# xpedx.com Next generation

# *Order Update Design Document*

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**Note**: The sign off indicates approval of all sections of the document.

Document Revision History

This chart tracks the changes introduced by the revisions to the document as the project progresses through the stages of the System Development Life Cycle (SDLC).

| Version | **Date** | **Description (Changes Made)** | **Author(s)** |
| --- | --- | --- | --- |
| 1.0 | 02/24/2010 | Initial Draft | Sterling |
| 2.0 | 02/25/2010 | Ready to deliver | Sterling |
| 3.0 | 03/10/10 | Incorporate changes from feedback sessions. | Sterling |
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| 6.0 | 04/30/10 | Incorporated feedback from Barb | Sterling |
| 7.0 | 05/31/10 | Added missing fields in the xml schema | Sterling |

Related or Reference Documents

| Document Name | Description | Owner | Location |
| --- | --- | --- | --- |
| SCI\_Xpedx Solution Definition Document v1.5 | Solution Definition document | Sterling Commerce |  |
| SCI\_xpedx\_Order Status\_v2.0 | Order Status Mapping document | Sterling Commerce / xpedx |  |
| SCI\_ODI Push Schema v0.2 | Order Update Field Mapping document | Sterling Commerce / xpedx |  |
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# Introduction

## Document Purpose

This document is the governing Interface design document for order update interface. It presents significant decisions and constructs used in developing the interfaces. Testing, builds, configuration management are not covered in this document.

The document also includes data mapping to be used by respective parties (Sterling, webMethods, Legacy) to design their systems in order to support the interface.

The document will also serve the purpose of keeping a list of assumptions that were made during design discussions.

## Document Audience

This document is intended for management and technical staff working on this project, xpedx IT and Business, webMethods, Legacy(MAX and ACCESS), HP, IW, xpedx/IP Network Team. Sterling will use the document during design and configuration for design consideration.

# Order Update

## Overview

Order Update interface will be used to send order updates from legacy to .dotcom. The updates could be for existing orders in .dotcom or they can be new orders created in Legacy. The order updates will bring all the split orders from Legacy as well and they will tie together via the Web Confirmation #. The order update is one way from Legacy to .dotcom. Legacy will send the whole order and .dotcom will override the order field values. For e.g, if the ordered qty is changed by Legacy and that is sent to .dotcom during order update, .dotcom will replace the order qty value originally stored in the order. No matter which system it is, in case the header process code sent in the order update is ‘S’ we will not update the whole order, only the status update for the order will take place.

If .dotcom needs to update an order it will be part of the change/delete order process and order placement interface will be used in that case.

**Web Confirmation Number** - The Web Confirmation # is an unique number and will be generated and assigned at the source where the order is created. This number will be carried over in the subsequent splits and updates between the .dotcom and Legacy systems. This will be used to roll up all the splits order to the main order.

Similarly the Web Line # is a unique number per order and will be generated and assigned at the source where the line is created. This will be used as unique identifier between the two systems to update order line level information.

The following formats will be used for the generation of the numbers in Sterling.

* Web Confirmation # - yymmdd | E | 12 34567 (Order Creation date | System Identifier | 7 digits)
* We b Line # - E + Upto the last 8 characters of the Sterling Line Numbers.

**Order Update Triggers** - Order Update gets triggered from Legacy based on the following order changes.

* Order Status updates (Refer to the ‘SCI\_xpedx\_Order Status\_v2.0’ for the list of Order statuses.)
* Line Added / Removed / Changed (certain fields – price, qty)
* Splits (both sourcing and backorder)
* New Order Created in Legacy
* Order change – Order qty, price and delivery date
* Order Deleted in Legacy

**Customer Maintenance Flag** –No matter what the customer flag value is Sterling will always place an order in Legacy. In case the flag is ‘N’ the order will be placed at Legacy with the web hold flag =Y. Legacy to send order updates for new orders for the customers where the update Flag is turned ON in the customer maintenance screen or the order update flag in order is set to ‘Y’.



## Master System

Though order updates can be triggered by .dotcom as part of the order change / delete process, Legacy is the master of record for the orders and the updates.

