



# **X3V6 Web Services**

## **XA41**

Rev. 1.1

### **Confidentiality Notice**

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## 1. WEBSERVICE CONNECTION INFORMATION - SAGE ERP X3

Generally, the connections occur across link [http://x3webserver\\_ip:28880/](http://x3webserver_ip:28880/) inside the firewall and [http://external\\_nat\\_to\\_X3webserver\\_IP:28880/](http://external_nat_to_X3webserver_IP:28880/) outside the firewall or also https may be setup.

Once the site is setup for production, this will have to be switch SSL or VPN for secure transmission.

**Connection Info: Pool Id: X3 Tomcat Pool Alias, User Id=X3 login, Password = X3 Password, Folder = Folder(s) connected to web services**

The pool and connection information allow access to the X3 web services. This is where the "real" authentication occurs on accessing X3. The web user access is based on the access rights of the user specified here.

To explain further, User ID in this case, is an X3 connection request. When a web user makes a web service request they do not logon to X3. They use the X3 User ID to gain access then retrieve their orders or customer information using this User ID. For example, [john.doe@sage.com](mailto:john.doe@sage.com) may be a valid web user that points to an X3 customer called "12345". When it returns [john.doe@sage.com](mailto:john.doe@sage.com) information, X3 is returning the customer information associated to "12345" for this access by using an X3 user ID.

### 1.1. X3V5 WEB USER INFORMATION - SAGE ERP X3

The following terms are used throughout this document:

- ❑ **B2B** = Pre-approved account. An account that has a non-zero credit limit so that orders can be placed against the account without using a credit card.
- ❑ **B2C** = *Not* pre-approved meaning the account can be used to create orders but only with a credit card authorization.

The following web users are used in the examples:

#### B2B Users

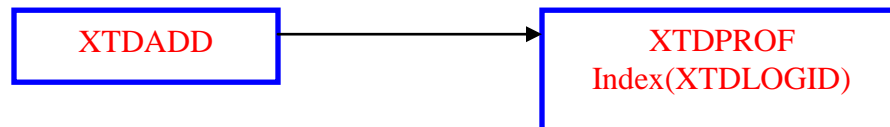
- ❑ User = [x3v6b2b@sage.com](mailto:x3v6b2b@sage.com) points to a B2B customer

#### B2C Users

- ❑ User= [x3v6b2c@sage.com](mailto:x3v6b2c@sage.com) points to b2c customer

## 2. WEB USER – DIAGRAM

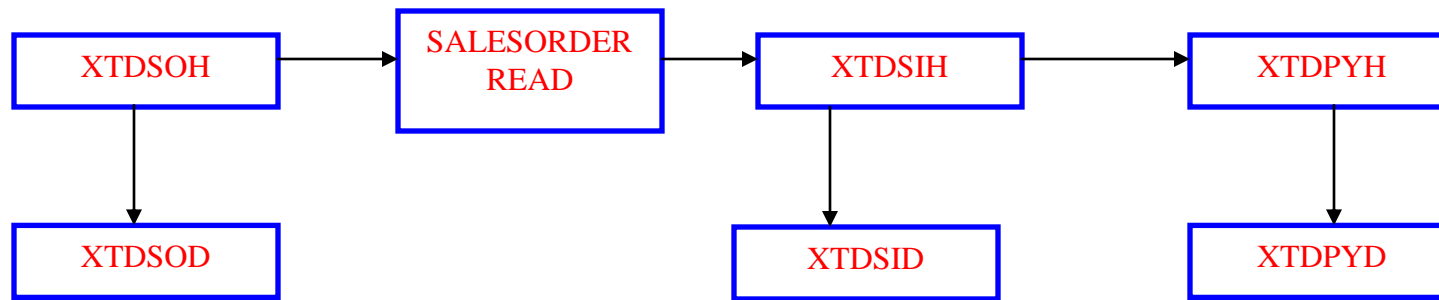
- XTDPROF – Web Site User Profile. Access by passing XTDLOGID plus the action you are requesting
- XTDADD – Permanent addresses on file for the web user



- XTDPROF returns the X3 customer number used to create sales orders. The X3 customer must be passed through web service SALESORDER element BPCORD in order to create an order.

**3. SALES ORDER INQUIRY – INVOICE INQUIRY – PAYMENT INQUIRY – DIAGRAM**

- ❑ XTDSOH – Sales Order List Inquiry – one detail line returned per order
- ❑ XTDSIH – Sales Invoices List Inquiry – one detail line returned per Invoice
- ❑ XTDPYH – Sales Payments Inquiry – one detail line returned per Payment – Applies only to B2B
- ❑ SALESORDER – Read option will return the last invoice number that can be used to lookup the last invoice for that particular order



- ❑ XTDSOH -> links to the details and the sales order read by sales order number. From the SALESORDER read the last invoice can be used to link the Sales Invoice inquiry and that then sales invoice number can be passed through XTDPYH as a search criteria for finding payments.



#### 4. OTHER ROUTINES IN CURRENT PHASE

- ❑ XTDBPCINV – this routine checks the validity of item numbers to be sold on the web and returns current pricing information according to the user and availability plus other data. Up to 300 items can be sent through on a single request. We use this routine at the users request as well as prior to processing a new order to make sure everything is valid on the item. (When the user adds to the shopping cart and when they proceed to checkout.)
- ❑ XTDCATSUB – Routine to process Catalog subscription or unsubscribe requests
- ❑ SALESORDER – The sales order is an X3 object. It provides 4 basic services – Create, Read, Update, Delete. HOWEVER, we generally only allow Create and Read. The reason is that updating an order deleting order depends heavily on the state of the order in X3, whether stock has been allocated, if the order is in shipping, etc.
- ❑ XTDSOP – Returns a sales order summary list based on item selection. Note the item selection can be blank, in which case it will return the previous 200 items purchased.

## 5. WEBSERVICE WRAPPER

As each webservice request is made to X3, the data portion of the request is wrapped with a status structure. This structure contains several fields that indicate the success or failure of the request as well as messages that were generated during the X3 processing of the request.

To determine the success or failure of a request, the value WW\_OK is checked. Check for a value of 1 means success.

