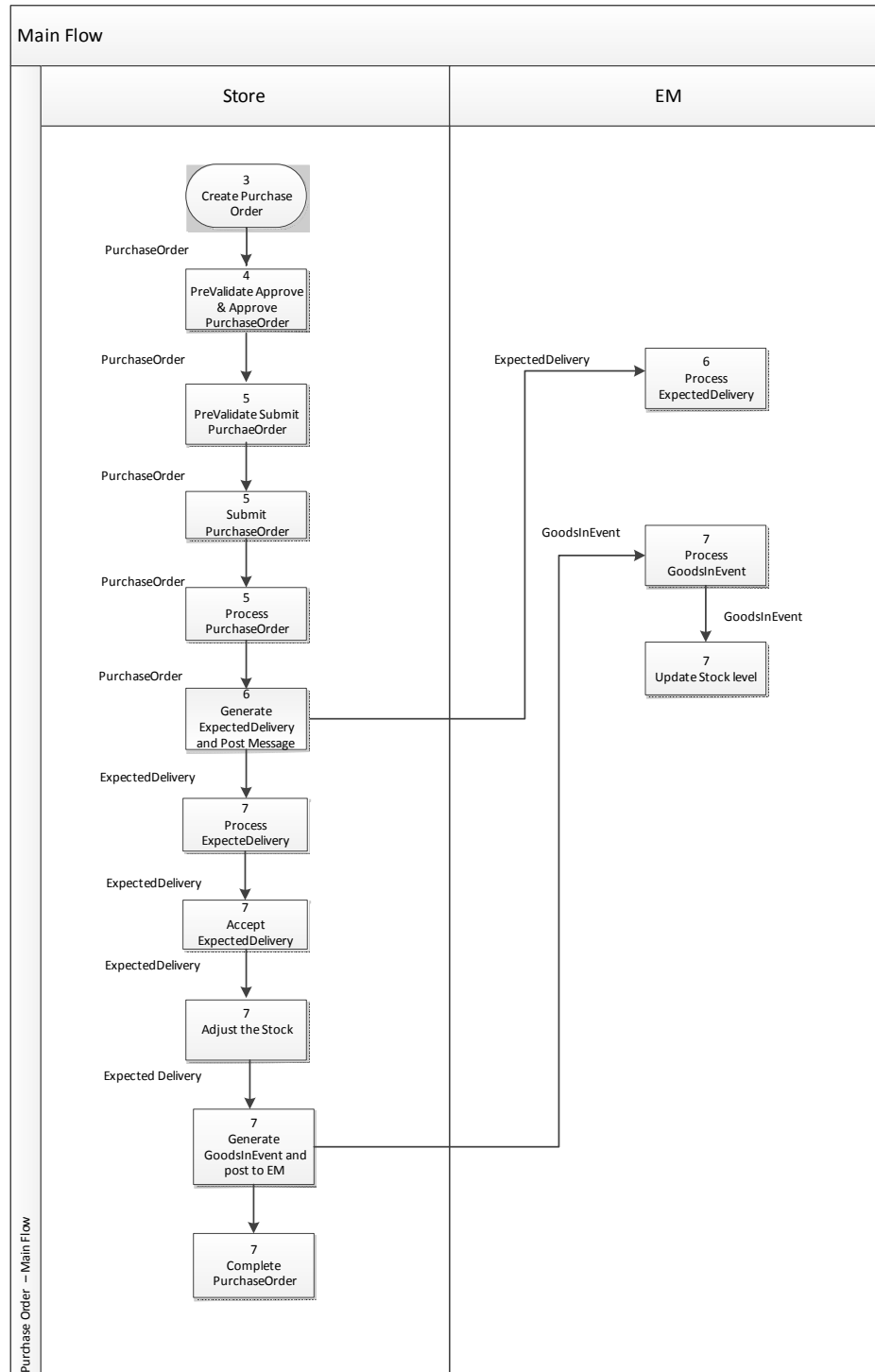T.S04</SequenceDeviceID><SequenceNumber>222</SequenceNumber><SupplierOrderItem><XMLSchemaVersion>1</XMLSchemaVersion><ID>35</ID><ProductID>35</ProductID><MMGroupID></MMGroupID><InventoryType>1</InventoryType><Type>0</Type><Quantity>144.0</Quantity><Description>Herbal Tea</Description><ItemUnits>1</ItemUnits><RetailPrice>89</RetailPrice><CostPriceItem><XMLSchemaVersion>1</XMLSchemaVersion><CostPrice>1000</CostPrice><Quantity>144.0</Quantity><DateReceived>2013-06-06T20:06:20+01:00</DateReceived></CostPriceItem><OrderID></OrderID><SupplierProductID>35</SupplierProductID><ItemDescription>Herbal Tea</ItemDescription><CurrencyID>GBP</CurrencyID><CostPrice>1000</CostPrice><UnitPrice>0</UnitPrice><CostPriceLocFlag>0</CostPriceLocFlag></SupplierOrderItem><SupplierOrderItem><XMLSchemaVersion>1</XMLSchemaVersion><ID>3</ID><ProductID>3</ProductID><MMGroupID></MMGroupID><InventoryType>1</InventoryType><Type>0</Type><Quantity>0.0</Quantity><Description>Tetley