## Process Flow

## Sequence Diagram



## Flow Details

* Legacy will write the order updates to a buffer table.
* A trigger is sent to webMethods via MQ.
* webMethods read the records from the buffer table.
* And Invoke OrderUpdate web service at Sterling.
* Sterling updates the order.
* Upon successful response, send Pass to webMethods.
* In case of error, send Fail and the error message to webMethods.
* webMethods will log the error.

## Field Mapping

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Field Name | | Length | Data Type | Sterling to webMethods | webMethods to Sterling | webMethods  only field | Description |
|  | | Order Header fields | | | | | | |
| 1. | Source Indicator | |  | String |  |  | Y | The field is used by webMethods as a queue identifier to priority the messages. Valid values are  Web -1  B2B -2.  In the context of this interface, this field might not have a value. It is kept for consistency sake with Order place interface. |
| 2. | Transaction Status | |  | String | Transmission Result  P - Pass  F- Fail |  | Y | Status for the transaction. This is the transaction result between Sterling and webMethods. This will be passed by Sterling after the transaction has been invoked by webMethods on Sterling. |
| 3. | TransactionErrorMessage | |  | String | Error Stack populated by Sterling in case of application failure. |  | Y | This field will contain the error stack when an application error is encountered by Sterling upon Order Status update. And this error message will be passed to webMethods which they will log on their end. |
| 4. | Environment Id | |  | String |  | Return as Sent by Legacy |  | This field is used for capturing the environment we are talking to. For e.g PROD, STAGING, DEV. Populated from Customer batch |
| 5. | Company | |  | String |  | Return as Sent by Legacy | Y | The field is used by webMethods as a queue identifier. |
| 6. | Web Confirmation Number | |  | String |  | Return as Sent by Legacy |  | This is the order number which is a reference between Sterling and the Legacy systems. Generated at the time of placing a new order by the system that is creating the order.  On order update - carry the WC# from original order. |
| 7. | Ordering Division | |  | String |  | Return as Sent by Legacy |  | Division for which the order is placed.  On new order - Not present on orders created by Sterling, but will be returned in the Order Place Response by Legacy and subsequent updates. |
| 8. | Legacy Order Number | |  | String |  | Return as Sent by Legacy |  | Generated by Legacy.  On new order - from Sterling, will not be populated. Will be returned by Legacy on Order Place Response.  Will be passed back and forth by Sterling and Legacy systems on order updates and changes. |
| 9 | Generation Number | |  | String |  | Return as sent (incase of MAX). Concat and sent (incase of ACCESS) |  | Generated by Legacy. 1 field in MAX, 2 fields for ACCESS, Dist & Shipment. Assumptions is wM is going to concat these 2 one position fields into generation number. On new order – Not populated by Sterling. Will be returned by Legacy in Order Place Response.  On order updated – Will be passed from Sterling on subsequent updates. |
| 10 | Legacy Order Type | |  | String |  | Return as Sent |  | On new order - sterling will send only D and S. Legacy can send other order types as well. Sterling will take the new order types and it will be stored on the order, there is no functionality Sterling will drive based on different order types except for D and S (BR1) |
| 11 | Web Hold Flag | |  | String |  | Return as Sent |  | This field will indicate if Legacy needs to put the order on web hold. Sterling will populate the flag and once the flag is ‘Y’ Legacy will mark the order for web hold and the status of web hold will be sent by to Sterling. |
| 12 | Ship From Division | |  | String |  | Return as Sent |  | Division from where the order is shipped.  This could be overridden on an order by Legacy and could be different from what was sent during order place. Store and send on subsequent order updates and changes. |
| 13 | Customer Division | |  | String |  | Return as sent by Legacy |  | Default Branch the customer is assigned to (aka Servicing Branch in Solution Definition Document). |
| 14 | Customer Number | |  | String |  | Return as Sent by Legacy |  | Customer Number from the customer maintenance / profile. |
| 15 | Ship To Suffix | |  | String |  | Return as Sent by Legacy |  | Customer Ship to number from customer maintenance / profile. In case of override it is set to 999 for ACCESS and 9999999 for MAX |
| 16 | Ship to Name | |  | String |  | Return as Sent by Legacy |  | Ship to Location Name. Can be overridden. By Default populate from Customer Profile. |
| 17 | Attention Name | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. If overridden Legacy will sent the overridden value. |
| 18 | Ship to Address1 | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. If overridden Legacy will sent the overridden value. |
| 19 | Ship to Address2 | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. If overridden Legacy will sent the overridden value. |