### 5.1. X3 SUBPROGRAMS – ALL WEB SERVICES OTHER THAN SALESORDER ARE SUBPROGRAMS.

WW_OK	Integer	Return status: 1 (OK), 0 (Error)
WW_ZONE	Character	Not used with subprograms
WW_STAT	Integer	Number of messages
WW_GRAVE	Integer(1..50)	Message level ( 1 (Info), 2 (Warning), 3 (Error) )
WW_MESS	Character(1..50)	Message text
WW_ACTION	Character	Not used with subprograms
WW_IDENT	Character	Not used with subprograms
WW_NB	Integer	Not used with subprograms
WW_HORDAT	Character	Web service timestamp
WW_TRACE	Clbfile	Trace parameters for activity logging

**5.2. X3 OBJECTS – FOR WEBSITE INTEGRATION, THE SALESORDER IS THE OBJECT PUBLISHED.**

WW_OK	Integer	Return status: 1 (OK), 0 (Error)
WW_ZONE	Character	Field that caused the error if an error occurred
WW_STAT	Integer	Number of messages
WW_GRAVE	Integer(1..50)	Message level ( 1 (Info), 2 (Warning), 3 (Error) )
WW_MESS	Character(1..50)	Message text
WW_ACTION	Character	Action Method code (Action to execute)
WW_IDENT	Character	Identifier (Key1~Key2~Key3... or start value or left list quick select criteria)
WW_NB	Integer	Number of records to read (Left list) or number of records returned
WW_HORDAT	Character	Web service timestamp
WW_TRACE	Clbfile	Trace parameters for activity logging

## 6. WEBSERVICE STATUS INFORMATION - SAGE ERP X3

Only the services that are checked "web service test" are published. For example, XTDLOGIN is a web service that is published that accesses XTDLOGB2B procedure and XTDLOGB2C procedure. These B2B and B2C procedures are included for use test cases. For example, XTDLOGIN returns a credit limit and credit available for B2B customers but does not return this data for a B2C credit card customer as it would not make sense. The term "NA" means not "Not Applicable" for testing.

Program	Web Service	Availability		Comments
		B2B	B2C	
<i>Ship To Addresses</i>	<i>Ship To Addresses</i>			
<a href="#">XTDADD</a>	XTDADD	X	X	
<i>Inventory &amp; Price</i>	<i>Inventory &amp; Price</i>			
<a href="#">XTDBPCINV</a>	XTDBPCINV	X	X	
<i>Sales Order Inquiry</i>	<i>Sales Order Inquiry</i>			
<a href="#">XTDSOH</a>	XTDSOH	X	X	
<i>Sales Order Detail Inquiry</i>	<i>Sales Order Detail Inquiry</i>			
<a href="#">XTDSOD</a>	XTDSOD	X	X	
<i>Sales Invoice Inquiry</i>	<i>Sales Invoice Inquiry</i>			
<a href="#">XTDSIH</a>	XTDSIH	X	X	
<i>Sales Invoice Detail Inquiry</i>	<i>Sales Invoice Detail Inquiry</i>			
<a href="#">XTDSID</a>	XTDSID	X	X	
<i>Items Previously Purchased</i>	<i>Items Previously Purchased</i>			
<a href="#">XTDSOP</a>	XTDSOP	X	X	

Program	Web Service	Availability		Comments
		B2B	B2C	
<i>Payment Inquiry</i>	<i>Payment Inquiry</i>			
<a href="#">XTDPYH</a>	XTDPYH	X	NA	
<i>Payment Detail Inquiry</i>	<i>Payment Detail Inquiry</i>			
<a href="#">XTDPYD</a>	XTDPYD	X	NA	
<i>B2C Profiles</i>				
<a href="#">XTDPROF</a>	XTDPROF	X	X	
<i>Sales Order</i>	<i>Sales Order</i>			
<a href="#">CMP</a> (Entry Type)	SALESORDER			
<i>Catalog Subscribe</i>				
<a href="#">XTDCATSUB</a>	XTDCATSUB	X	X	
<i>Catalog Un-Subscribe</i>				
<a href="#">XTDCATSUB</a>	XTDCATUNS	X	X	
<i>Generic Web Service</i>				
XTDGENWS	XTDGENWS	X	X	
XTDGWSTST		X	X	Sample test program
XTDGWSTST1		X	X	Sample test program

## 7. XTDADD – PERMANENT SHIP TO ADDRESSES

These are recently used (up to 20) permanent ship to addresses that can be re-used. If a customer selects one of the permanent addresses, return the address code on the order.

### 7.1. SHIP TO ADDRESSES

<PARAM>

<FLD NAME="BPCODE" >x3v6b2b@sage.com</FLD>

</PARAM>

## 7.2. XTDADD – PERMANENT SHIP TO ADDRESSES - DETAIL

Field	Description	I/O	Type	Comment
GRP="A"	Dimension=1			
BPCODE	Web User Id	I(Required)	Char(50)	Web user, e.g. <a href="mailto:x3v6b2b@sage.com">x3v6b2b@sage.com</a> , case insensitive
GRP="B"	Dimension=20			
SHIPADRKEY	Ship to address code	O	Char(3)	Up to 20 permanent ship to addresses will be returned in city order. The first address in the list is the customer's default address (normally shipped to address).
SHIPNAME	Ship to name			
SHIPADR1	Address line 1	O	Char(40)	
SHIPADR2	Address line 2	O	Char(40)	
SHIPADR3	Address line 3	O	Char(40)	
SHIPCITY	Ship to city	O	Char(40)	
SHIPSTATE	Ship to state	O	Char(35)	
SHIPZIP	Ship to Postal code	O	Char(10)	
SHIPCTRY	Ship to country code	O	Char(3)	
SHIPSITE	Ship from site (warehouse)	O	Char(3)	

## 8. XTDBPCINV - PRICE AND INVENTORY CHECK

### 8.1. INVENTORY INQUIRY

```
<PARAM>
  <FLD NAME="ABPCODE" >x3v6b2b@sage.com</FLD>
  <FLD NAME="ASALFCY" >D22</FLD>
  <FLD NAME="ASTOFCY" >D22</FLD>
  <TAB ID="B" >
    <LIN NUM="1" >
      <FLD NAME="AITMREF" >12397</FLD>
      <FLD NAME="AQTYREQ" >5</FLD>
    </LIN>
  </TAB>
</PARAM>
```