Tea 250g</Description><ItemUnits>1</ItemUnits><RetailPrice>1501</RetailPrice><OrderID></OrderID><SupplierProductID>3</SupplierProductID><ItemDescription>Tetley Tea</ItemDescription><CurrencyID>GBP</CurrencyID><CostPrice>1000</CostPrice><UnitPrice>0</UnitPrice><CostPriceLocFlag>0</CostPriceLocFlag></SupplierOrderItem><TotalRetailValue>12816</TotalRetailValue><SourceID>3</SourceID><SourceType>5</SourceType><ExpectedDeliveryCode>EDY00412</ExpectedDeliveryCode><IsExpectedDelivery>1</IsExpectedDelivery><DeliveryType></DeliveryType><CarrierCode>-</CarrierCode><ScannedOnDispatch>1</ScannedOnDispatch><ForceItemScan>0</ForceItemScan><GoodsOutID></GoodsOutID><HasBeenProcessed>1</HasBeenProcessed><ConsolidatedItemChecking>0</ConsolidatedItemChecking></GoodsInEvent>
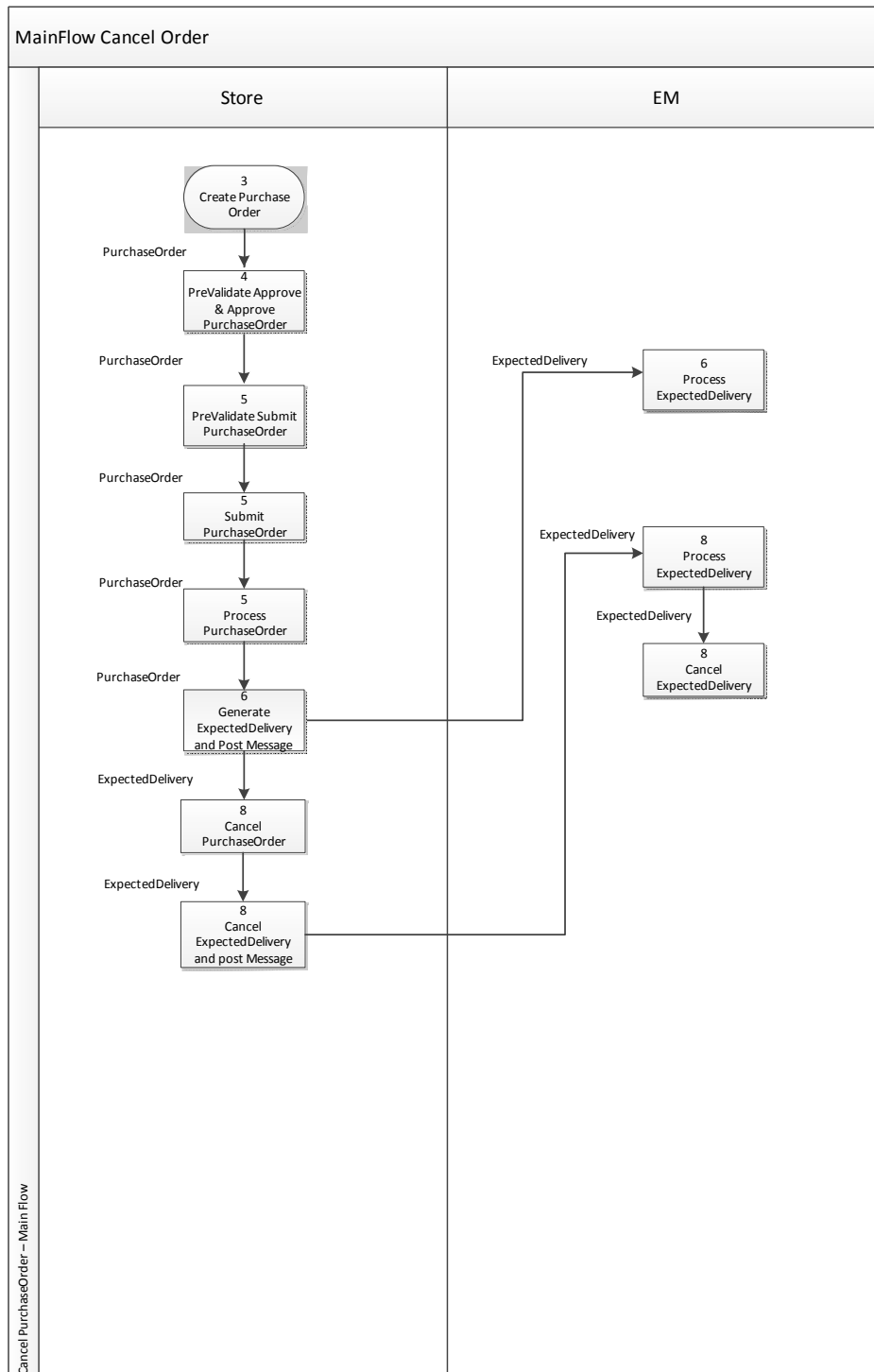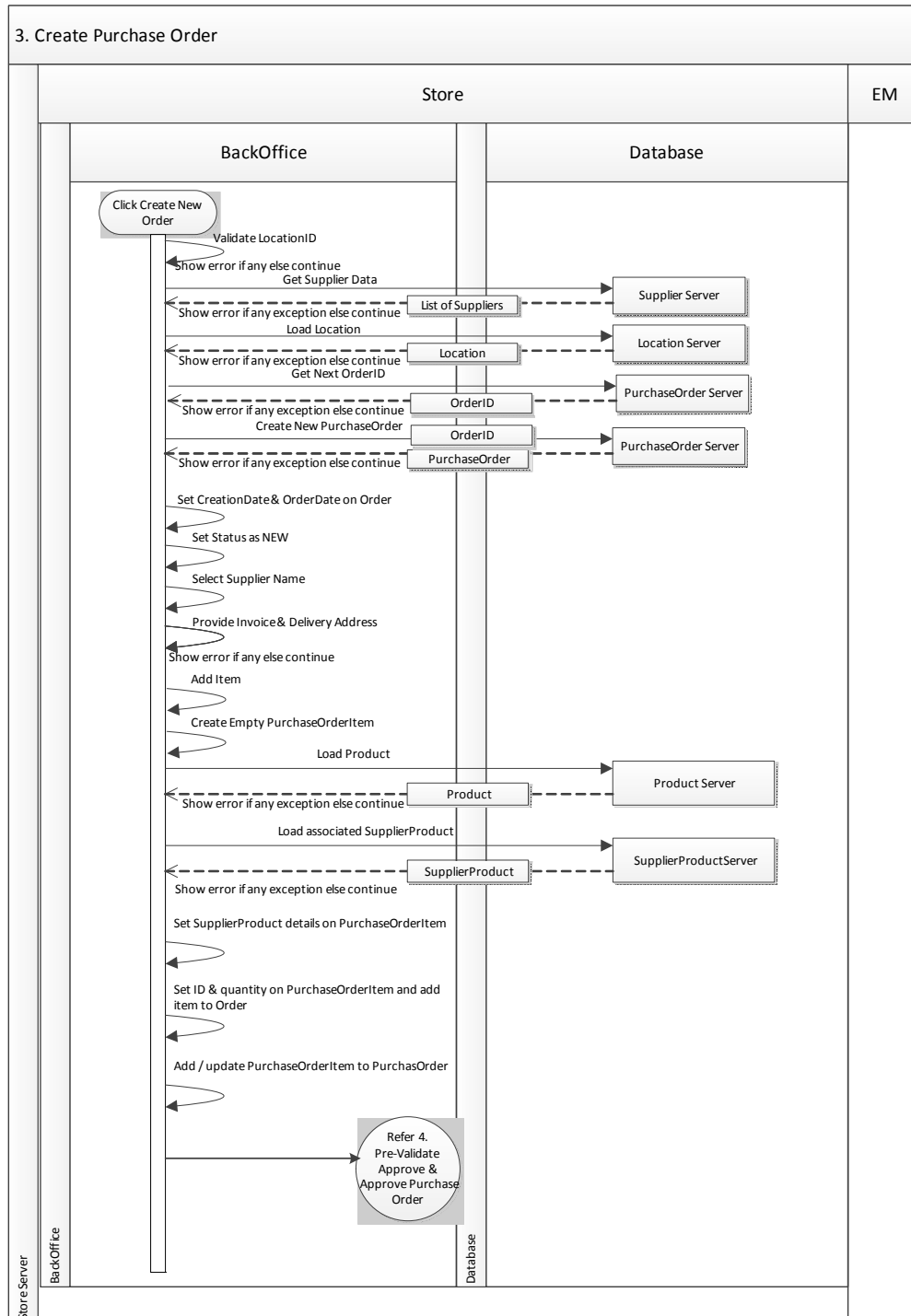
# 9.0 Process and Data Flows