| 20 | Ship to Address3 | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. If overridden Legacy will sent the overridden value. |
| 21 | Ship to City | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. If overridden Legacy will sent the overridden value. |
| 22 | Ship to State | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. If overridden Legacy will sent the overridden value. Will use 2 position state code |
| 23 | Ship to ZIP | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. If overridden Legacy will sent the overridden |
| 24 | Ship to Country Code | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. If overridden Legacy will sent the overridden |
| 25 | Bill To Suffix | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 81 | Bill to Name | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 26 | Bill to Address1 | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 27 | Bill to Address2 | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 28 | Bill to Address3 | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 29 | Bill to City | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 30 | Bill to State | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 31 | Bill to ZIP | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 32 | Bill to Country Code | |  | String |  | Return as Sent by Legacy |  | Populate from customer maintenance. |
| 33 | Customer Header PO Number | |  | String |  | Return as Sent by Legacy |  | Allow PO# Change in Order Update |
| 34 | Order Code | |  | String |  | Return as Sent by Legacy |  | Possible values H – Customer requested hold  Space – No selection by customer  O – Customer removed hold request. |
| 35 | Ship Complete | |  | String |  | Return as Sent by Legacy |  | Valid values are  C – Customer requested ship complete.  Space – No selection by customer (default) |
| 36 | Will Call (aka Shipment Code ) | |  | String |  | Return as Sent by Legacy |  | Valid values are  P – Will call Space – standard |
| 37 | Ship Date  (aka Requested Deliver Date) | |  | String |  | Return as Sent by Legacy |  | The format for the date is format:YYYYMMDD |
| 38 | Header Comments | |  | String |  | Return as Sent by Legacy |  | Comments for the order at the header level. |
| 39 | Ordered By Name | |  | String |  | Return as Sent by Legacy |  | Person for whom the order was created. |
| 40 | Order Create Date  (aka Entry Date) | |  | String |  | Return as Sent by Legacy |  | Date when the order was created. Format is  YYYYMMDD |
| 41 | Order Source | |  | String |  | Return as Sent by Legacy |  | Possible values: **B2B – EDI** (Electronic)  **B2B Internal** – CSR  **External** – Customers.  **Internal** - eCSR  ~~CurrentDotCom.~~*any additional* |
| 42 | Header Process Code | |  | String |  | Return as Sent by Legacy |  | Possible Values A = Add,  C=Change,  D = Delete,  S=Status only Change (WC#, Order#, Status) |
| 43 | Order Status | |  | String |  | Return as Sent by Legacy |  | |  | | --- | | Please refer to the  order status  mapping doc to see  the list of possible  values. *Legacy planning to send name not code. If please specify what is e.xpected.*  *Please look at the*  *Status mapping*  *Document mentioned*  *In the referenced section.*  *If you don’t have please*  *Let me know I will send/* | |
| 44 | Order Status Comment | |  | String |  | Return as Sent by Legacy |  | This is used for explaining a particular status. For e.g, if the order status is HOLD, the comments need to say what kind of hold it is. |
| 45 | Currency Code | |  | String |  | Return as Sent by Legacy |  | Currency code for the order values. |
| 46 | Total Shippable Value | |  | String |  | Return as Sent by Legacy |  | This contains the extended price based on shippable qty (not ordered). Need to discuss how this needs to be broken and shown in x.com for the order. |
| 47 | Total Order Value (aka Total Sales) | |  | String |  | Return as Sent by Legacy |  | Order total based on quantity ordered. Need to discuss how this needs to be broken and shown in x.com for the order. |
| 48 | Order Special Charges | |  | String |  | Return as Sent by Legacy |  | Total Special charges on the order, sometimes include the freight. Need to know how to read this on x.com  3/10 xpedx:  MAX – includes freight & any other special charges.  ACCESS – special charges & can include line level freight  \*\*Need to discuss in UI  Determine how we can separate out on Legacy. |
| 49 | Total Order Freight | |  | String |  | Return as Sent by Legacy |  | Header Level freight charges, line may also have some. Need to know how to handle it in x.com  3/10 xpedx:  ACCESS has it separate  See field #48 comments for MAX – need a way to separate out. |
| 50 | Total Order Tax | |  | String |  | Return as Sent by Legacy |  | Tax to be populated by Legacy for an order. As per Legacy this is based on the shippable order total. |
| 51 | Header Status Code | |  | String |  | Return as Sent by Legacy |  | Legacy to pass back the error code if header level error occurs. For success pass blank not space. |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Order Line Details | | | | | | | |