## 8.2. XTDBPCINV - PRICE AND INVENTORY CHECK - DETAIL

Field	Description	I/O	Type	Comment
ABPCODE	Web user identification	I (required)	Char(50)	Web User Id. If you do not have a customer, pass <a href="mailto:x3v6b2b@sage.com">x3v6b2b@sage.com</a> . This is what we agreed to.
ASALFCY	Sales Facility	I(Optional)	Char(3)	If blank, default will be determined from X3. Sales facility may be used in part to determine pricing in a multi-location organization
ASTOFCY	Warehouse used to check inventory availability	I(Optional)	Char(3)	If blank, default will be determined from X3
ACUR	Currency	I(Optional)	Char(3)	Currency used in pricing. Note, that X3 must be setup to return prices in multiple currencies for this to work correctly. For example, currency rate table must be maintained or items individually priced in different currencies.
AREQDAT	Requested Ship Date	I(Optional)	Date	YYYYMMDD – Not used currently
AORDTOTPRI	Deprecated	O	Decimal	
AORDTOTITMS	Deprecated	O	Decimal	
AWEBSTID	Web site Id	I(Required)	Char(10)	
ACATCODE	Source or Catalog Code	I(Optional)	Char(30)	If the web user supplies a catalog or source code for discounts and pricing, then this is validated. If valid, pricing will be according to the source or catalog code.
ACOUPCODE	Future Use	I(Optional)	Char(10)	

ABFATALERR	Future Use	O	Integer	
ABWARNING	Future Use	O	Integer	
ABINVCPCMSG	Future Use	O	Char(100)	
ABINVCCMSG	Future Use	O	Char(100)	
Group=B	Maximum number of lines submitted and returned is 300			
AITMREF	X3 Item number (product number)	I(required)	Char(20)	
AITMDES1	Item Description	O	Char(250)	
AQTYREQ	Quantity Requested	I(optional)	Decimal	
AFOUND	Identifies whether the item is found or if there is a special condition on the item 0=not found -1= found -2=Item ships motor freight	O	Integer	
AQTYAVAIL	Quantity available for sale	O	Decimal	
AISAVAIL	Compare Quantity available to quantity requested. 1 = Qty Available >= Qty Requested 0 = Qty Available < Qty Requested	O	Integer	If the item is sold direct, this value is set to 1 regardless quantity requested.
AFLAG	This corresponds to a gif for displaying next to the item availability. (Thumbs up or down, for example) If AISAVAIL=0, this is itemok.gif, if AISAVAIL=1, this is itemko.gif	O	Char(10)	We may deprecate this in the future. Redundant with AISAVAIL
AAVAILTXT	This corresponds to a gif for displaying next to the item availability. (Thumbs up or down, for example) If AISAVAIL=0, this is "Yes", if AISAVAIL=1, this is "No"	O	Char(10)	We may deprecate this in the future. Redundant with AISAVAIL and language specific

AGROPRI	Gross Price	O	Decimal	Undiscounted Price
ANETPRI	Discount Net Price – Sale price on this inquiry for the quantity specified with catalog, source code, specials, etc.	O	Decimal	
AAMOUNT	Extended discounted price	O	Decimal	Quantity requested*Net Price. We may deprecate in the future.
ABKODAT	This is the estimated available date if there is insufficient stock or the item ships direct	O	Date	
ADISC	Discount percent	O	Decimal	$(\text{Gross Price} - \text{Net Price}) / (\text{Gross Price})$ WE MAY DEPRECATE IN THE FUTURE – JUST A SIMPLE CALC.
ASUB	Messages related to either ABFATALMSG or ABWARNMSG related to the item	O	Char(100)	If AFOUND is –1 or -2, then this field contains additional information about the issue. AFOUND=-1 invalid item in the list of items to check, item exists but there is no price for the item in X3, item exists and has price but is not defined to be sold from a warehouse, etc AFOUND=-2 Item ships motor freight (this is the only warning we have on the item)
AWEBDLR	Deprecated	O	Integer	
ADTLWHS	Name of Warehouse	O	Char(30)	
AFRTTYP	This is equal "FRT" if motor freight type item	O	Char(3)	

## 9. XTDSOH - SALES ORDER INQUIRY

Return sales order header information matching selection criteria.

### 9.1. SALES ORDER HEADER INQUIRY

```
<PARAM>
  <FLD NAME="XTDLOGID" >x3v6b2b@sage.com</FLD>
  <FLD NAME="MAXRETURN" >5</FLD>
  <TAB ID="G3" >
    <LIN NUM="1" >
      <FLD NAME="TXTVAL" ></FLD>
    </LIN>
    <LIN NUM="2" >
      <FLD NAME="TXTVAL" ></FLD>
    </LIN>
    <LIN NUM="3" >
      <FLD NAME="TXTVAL" >20090101</FLD>
    </LIN>
    <LIN NUM="4" >
      <FLD NAME="TXTVAL" >20121231</FLD>
    </LIN>
    <LIN NUM="5" >
      <FLD NAME="TXTVAL" >1</FLD>
    </LIN>
    <LIN NUM="5" >
      <FLD NAME="TXTVAL" ></FLD>
    </LIN>
    <LIN NUM="6" >
      <FLD NAME="TXTVAL" ></FLD>
    </LIN>
    <LIN NUM="7" >
```

```
        <FLD NAME="TXTVAL" ></FLD>
    </LIN>
</TAB>
</PARAM>
```

TXTVAL(1) = SO Number – wildcards permitted – Defaults to all  
TXTVAL(2) = PO Reference – wildcards permitted – defaults to all  
TXTVAL(3) = Selection start date – YYYYMMDD – if blank = "1980101"  
TXTVAL(4) = Selection End date – YYYYMMDD – if blank = today plus 10 years  
TXTVAL(5) = Order Status 1=Open only, 0=Both Closed and Open (all)  
TXTVAL(6) = Reserved, pass blank  
TXTVAL(7) = Reserved, pass blank

Wildcards are identified as "\*" or "?". But generally, noone specifies.