9.1 Main Flow Purchase Order and Goods In

9.2   Main Flow Cancel Order

MainFlow Cancel Order

Store	EM

3
Create Purchase Order

PurchaseOrder

4
PreValidate Approve & Approve PurchaseOrder

PurchaseOrder

ExpectedDelivery

6
Process ExpectedDelivery

5
PreValidate Submit PurchaseOrder

PurchaseOrder

ExpectedDelivery

8
Process ExpectedDelivery

5
Submit PurchaseOrder

PurchaseOrder

ExpectedDelivery

8
Cancel ExpectedDelivery

5
Process PurchaseOrder

PurchaseOrder

6
Generate ExpectedDelivery and Post Message

ExpectedDelivery

8
Cancel PurchaseOrder

ExpectedDelivery

8
Cancel ExpectedDelivery and post Message
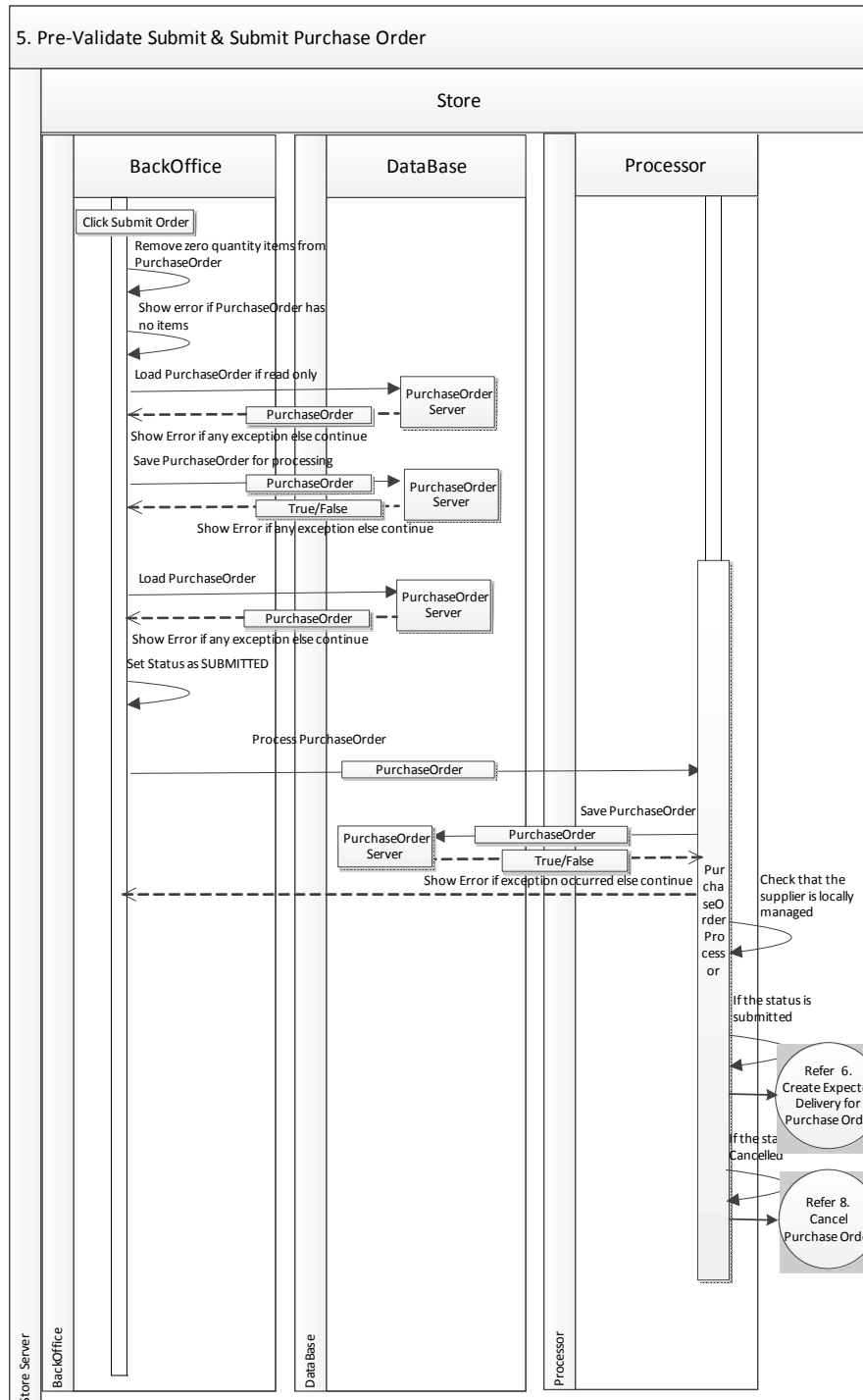
Cancel PurchaseOrder – Main Flow

9.3   3. Create Purchase Order

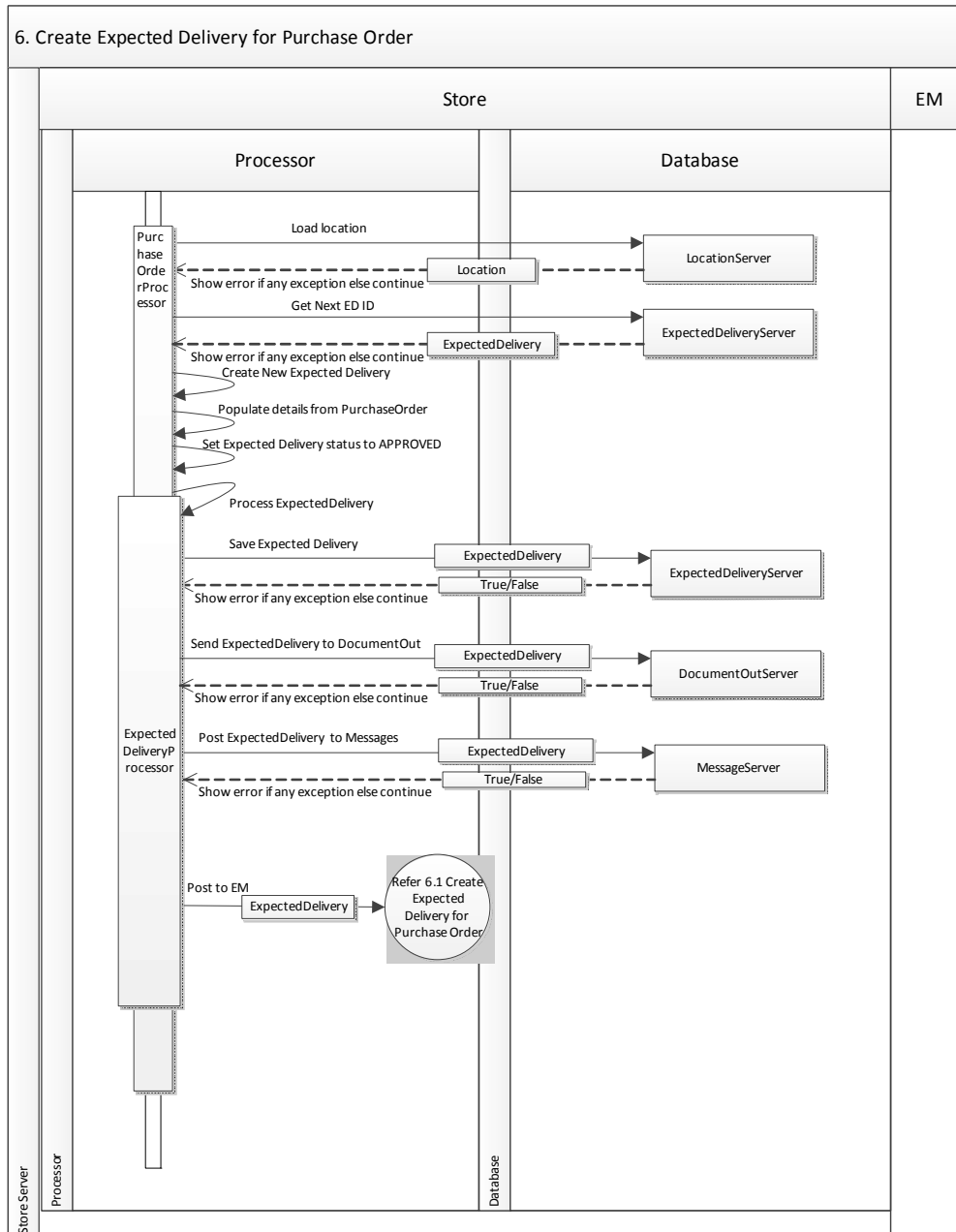## 9.4   4. Prevalidate and Approve Purchase Order
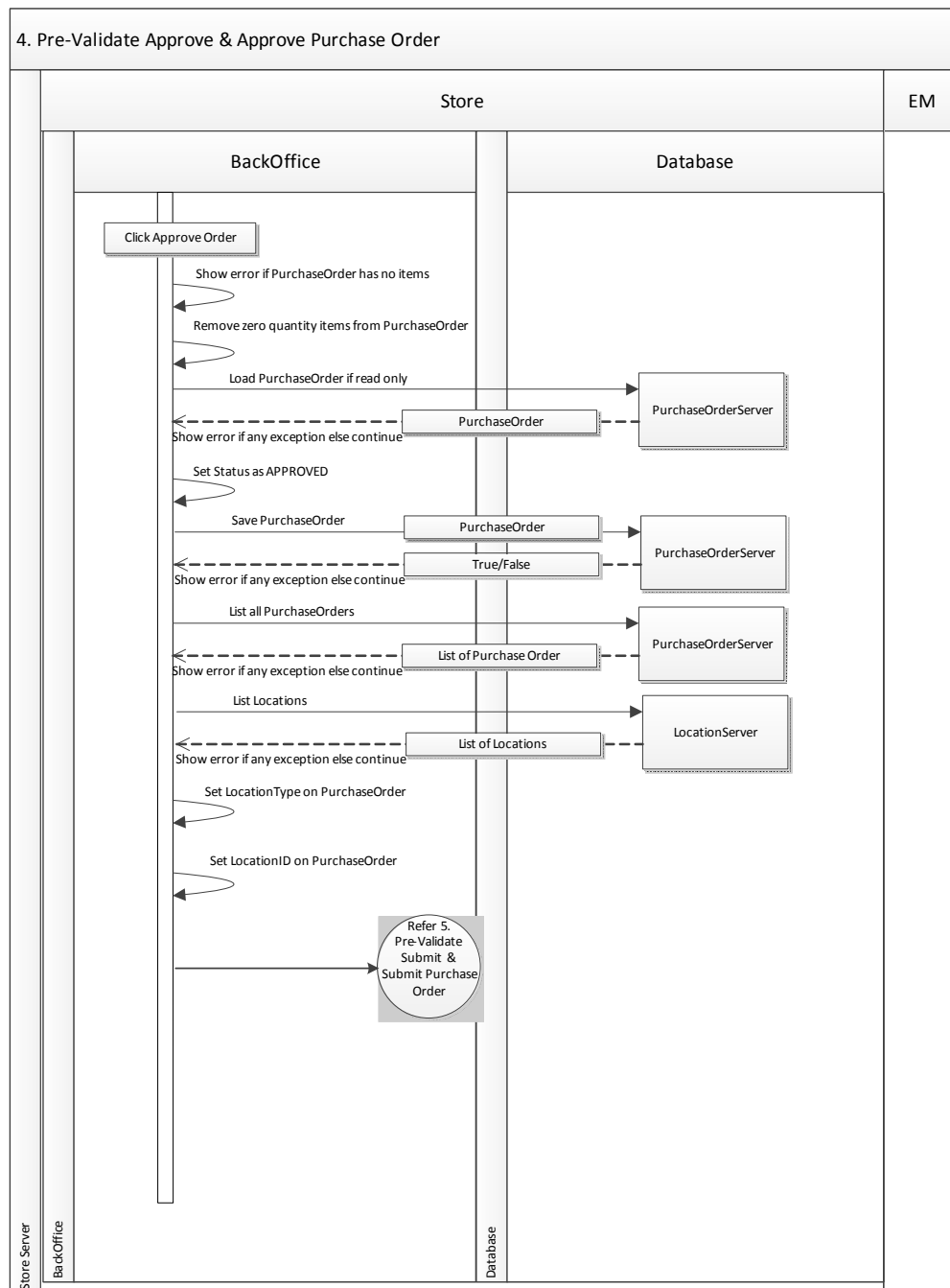
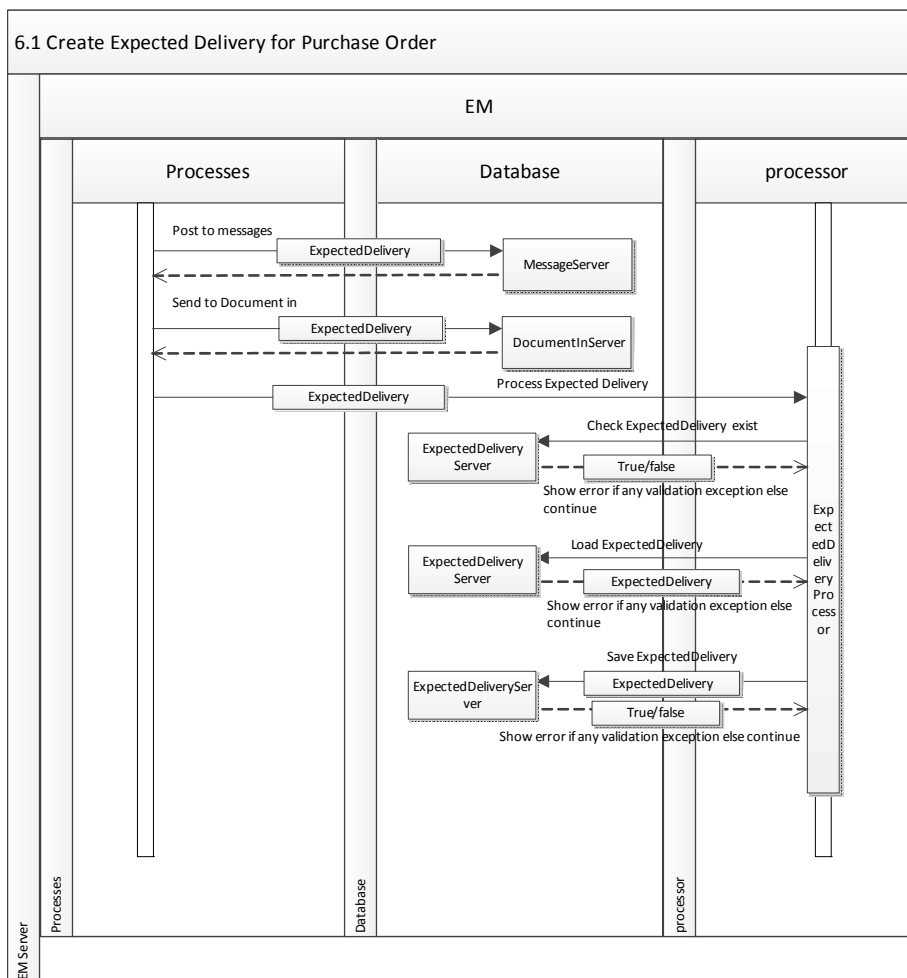## 9.5   5. Prevalidate Submit and Submit Purchase Order