| 52 | Web Line Number |  | String |  | Return as Sent by Legacy |  | This is the order line number which is referenced between Sterling and the Legacy systems. Generated at the time of adding a new line to an order or placing a new order by the system that is adding the line.  On order update - carry the Web Line number from original order. |
| 53 | Legacy Line Number |  | String |  | Return as Sent by Legacy |  | Legacy created line numbers (aka line Sequence number) |
| ~~55~~ 54 | Line Process Code |  | String |  | Return as Sent by Legacy |  | Valid Values are:  A = Add, C= Change and D= Delete |
| ~~56~~ 55 | Line Type |  | String |  | Return as Sent by Legacy |  | Valid Values are: P - Legacy product #  S-Customer part #  M-Charges  C-Comments  N-Mill  T-Tax  V-Vendor  L-Labor  O-Promotion |
| ~~57~~ 56 | Legacy Product Code |  | String |  | Legacy might have separate fields for promo code, special charge code etc. webMethods to map it correctly before it is sent to Sterling. |  | This field will be used for special charge code, promo code etc., based on line type. From website, this field will be used for all the above scenarios. |
| ~~58~~ 57 | Customer Product Code |  | String |  | Return as Sent by Legacy |  | Customer Part #. |
| 59 | Base Unit of Measure |  | String |  | Return as Sent by Legacy |  | Base UOM for the legacy part # on the line.  Need to confirm If this is needed based on feedback session on 03/10/10 |
| 60 | Ordered Qty in Base UOM |  | String |  | Return as Sent by Legacy |  | Qty ordered translated in Base Units. This cannot be negative or decimal value. Pass whole number for e.g 1, not 1.00  Need to confirm If this is needed based on feedback session on 03/10/10 |
| 61 | Price Unit of Measure |  | String |  | Return as Sent by Legacy |  | Pricing UOM. |
| 62 | Unit Price |  | String |  | Return as Sent by Legacy |  | Unit price for the line. This is tied to the Price Unit of Measure in field #61. |
| 63 | Line Description |  | String |  | Return as Sent by Legacy |  | This can be the item description for the line or description as part of special charge line or comment line. |
| 64 | Price Override Flag |  | String |  | Return as Sent by Legacy |  | This field is used to say if the price was overridden for the line. |
| 65 | Requested Unit of Measure |  | String |  | Return as Sent by Legacy |  | Requested Unit of Measure |
| 66 | Ordered quantity in requested UOM |  | String |  | Return as Sent by Legacy |  | Requested order quantity. Should be whole number and cannot be negative.  Allow decimal |
| 67 | Shippable Qty in Requested UOM |  | String |  | Return as Sent by Legacy |  | This is the shipped qty out of the ordered qty. This is based on requested UOM Allow decimal |
| 82 | Shippable Qty in Base UOM |  | String |  | Return as Sent by Legacy |  | This is based on Base UOM. *Note we show this field after #60* |
| 68 | BackOrder Qty in Requested UOM |  | String |  | Return as Sent by Legacy |  | This is the back order qty out of the ordered qty. This is based on requested UOM. Allow decimal. |
| 83 | BackOrder Qty in Base UOM |  | String |  | Return as Sent by Legacy |  | This is based on Base UOM . *Note we show this before #61.* |
| 69 | Customer line sequence number |  | String |  | Return as Sent by Legacy |  | This is only for EDI Orders and batch. |
| 70 | Customer Line PO # |  | String |  | Return as Sent by Legacy |  | PO# on line |
| 84 | Customer Line Account Number |  | String |  |  |  |  |
| 71 | Customer line field 1 |  | String |  | Return as Sent by Legacy |  | ?  Need to confirm – Is this for BR1. If yes, need to understand the usage in .dotcom |
| 72 | Customer line field 2 |  | String |  | Return as Sent by Legacy |  | ?  Need to confirm – Is this for BR1. If yes, need to understand the usage in .dotcom |
| 73 | Customer line field 3 |  | String |  | Return as Sent by Legacy |  | Job # on line  Is this field going to be dedicated to LLC? Or, do we keep it as user defined. May need to check with Customer Solutions to see if any customers use this for another purpose?  Confirm with GT if this still applies to ACCESS-see org. req doc. Job# on line is no longer accurate as there is a new field for Customer Account code (GL). We need to understand it more, especially all the screens have Job #. |
| 74 | Ship from Branch |  | String |  | Return as Sent by Legacy |  | Branch from where to ship. |
| 75 | Line Notes |  | String |  | Line notes to be concatenated by webMethods as one field before it is passed to x.com |  | Line level notes, could be several in Legacy, but one per line in Sterling. |
| Deleted |  |  |  |  |  |  |  |
| Deleted |  |  |  |  |  |  |  |
| Deleted |  |  |  |  |  |  |  |
| 85 | Adjustment dollar amount |  |  |  |  |  | Discount amount applied to the line. |
| 86 | Coupon Code |  |  |  |  |  | Coupon code applied to the line. |
| 79 | ~~Line Total~~  Shippable Qty Line Total |  | String |  | Return as Sent by Legacy |  | Total shippable Line total. |
| 87 | ~~Extended Line Total~~  Ordered Qty Line Total (Extended) |  |  |  |  |  | Total line value based on ordered quantity. |
| 80 | Line Status Code |  | String |  | Return as Sent by Legacy |  | Legacy to pass back the error code if line level error occurs. For success pass blank not space. |