## 9.2. XTDSOH DETAIL

Field	Description	I/O	Type	Comment
XTDLOGID	Web user identification	I (required)	Char(50)	Web User Id.
MAXRETURN	Maximum number of lines to be returned. If 0 specified, defaults to 200.	I (required)	Integer	
Group Id="G3"				
TXTVAL	Array of criteria to be used in the selection of orders – not required	I (not required)		On these TXTVAL, it is not necessary to pass all values. If only SO number selection is required, only the first has to be passed TXTVAL(1)
TXTVAL(1)	SO Number – wildcards permitted – Defaults to all.	I	Char	If a value is passed, an "*" is added to the leading and ending values. For example, if the user passes 123, all orders matching *123* are returned.
TXTVAL(2)	PO Reference – wildcards permitted – defaults to all	I	Char	If a value is passed, an "*" is added to the leading and ending values. For example, if the user passes 123, all orders matching *123* are returned.
TXTVAL(3)	Selection start date – YYYYMMDD – if blank = "1980101"	I	Date	If passed must be a valid date
TXTVAL(4)	Selection End date – YYYYMMDD – if blank = today plus 10 years	I	Date	If passed must be a valid date
TXTVAL(5)	Order Status 1=Open only, 0=Both Closed and Open (all)-Default is all.	I	Enum	
TXTVAL(6)	Reserved, pass blank	I		
TXTVAL(7)	Reserved, pass blank	I		

Group Id="G4"	maximum returned values are 200			
RSOHNUM	Sales Order Number	O	Char(15)	
RPONUM	Web User Reference Entered with Order	O	Char(15)	
RORDDAT	Order Date	O	Char(10)	
RORDNOT	Order Item Amount without tax	O	Decimal	
RORDTAX	Order Tax	O	Decimal	
RORDFRT	Order Freight	O	Decimal	
RORDCHG	Other Order charges or Discounts	O	Decimal	
RORDTOT	Total Order Amount = RORDNOT+RORDTAX+RORDFRT+ RORDCHG=RORDTOT	O	Decimal	
RBPCNAM	Customer Name	O	Char(35)	
RORDSTA	Order Status – Open, closed, partially shipped, Shipped	O	Char	OPEN = No shipment has been processed. CLOSED=No shipment was processed on the order and someone manually closed the order (Cancelled, for example). PARTIALLY SHIPPED = At least shipment occurred against the order but the order has not been completely shipped. SHIPPED – The order has shipped and no further shipments will occur against the order.
RSDHNUM	Last shipment number.	O	Char(15)	If the order has been shipped, this is the last shipment number of that order.
RSHPDAT	Last shipment date. If the order has not	O	Char(10)	If the order has been shipped, this is

	been shipped this field is blank.			the last shipment date of the order.
RSHPMODE	If the order has not been shipped it is the ship mode. If the order has been shipped it is how it was shipped according to the shipment information. Last shipment Mode.	O		Shipment mode is a combination of the carrier service level and the carrier. E.G., GRN-UPS means Service = ground and Carrier=UPS. There is always a dash between the service and the carrier to parse on.
RTRKSTG	Reserved	R		
XTDSRCUST	Reserved	R		
XTDSRPRJ	Reserved	R		
XTDSRSPLIT	Reserved	R		
XTDCDTSTA	Reserved	R		
WEBSITE	Website Name - If the order has been entered through a website, then this is the name of the website	O	Char(30)	Orders may be entered through multiple sites or through customer service. In the case service, this field will be blank (Meaning they manually entered the order.)



**10. XTDSOD - SALES ORDER DETAIL INQUIRY**

Return detail lines on a specific sales order

**10.1. SALES ORDER DETAIL INQUIRY**

<PARAM>

<FLD NAME="ISOHNUM" >SO0002310</FLD>

<FLD NAME="IBPCORD" >x3v6b2b@sage.com</FLD>

</PARAM>

## 10.2. XTDSOD DETAIL

Field	Description	I/O	Type	Comment
ISOHNUM	Sales Order number	I (required)	Char(15)	
IPONUM	Customer Reference (PO Numbe <b>rr</b> )	I (optional)	Char(20)	
IBPCORD	X3 Customer Number	I(optional)	Char(10)	
RORDDAT	Order Date	O		
RDEMDLV DAT	Requested Delivery Date	O		
RSHPMODE	Ship Mode	O		Ship Mode Code Only
RCARRIER	Carrier Id	O	Char(10)	
RBPCNAM	Customer Name	O	Char(35)	
RBPAADD	Ship to address Code	O	Char(3)	X3 internal address code
RORDNOT	Total Item amount with no tax	O	Decimal	
RORDTAX	Tax on Order	O	Decimal	
RORDFRT	Freight amount on order	O	Decimal	
RORDCHG	Other charges and discount on order	O	Decimal	
RORDTOT	Order Total	O	Decimal	
RORDSTA		O	Decimal	
Group B – up to 200 lines	Dimension=200	O		
RITMREF	Item/Product Number	O	Char(20)	
RITMDES	Description	O	Char(30)	Short Description to identify item on order
RORDQTY	Quantity Ordered	O	Decimal	This is mostly an whole number but may be a decimal for some customers
RSHIPQTY	Quantity Shipped	O	Decimal	Zero if order not shipped
RSAU	Sales UOM	O	Char(3)	Sales UOM

RNETPRI	Net (Discounted) Price	O	Decimal	Note, discount percent can be calculated as (RGROPRI-RNETPRI)/RGROPRI
RGROPRI	Gross (List) Price	O	Decimal	List Price from order
RREQSHPDAT	Requested Date	O	Date	Requested Ship date
RBKORDDAT	Last ship date	O	Decimal	Blank if not shipped
RAMTNOTLIN	Extended line amount with no tax	O	Decimal	(qty*Price)
RTRKSTGLIN	Not Used	O	Char	Not used
Group C – up to 15 lines	Dimension=15			
RADRINFO	Ship to address	O	Char(35)	Address is no longer compressed and no html
RADRINFO(1)	Address line 1	O		
RADRINFO(2)	Address line 2	O		
RADRINFO(3)	Address line 3	O		
RADRINFO(4)	City	O		
RADRINFO(5)	State/Province	O		
RADRINFO(6)	Postal Code	O		
RADRINFO(7)	Country Code	O		
RADRINFO(8)	Email	O		
RADRINFO(9)	Phone	O		
RADRINFO(10)	Fax	O		
RADRBILL	Bill To address	O	Char(35)	
RADRBILL (1)	Address line 1	O		
RADRBILL (2)	Address line 2	O		
RADRBILL (3)	Address line 3	O		
RADRBILL (4)	City	O		
RADRBILL (5)	State/Province	O		
RADRBILL (6)	Postal Code	O		
RADRBILL (7)	Country Code	O		

RADRBILL(8)	Email	O		
RADRBILL(9)	Phone	O		
RADRBILL(10)	Fax	O		
RTRKHDR(1..15)	Up to 15 associated tracking numbers for this order	O		
<b>Group D – up to 50 lines</b>	<b>Dimension =50</b>			
RINVNUM(1..50)	Associated Invoice numbers to this sales order	O	Char(15)	
RPAYNUM(1..50)	Payment numbers associated to invoice numbers in RINVNUM	O	Char(15)	

**11. XTDSIH - SALES INVOICE INQUIRY**

Return sales invoices based on criteria passed to X3 routine.