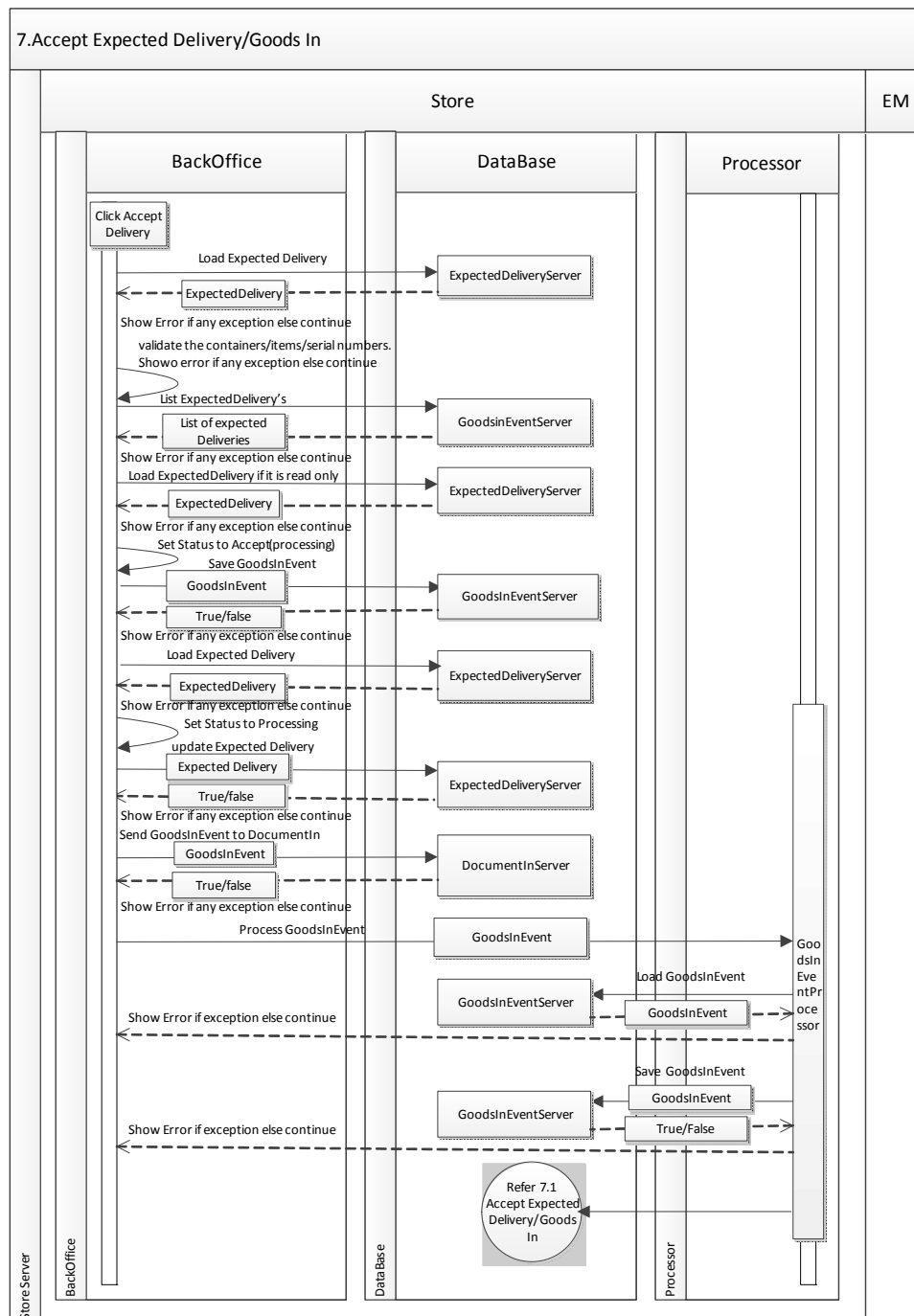5. Pre-Validate Submit & Submit Purchase Order