## Schema

## Input Xml (from webMethods to Sterling)

<?xml version="1.0" encoding="utf-8"?>

<Order>

<SourceIndicator/>

<EnvironmentId/>

<Company/>

<WebConfirmationNumber/>

<OrderingDivision/>

<LegacyOrderNumber/>

<GenerationNumber/>

<LegacyOrderType/>

<Update Flag/>

<ShipFromDivision/>

<CustomerDivision/>

<CustomerNumber/>

<ShipToSuffix/>

<ShipToName/>

<AttentionName/>

<ShipToAddress1/>

<ShipToAddress2/>

<ShipToAddress3/>

<ShipToCity/>

<ShipToState/>

<ShipToZIP/>

<ShipToCountryCode/>

<BillToSuffix/>

<BillToAddress1/>

<BillToAddress2/>

<BillToAddress3/>

<BillToCity/>

<BillToState/>

<BillToZIP/>

<BillToCountryCode/>

<CustomerPO/>

<OrderCode/>

<ShipComplete/>

<WillCall/>

<ShipDate/>

<HeaderComments/>

<OrderedByName/>

<OrderCreateDate/>

<OrderSource/>

<HeaderProcessCode/>

<OrderStatus/>

<OrderStatusComment/>

<CurrencyCode/>

<TotalShippableValue/>

<TotalOrderValue/>

<OrderSpecialCharges/>

<OrderFreight/>

<OrderTax/>

<HeaderStatusCode/>

<LineItems>

<LineItem>

<WebLineNumber/>

<LegacyLineNumber/>

<LineDistributionNumber/>

<LineProcessCode/>

<LineType/>

<LegacyProductCode/>

<CustomerProductCode/>

<SpecialChargeCode/>

<BaseUnitOfMeasure/>

<OrderedQtyInBase/>

<ShippedQtyInBase/>

<BackOrderQtyInBase/>

<PriceUnitOfMeasure/>

<UnitPrice/>

<LineDescription/>

<PriceOverrideFlag/>

<RequestedUnitOfMeasure/>

<RequestedOrderQuantity/>

<ShippedQty/>

<BackOrderQty/>

<CustomerLineNumber/>

<CustomerLinePONumber/>

<CustomerAccountNumber/>

<CustomerUserField1/>

<CustomerUserField2/>

<CustomerUserField3/>

<ShipFromBranch/>

<CouponCode/>

<AdjustmentAmount/>

<LineNotes/>

<LineSpecialCharges/>

<LineFreight/>

<LineTax/>

<LineTotal/>

<OrderedQtyLineTotal/>

<LineStatusCode/>

</LineItem>

</LineItems>

</Order>

## Output Xml (From Sterling to webMethods)

<Order>

<TransactionStatus/>

<TransactionMessage/> - In case of Error this will be populated with error message.

</Order>

## Screen Shot

IW to provide.