**11.1. SALES INVOICE HEADER INQUIRY**

<PARAM>

<FLD NAME="XTDLOGID" >x3v6b2b@sage.com</FLD>

<FLD NAME="MAXRETURN" >5</FLD>

<TAB ID="B" >

<LIN NUM="1" >

<FLD NAME="TXTVAL" ></FLD>

</LIN>

<LIN NUM="2" >

<FLD NAME="TXTVAL" ></FLD>

</LIN>

<LIN NUM="3" >

<FLD NAME="TXTVAL" >20080101</FLD>

</LIN>

<LIN NUM="4" >

<FLD NAME="TXTVAL" >20101231</FLD>

</LIN>

<LIN NUM="5" >

<FLD NAME="TXTVAL" >1</FLD>

</LIN>

<LIN NUM="5" >

<FLD NAME="TXTVAL" ></FLD>

</LIN>

<LIN NUM="6" >

<FLD NAME="TXTVAL" ></FLD>

</LIN>

<LIN NUM="7" >

<FLD NAME="TXTVAL" ></FLD>

```
</LIN>  
</TAB>  
</PARAM>
```

## 11.2. XTDSIH - DETAIL

Field	Description	I/O	Type	Comment
GRP="A"	Dimension=1			
XTDLOGID	Web user identification	I (required)	Char(50)	Web user id
MAXRETURN	Maximum number of lines to be returned. If 0 specified, defaults to 200.	I (required)	Integer	
GRP="B"	Dimension=20			
TXTVAL	Array of criteria to be used in the selection of invoices – not required	I (not required)		On these TXTVAL, it is not necessary to pass all values. If only SO number selection is required, only the first has to be passed TXTVAL(1)
TXTVAL(1)	Invlice Number – wildcards permitted – Defaults to all.	I	Char	If a value is passed, an "*" is added to the leading and ending values. For example, if the user passes 123, all invoices matching *123* are returned.
TXTVAL(2)	PO Reference – wildcards permitted – defaults to all	I	Char	If a value is passed, an "*" is added to the leading and ending values. For example, if the user passes 123, all invoices matching *123* are returned.
TXTVAL(3)	Selection start date – YYYYMMDD – if blank = "1980101"	I	Date	If passed must be a valid date
TXTVAL(4)	Selection End date – YYYYMMDD – if blank = today plus 10 years	I	Date	If passed must be a valid date
TXTVAL(5)	Invoice Status.	I	Enum	1=Open only (not paid) 0=Both Closed and Open (all)

				Default is all
TXTVAL(6-20)	Reserved, pass blank	I		
GRP Id="G4"	maximum returned values are 200			
RINVNUM	Invoice Number	O	Char(15)	
RINVREF	PO Reference	O	Char(20)	
RINVDDAT	Invoice Date	O	Char(10)	
RINVNOT	Invoice Item Amount without tax	O	Decimal	
RINVTAX	Invoice Tax	O	Decimal	
RINVFRT	Invoice Freight	O	Decimal	
RINVCHG	Other Invoice charges or Discounts	O	Decimal	
RINVTOT	Total Invoice Amount = RINVNOT+RINVTAX+RINVFRT+ RINVCHG=RINVTOT	O	Decimal	
RBPRNAM	Customer Name	O	Char(35)	
RINVSTA	Invoice Status – Open, closed, partially shipped, Shipped	O	Char(10)	Partial = Partially paid Paid = Paid in Full Open = Not Paid
RCHKNUM	Last Check Number	O	Char(15)	If the invoice has been previously paid, otherwise blank
ROPNAMT	Unpaid Amount	O	Decimal	What is left to be paid on the invoice
RLSTPD	Last Paid Date	O		Date last payment was applied to this invoice
XTDCUST	Web user id that is associated to the invoice.	O	Char(50)	Since multiple web user ids may be associated to the same X3 customer, this returns all the web user id that is associated to the invoice. If blank it means the order is placed by phone or mail through customer service. For example; <a href="mailto:rich@sage.com">rich@sage.com</a> and <a href="mailto:x3v6b2b@sage.com">x3v6b2b@sage.com</a> may both point



				to X3 customer "123". This inquiry return all invoices for customer "123"
XTDSRPRJ	Reserved	R		
XTDSRSPLIT	Reserved	R		
RFINCHG	Reserved	R		
RDUEDATE	Reserved	R		

**12. XTDSID - SALES INVOICE DETAIL INQUIRY**

Sales Invoice Detail Inquiry given an Invoice Number.

**12.1. SALES INVOICE DETAIL INQUIRY**

<PARAM>

<FLD NAME="IINVNUM" >CI1000348</FLD>

<FLD NAME="IBPCORD" >x3v6b2b@sage.com</FLD>

</PARAM>

## 12.2. XTDSID DETAIL

Field	Description	I/O	Type	Comment
IINVNUM	Invoice number	I (required)	Char(15)	
IINVREF	Customer Reference (PO Numbeerr)	I (optional)	Char(20)	
IBPCORD	Web User Id	I(required)	Char(50)	
RINVDAT	Order Date	O		
RBPRNAM	Customer Name	O	Char(35)	
RINVNOT	Invoice Item Amount without tax	O	Decimal	
RINVTAX	Invoice Tax	O	Decimal	
RINVFRT	Invoice Freight	O	Decimal	
RINVCHG	Other Invoice charges or Discounts	O	Decimal	
RINVTOT	Total Invoice Amount = RINVNOT+RINVTAX+RINVFRT + RINVCHG=RINVTOT	O	Decimal	
RINVSTA	Invoice Status – Open, closed, partially shipped, Shipped	O	Char(10)	Partial = Partially paid Paid = Paid in Full Open = Not Paid
ROPNAMT	Unpaid Amount	O	Decimal	What is left to be paid on the invoice
RCHKNUM	Last Check Number used to pay invoice	O		
XTDCUST	Web user associated to invoice	O	Char(10)	See XTDSIH for explanation
GRP="B	Dimension=200			
RITMREF	Item/Product Number	O	Char(20)	
RITMDES	Description	O	Char(30)	Short Description to identify item on order
RQTY	Quantity Invoiced	O	Decimal	This is mostly an whole number but may be a decimal for some customers

RUOM	Sales unit of measure	O	Char(3)	
RSDHNUM	Last shipment Number	O	Char(15)	
RAMTNOTLIN	Extended line amount with no tax	O	Decimal	(qty*Price)

### 13. XTDPYH - PAYMENT SUMMARY INQUIRY

This routine applies only to pre-approved accounts, Payment Header Inquiry.