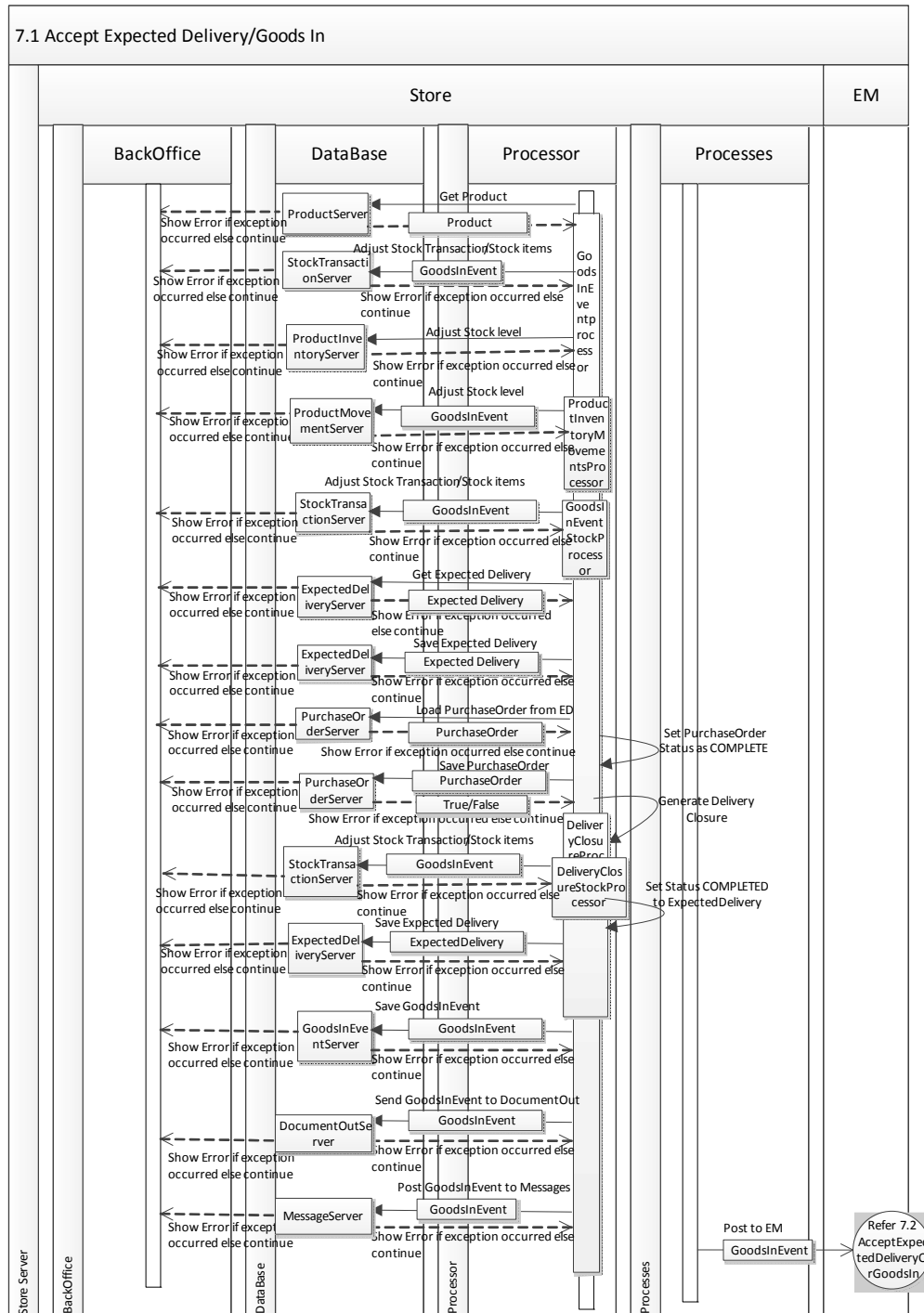## 9.6   6. Create Expected Delivery for Purchase Order

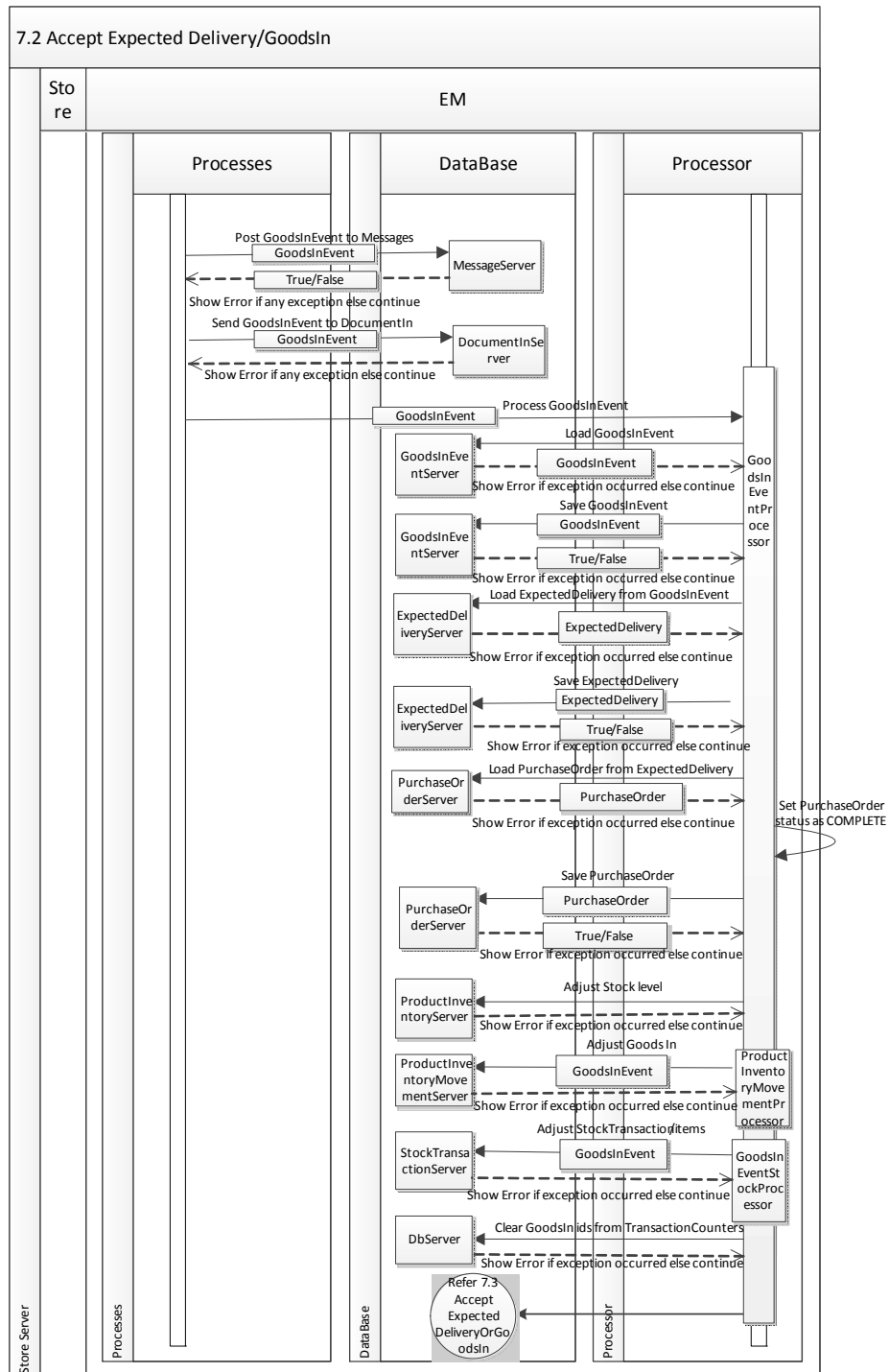## 9.7 6.1 Create Expected Delivery for Purchase Order