## Open Questions

1. Will tracking information be part of the Order update interface? ([**XCNG-183**](http://xpedxit.onjira.com/browse/XCNG-183)**)**
2. Order Shippable total, Misc Charges and Order total value – how are they broken down and shown on the web site. ([**XCNG-184**](http://xpedxit.onjira.com/browse/XCNG-184)**)**
3. Generation Number – Will this be sent as two separate fields to Sterling or webMethods to concatenate. ([**XCNG-185**](http://xpedxit.onjira.com/browse/XCNG-185)**) JIRA Updated, Answer: 1 field, 2 characters to Sterling**
4. Workflow for orders to put on hold because the update flag was ‘N’ at the time of order place in .dotcom. ([**XCNG-186**](http://xpedxit.onjira.com/browse/XCNG-186)**) JIRA Updated, Answer: Steve: “**Process should be to place the order in the Legacy and put on a web hold for customer service review. Web hold could be 'New customer' to make it easier for customer service to know that it's a new customer for xcom.**”**
5. Codes for order source needs to be finalized. ([**XCNG-187**](http://xpedxit.onjira.com/browse/XCNG-187)**)**
6. Need to understand in depth as how the total shippable value and total order value is calculated and what massaging we need to do to present it on the website for an order. ([**XCNG-184**](http://xpedxit.onjira.com/browse/XCNG-184)**)**
7. Need to understand how to read the freight, special charges and tax on order / line and present it to the customer. ([**XCNG-184**](http://xpedxit.onjira.com/browse/XCNG-184)**)**
8. Can Customer PO be changed in Legacy on the order placed by Sterling, do we need to update it on Sterling. ([**XCNG-189**](http://xpedxit.onjira.com/browse/XCNG-189)**) JIRA Updated, Answer: Yes, it can be updated. Yes, it (and all customer fields) is part of Order Refresh.**

## Assumptions

1. Line notes cannot be entered or edited as part of the ordering /change process in Sterling. They are view only on the orders.
2. Line Comments are restricted to 60 characters on web site, and these can only be entered and not edited by end users However CSR can add and edit line comments.
3. webMethods to parse the line notes (multiple lines in legacy to one line filed in Sterling) to populate the line notes field at line level before it is sent to Sterling.
4. Though it is an async transaction between Legacy and webMethods, it will be a synchronous call between webMethods and Sterling. In case Sterling errors in updating order record, an application error will be thrown back in the response and webMethods will catch and log it in their system.
5. Legacy systems has various Order types values, Sterling will take the values as they come in the order updates and store it on the order, but no functionality will be driven in Sterling based on different order types except for D and S (BR1).
6. There is no logic on x.com based on the order code value. Sterling do not hold orders if it requested to be on delivery hold. Similarly, if the values are changed in Legacy, it might change the status of the order, but at that point we get a status update from Legacy.
7. If an order has been sent to Sterling with header process code value ‘S’, the order should be treated as just Order Status change and Sterling will update the order status in this case without refreshing the order.
8. As discussed with Sri, Legacy will always pass ‘D’, ‘A’ and ‘C’ at both Header and Line process code field.
9. Requested Qty, Shipped Qty & Backordered Qty can be decimal values up to 3 decimal places.

# Connectivity Diagram

## Order Update Connectivity Diagram



## Connectivity Process

* Legacy changes an order, writes it to the DB2 buffer table.
* A trigger is sent through MQ to webMethods.
* webMethods picks the order and calls order update web service in Sterling.
* Sterling successfully applies the changes and sends and OK transaction status back. Does webMethods go and delete the record from the buffer table in this case??
* Sterling fails with Application error, sends error back to webMethods. webMethods logs the error on their end.
* webMethods to Sterling communication fails. What happens??
* Sterling to provide a WSDL to webMethods.
* Input / output parameters defined in the WSDL to conform to the Input / Output xml provided by Sterling in the Schema section.
* Separate web services URLs will be given to webMethods to point to each Environment.

# Glossary of Terms

|  |  |  |
| --- | --- | --- |
| S. No. | Term | Definition |
| 1. | WSDL | Web Services Definition Language |
| 2. | UE (User Exit) | Hooks to write custom code in Sterling |
| 3. | MQ | Message Queue |
| 4. | BR1 | Business Release 1 |
| 5. | IW | Industrial Wisdom – UI firm engaged on the project. |
|  |  |  |
|  |  |  |