#### 13.1. PAYMENT HEADER INQUIRY

<PARAM>

<FLD NAME="XTDLOGID" >[x3v6b2b@sage.com](mailto:x3v6b2b@sage.com)</FLD>

</PARAM>

## 13.2. XTDPHYH - PAYMENT HEADER INQUIRY - DETAIL

Field	Description	I/O	Type	Comment
GRP="G1"	Dimension=1			
XTDLOGID	Web user Id	I (required)	Char(50)	
IINVNUM	Invoice Number	I (optional)	Char(10)	
ICHECKNUM	Check Number	I(optional)	Char(50)	
RDATMIN	Start date on search	I(optional)	Date	YYYYMMDD
RDATMAX	End date on search	I(optional)	Date	YYYYMMDD
MAXRETURN	Maximum number of payment rows to return	I(optional)	Integer	0 defaults to maximum of 200 rows.
GRP="G2"	Dimension=200			
RPAYNUM	X3 Payment Number	O	Char(15)	Internal X3 number that can be used to link to the payment detail. It can be displayed for customer reference in case they want to call and question the payment
RCHKNUM	Customer's check number	O	Char(15)	
RPAYDAT	Date payment was applied	O	Date	
RPAYAMT	Amount of the payment	O	Decimal	

**14. XTDPYD - PAYMENT DETAIL INQUIRY**

Returns information on which documents the payment was applied to given a payment number

**14.1. PAYMENT DETAIL INQUIRY**

<PARAM>

<FLD NAME="XTDLOGID" >x3v6b2b@sage.com</FLD>

<FLD NAME="IPAYNUM" >C0111RECCH00007</FLD>

</PARAM>

## 14.2. XTDPYD – PAYMENT DETAIL INQUIRY – DETAIL

Field	Description	I/O	Type	Comment
GRP="G1"	Dimension=1			
XTDLOGID	Web user Id	I (required)	Char(50)	
IPAYNUM	X3 Internal Payment number	I(required)	Char(15)	See XTDPYH for this value – It is returned RPAYNUM
RTOTPAY	Total Amount of the payment	O	Decimal	
RCHKNUM	Check Number of Payment	O	Char(15)	
RPAYDAT	Payment applied date	O	Date	YYYYMMDD
RTOTCNT	Number of detail lines (invoices) on payment	O	Integer	
GRP="G2"	Dimension=200			
RINVNUM	Invoice Number	O	Char(15)	
RPAYAMT	Amount applied to the invoice	O	Decimal	
RINVAMT	Invoice amount	O	Decimal	
RCOMMENT	Comment related to payment	O	Char(50)	"On Account" means the payment was on applied to an invoice but made to the account. "Payment" means the amount was applied to the invoice "Invoice Not Available" should not occur. For some reason a payment was made to an invoice but the invoice is not available in X3. "Not all Invoices Have Been Shown" means that more than 200 invoices were paid with that payment. This can occur on large



				accounts. The customer should call if they have questions on this as there is no way to show all the items.
--	--	--	--	---

## 15. XTDPROF – CUSTOMER PROFILE

The profile service will perform one of the actions as defined by the action code below:

<b>LACTION (Action Code)</b>	<b>Task Accomplished</b>
1	Read either B2B or B2C customer
2	Update existing b2c customer. If not found, add a new b2c customer
3	Update only. If customer not found, error returned.
4	Insert only, if customer exists then the values are returned
5	<b><i>Future Use</i></b>
6	<i>Read or Insert – Means if customer exists data is returned, if customer does not exist, the customer will be added</i>
7	<i>Read either B2B or B2C customer (READ) using Login Id plus X3 Customer+ Bill To Postal Code</i>
8	<i>Return field X3 Customer ID only (Performance option)</i>

**15.1. EXISTING CUSTOMER PROFILE READ - XTDPROF**

```
<PARAM>  
  <FLD NAME="LACTION" >1</FLD>  
  <FLD NAME="XTDLOGID" >x3v6b2b@sage.com</FLD>  
</PARAM>
```

### 15.2. EXISTING CUSTOMER READ RESULTS

The primary difference on B2B and B2C is the possibility of on account and credit card. B2C customers can only use credit cards to purchase, where as a B2B customer may have an account be invoiced for a purchase or purchase by credit card. BPTYPE is used to determine whether it is b2b or b2c.

Field	Description	I/O	Type	Comment
GRP="G1"	Dimension=1			
LACTION	1	I (Required)	Enum	1=Read 2=Update or Insert 3=Update only 4=Insert only
GRP="G2"	Dimension=1			
XTDLOGID	Web User Id	I (Required)	Char(50)	
BPNUM	X3 Customer Number	O	Char(10)	
BPWEBPWD	Password	I	Char(10)	Not used on read
IND1	What industry are they in	O	Integer	Not Used
IND2	What industry are they in	O	Integer	Not Used
IND3	What industry are they in	O	Integer	Not Used
OTHER	What industry are they in	O	Integer	Not Used
OTHERDES	Description of other industry	O	Char(30)	Not Used
INTERNET	Found site by internet browsing	O	Enum	Not Used
PUBADS	Found site by published ads	O	Enum	Not Used
TRADESHOW	Found site from tradeshow	O	Enum	Not Used
WORD	Found site by word of mouht	O	Enum	Not Used
NEWS	Found site by news	O	Enum	Not Used
GRP="G6"	Dimension=20			
BILLTO(1)	Bill to Address code	O	Char(3)	
BILLTO(2)	Bill to company Name	O	Char(40)	
BILLTO(3)	Bill-To Address Line 1	O	Char(40)	