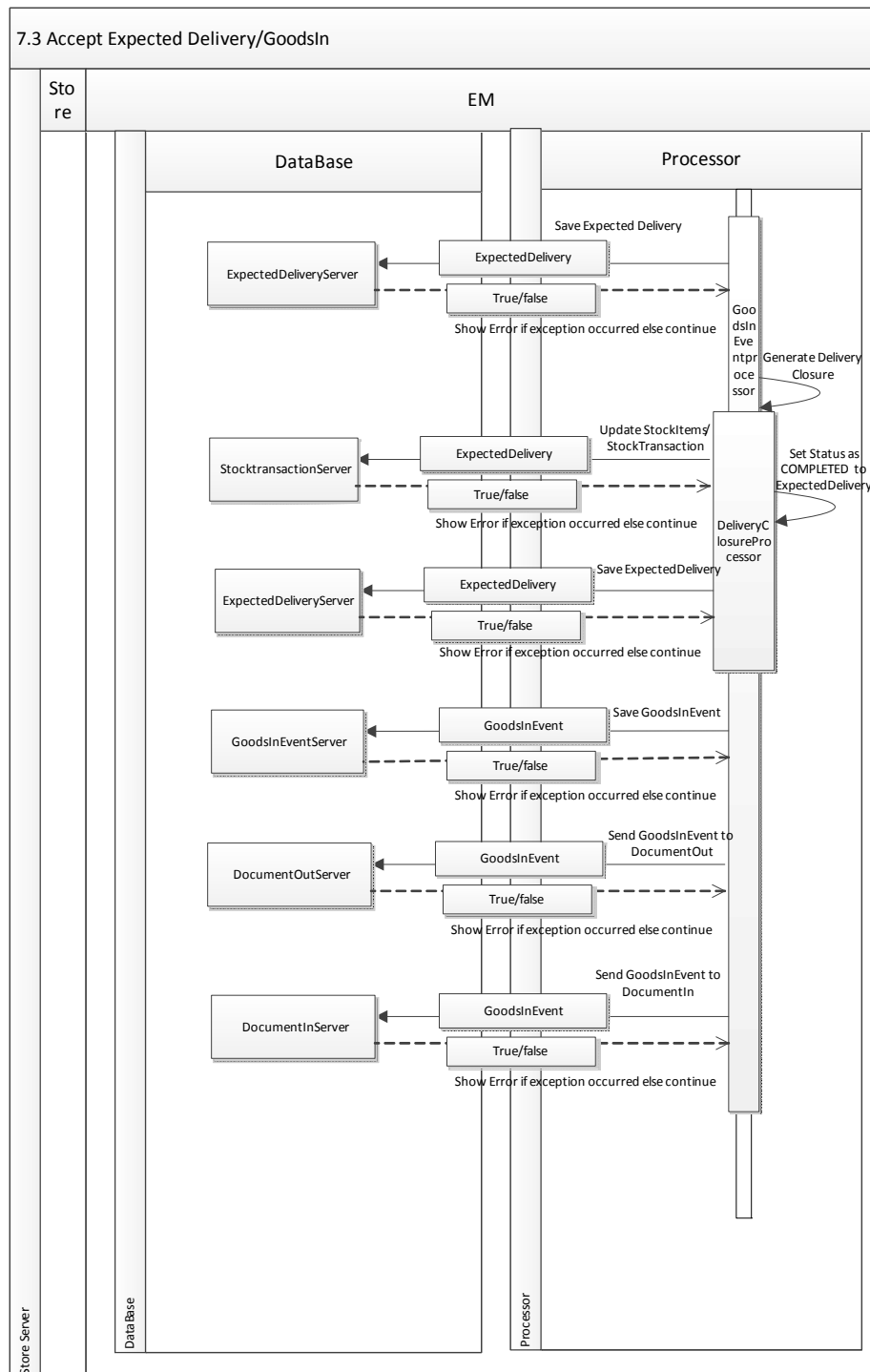## 9.8   7. Accept Expected Delivery or Goods In