BILLTO(4)	Bill-To Address Line 2	O	Char(40)	
BILLTO(5)	Bill-To Address Line 3	O	Char(40)	
BILLTO(6)	Bill-To City	O	Char(40)	
BILLTO(7)	Bill-To State or Provence	O	Char(35)	
BILLTO(8)	Bill-To Postal Code	O	Char(10)	
BILLTO(9)	Bill-To country code	O	Char(3)	
BILLTO(10)	Bill-To Telephone Number	O	Char(20)	Unformatted
BILLTO(11)	Bill-To Fax number	O	Char(20)	Unformatted
BILLTO(12)	Bill-To First Name	O	Char(20)	
BILLTO(13)	Bill-To Last Name	O	Char(20)	
BILLTO(14)	Bill-To Email	O	Char(50)	
SHIPTO(1)	Bill to Address code	O	Char(3)	
SHIPTO(2)	Ship to company Name	O	Char(40)	
SHIPTO(3)	Ship-To Address Line 1	O	Char(40)	
SHIPTO(4)	Ship-To Address Line 2	O	Char(40)	
SHIPTO(5)	Ship-To Address Line 3	O	Char(40)	
SHIPTO(6)	Ship-To City	O	Char(40)	
SHIPTO(7)	Ship-To State or Provence	O	Char(35)	
SHIPTO(8)	Ship-To Postal Code	O	Char(10)	
SHIPTO(9)	Ship-To country code	O	Char(3)	
SHIPTO(10)	Ship-To Telephone Number	O	Char(20)	Unformatted
SHIPTO(11)	Ship-To Fax number	O	Char(20)	Unformatted
SHIPTO(12)	Ship-To First Name	O	Char(20)	
SHIPTO(13)	Ship-To Last Name	O	Char(35)	
SHIPTO(14)	Ship-To Email	O	Char(50)	
<b>BPDDRPSHP</b>	<b>Not Used</b>	<b>O</b>	<b>Char(3)</b>	<b>Not Used</b>
BPCUR	Currency	O	Char(3)	
BPSALFCY	Sales Facility	O	Char(3)	Related to pricing
BPSTOFCY	Shipping Facility (warehouse)	O	Char(3)	Warehouse that will ship ordered items

BPCRDLMT	Credit Limit – B2B only	O	Decimal	B2C customer have zero credit limits and should not be shown as they order by credit card
BPCRDAVL	Credit Available – B2B only	O	Decimal	
BPCRDUSD	Credit Used – B2B only	O	Decimal	
BPTYPE	1=B2B, 2=B2C, -1=Invalid	O	Integer	
ERRUSRUSED	Not Used	O	Char(100)	

### 15.3. XTDPROF – INSERT AND UPDATE – B2C

On an update, be sure to send all information otherwise information will be removed on missing data. For example, even though they only changed address line 1, all information must be sent.

Update and insert apply only to B2C.

Field	Description	I/O	Type	Comment
GRP="G1"	Dimension=1			
LACTION	2	I (Required)	Enum	1=Read 2=Update or Insert 3=Update only 4=Insert only
GRP="G2"	Dimension=1			
XTDLOGID	Web User Id	I (Required)	Char(50)	
BPNUM	X3 Customer Number	O	Char(10)	
BPWEBPWD	Password	I(Required on insert)	Char(10)	
IND1	What industry are they in	O	Integer	Not Used
IND2	What industry are they in	O	Integer	Not Used
IND3	What industry are they in	O	Integer	Not Used
OTHER	What industry are they in	O	Integer	Not Used
OTHERDES	Description of other industry	O	Char(30)	Not Used
INTERNET	Found site by internet browsing	O	Enum	Not Used
PUBADS	Found site by published ads	O	Enum	Not Used
TRADESHOW	Found site from tradeshow	O	Enum	Not Used
WORD	Found site by word of mouht	O	Enum	Not Used
NEWS	Found site by news	O	Enum	Not Used
GRP="G6"	Dimension=20			
BILLTO(1)	Bill to Address code	O	Char(3)	Defaults to "BIL"

BILLTO(2)	Bill to company Name	O	Char(40)	
BILLTO(3)	Bill-To Address Line 1	O	Char(40)	
BILLTO(4)	Bill-To Address Line 2	O	Char(40)	
BILLTO(5)	Bill-To Address Line 3	O	Char(40)	
BILLTO(6)	Bill-To City	O	Char(40)	
BILLTO(7)	Bill-To State or Provence	O	Char(35)	
BILLTO(8)	Bill-To Postal Code	O	Char(10)	
BILLTO(9)	Bill-To country code	O	Char(3)	Even though it says name it is the code
BILLTO(10)	Bill-To Telephone Number	O	Char(20)	Unformatted
BILLTO(11)	Bill-To Fax number	O	Char(20)	Unformatted
BILLTO(12)	Bill-To First Name	O	Char(20)	
BILLTO(13)	Bill-To Last Name	O	Char(20)	
BILLTO(14)	Bill-To Email	O	Char(50)	
SHIPTO(1)	Ship to Address code	O	Char(3)	Defaults to"SHP"
SHIPTO(2)	Ship to company Name	O	Char(40)	
SHIPTO(3)	Ship-To Address Line 1	O	Char(40)	
SHIPTO(4)	Ship-To Address Line 2	O	Char(40)	
SHIPTO(5)	Ship-To Address Line 3	O	Char(40)	
SHIPTO(6)	Ship-To City	O	Char(40)	
SHIPTO(7)	Ship-To State or Provence	O	Char(35)	
SHIPTO(8)	Ship-To Postal Code	O	Char(10)	
SHIPTO(9)	Ship-To country code	O	Char(3)	
SHIPTO(10)	Ship-To Telephone Number	O	Char(20)	Unformatted
SHIPTO(11)	Ship-To Fax number	O	Char(20)	Unformatted
SHIPTO(12)	Ship-To First Name	O	Char(20)	
SHIPTO(13)	Ship-To Last Name	O	Char(35)	
SHIPTO(14)	Ship-To Email	O	Char(50)	
BPDDRPSHP	Not Used	O	Char(3)	Not Used
BPCUR	Currency	O	Char(3)	