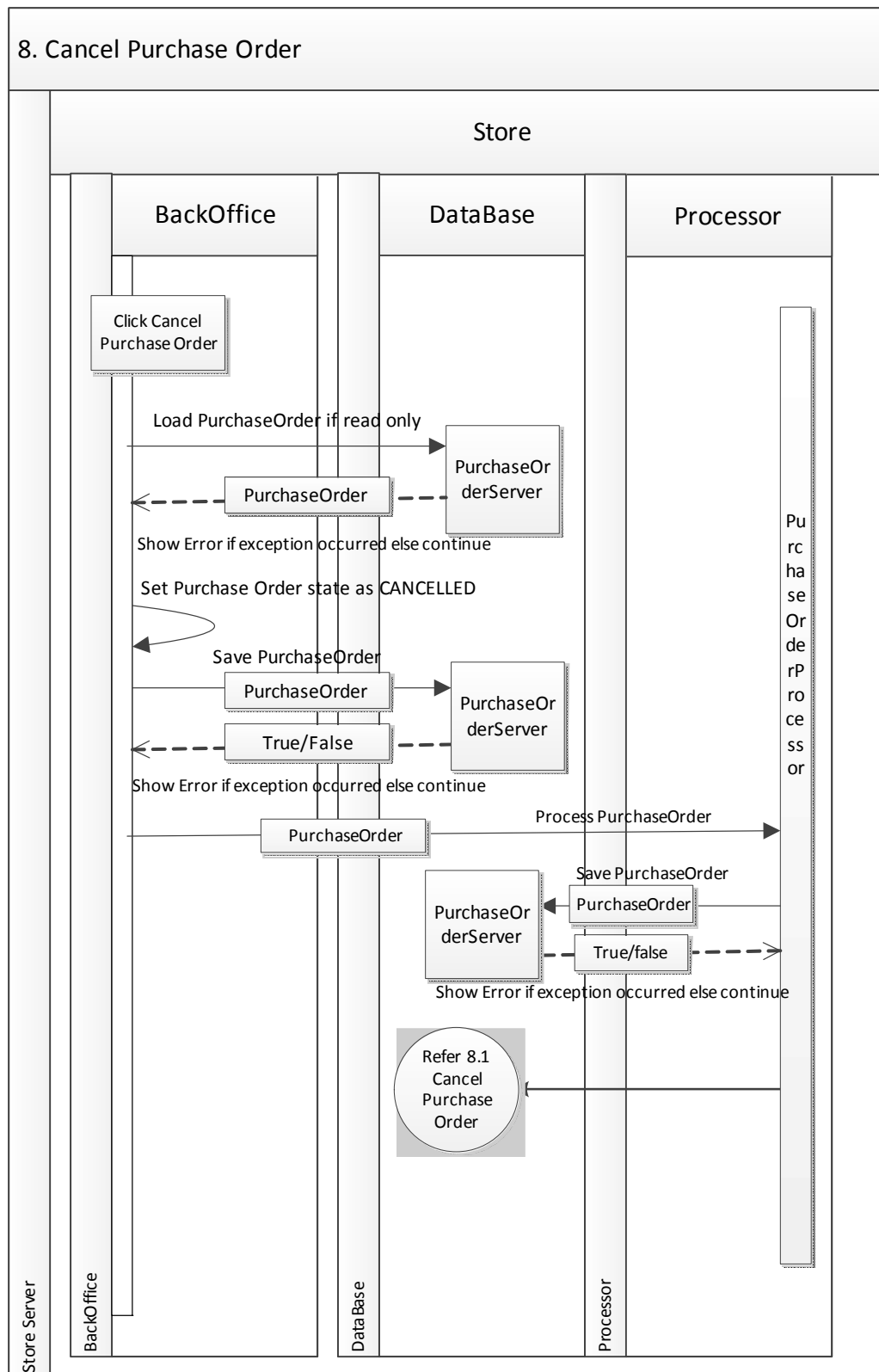## 9.9   7.1 Accept Expected Delivery or Goods In
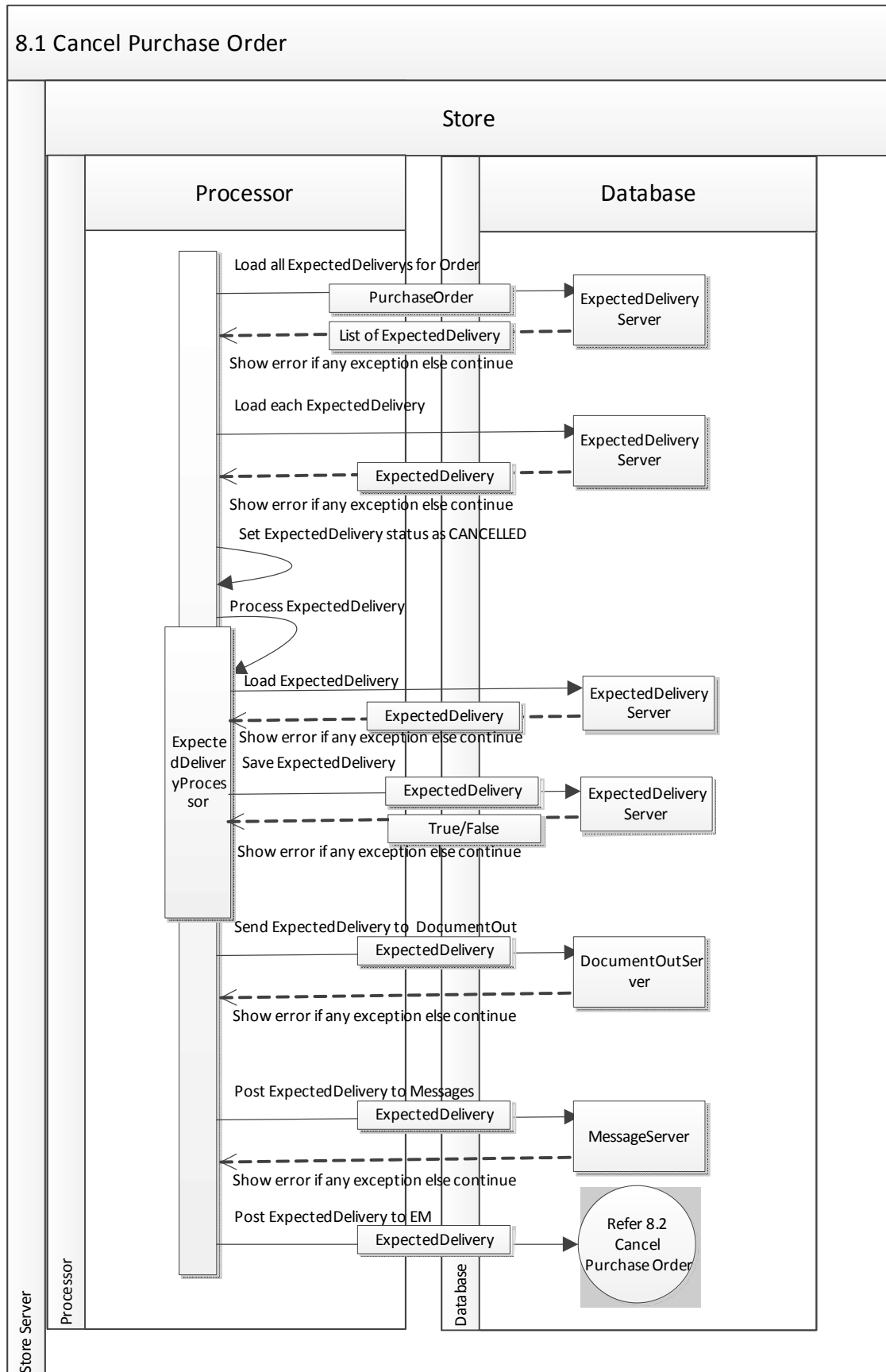
9.10 7.2 Accept Expected Delivery or Goods In

9.11   7.3 Accept Expected Delivery or Goods In

9.12   8. Cancel Purchase Order

8. Cancel Purchase Order

Store

BackOffice | DataBase | Processor

Click Cancel Purchase Order

Load PurchaseOrder if read only

PurchaseOrder — PurchaseOrderServer

Show Error if exception occurred else continue

Set Purchase Order state as CANCELLED

Save PurchaseOrder

PurchaseOrder — PurchaseOrderServer

True/False

Show Error if exception occurred else continue

PurchaseOrder — Process PurchaseOrder

Save PurchaseOrder

PurchaseOrderServer — PurchaseOrder

True/false

Show Error if exception occurred else continue

Refer 8.1 Cancel Purchase Order

Store Server | BackOffice | Data Base | Processor | PurchaseOrderProcessor

9.13   8.1 Cancel Purchase Order

8.1 Cancel Purchase Order

9.14   8.2 Cancel Purchase Order

8.2 Cancel Order Processing in EM