BPSALFCY	Sales Facility	O	Char(3)	Related to pricing
BPSTOFCY	Shipping Facility (warehouse)	O	Char(3)	Warehouse that will ship ordered items
BPCRDLMT	Credit Limit – B2B only	O	Decimal	B2C customer have zero credit limits and should not be shown as they order by credit card
BPCRDAVL	Credit Available – B2B only	O	Decimal	
BPCRDUSD	Credit Used – B2B only	O	Decimal	
BPTYPE	1=B2B, 2=B2C, -1=Invalid	O	Integer	
ERRUSRUSED	For Update or Insert – not used Read	O	Char(100)	

**15.4. XTDPROF XML EXAMPLE – INSERT OR UPDATE – B2C**

By passing LACTION=2, the XTDPROF program will either update an existing B2b entry identified by XTDLOGID or create a new one if it does not exist.

```

<PARAM>
  <GRP ID="G1" >
    <FLD NAME="LACTION" >2</FLD>
  </GRP>
  <GRP ID="G2" >
    <FLD NAME="XTDLOGID" >test123@sage.com</FLD>
  </GRP>
  <TAB DIM="20" ID="G6" SIZE="14" >
    <LIN NUM="1" >
      <FLD NAME="BILLTO" >BIL</FLD>
      <FLD NAME="SHIPTO" >SHP</FLD>
    </LIN>
    <LIN NUM="2" >
      <FLD NAME="BILLTO" >BILL To Company Name</FLD>
      <FLD NAME="SHIPTO" >ship add 1upd</FLD>
    </LIN>
    <LIN NUM="3" >
      <FLD NAME="BILLTO" >BILL add 1upd</FLD>
      <FLD NAME="SHIPTO" >ship add 1upd</FLD>
    </LIN>
    <LIN NUM="4" >
      <FLD NAME="BILLTO" >BILL add 2upd</FLD>
      <FLD NAME="SHIPTO" >ship add 2upd</FLD>
    </LIN>
    <LIN NUM="5" >
      <FLD NAME="BILLTO" >BILL add 3upd</FLD>
      <FLD NAME="SHIPTO" >ship add 3upd</FLD>
  </TAB>

```

```
</LIN>
<LIN NUM="6" >
  <FLD NAME="BILLTO" >BILL city UPD</FLD>
  <FLD NAME="SHIPTO" >ship city UPD</FLD>
</LIN>
<LIN NUM="7" >
  <FLD NAME="BILLTO" >BILL stateupd</FLD>
  <FLD NAME="SHIPTO" >ship stateupd</FLD>
</LIN>
<LIN NUM="8" >
  <FLD NAME="BILLTO" >2222</FLD>
  <FLD NAME="SHIPTO" >2222</FLD>
</LIN>
<LIN NUM="9" >
  <FLD NAME="BILLTO" >US</FLD>
  <FLD NAME="SHIPTO" >US</FLD>
</LIN>
<LIN NUM="10" >
  <FLD NAME="BILLTO" >1231321321</FLD>
  <FLD NAME="SHIPTO" >1231321321</FLD>
</LIN>
<LIN NUM="11" >
  <FLD NAME="BILLTO" >1231331233</FLD>
  <FLD NAME="SHIPTO" >1231331233</FLD>
</LIN>
<LIN NUM="12" >
  <FLD NAME="BILLTO" >BILLFN</FLD>
  <FLD NAME="SHIPTO" >ShipFN</FLD>
</LIN>
<LIN NUM="13" >
  <FLD NAME="BILLTO" >BILLLN</FLD>
```

```
        <FLD NAME="SHIPTO" >ShipLN</FLD>
    </LIN>
    <LIN NUM="14" >
        <FLD NAME="BILLTO" >BILL@EML.COM</FLD>
        <FLD NAME="SHIPTO" >ship@EML.COM</FLD>
    </LIN>
</TAB>
</PARAM>
```

**15.5. XTDPROF – READ USING XTDLOGID PLUS BPWEBPWD = X3 CUSTOMER NUMBER - BILL TO ZIP CODE**

```
<PARAM>  
  <FLD NAME="LACTION" >7</FLD>  
  <FLD NAME="XTDLOGID" >x3v6b2b@sage.com</FLD>  
  <FLD NAME="BPWEBPWD" >57414</FLD>  
</PARAM>
```

The BPWEBPWD in LACTION=7 is the X3 customer number plus a dash plus the bill to zip code. Max length is 20. If alpha characters are sent, the input is not case sensitive (e.g., Canada).

In the above example

- The Customer Number is 4714761
- The bill to zip is 46038

## 16. SALESORDER - SALES ORDER OBJECT CREATION

### 16.1. PRICING LINE ITEMS ON SALES ORDERS

In X3, the gross price can be overridden on the web service to another gross price. If you want to pass the gross price of the item through the web service then specify it in the gross price field. In this case, the line is considered to be manually priced and no additional discounts are taken.

### 16.2. EXAMPLE 1: ON ACCOUNT ORDER – NOTE – WHEN XA41 IS INSTALLED STAND ALONE, CREDIT CARD OPTIONS ARE NOT AVAILABLE. EXAMPLE 1 IS THE ONLY TEST THAT WILL WORK.

```
<PARAM>
  <GRP ID="SOH0_1" >
    <FLD NAME="BPCORD" >C2101</FLD>
    <FLD NAME="CUSORDREF" >websrv test</FLD>
  </GRP>
  <GRP ID="SOH2_3" >
    <FLD NAME="MDL" >GRN</FLD>
  </GRP>
<TAB ID="SOH4_1" >
  <LIN NUM="1" >
    <FLD NAME="ITMREF" >12397</FLD>
    <FLD NAME="QTY" >2</FLD>
    <FLD NAME="GROPRI" >3.56</FLD>
  </LIN>
</TAB>
  <GRP ID="XTDS_4" >
    <FLD NAME="XTDID" >x3v6b2b@sage.com</FLD>
    <FLD NAME="WEBSITEID" >S11</FLD>
  </GRP>
```

```

<GRP ID="ADB2_1" >
  <LST NAME="BPRNAM" SIZE="1" >
    <ITM>Rouge Steel</ITM>
  </LST>
  <FLD NAME="BPAADD" >1</FLD>
  <FLD NAME="CRY" >US</FLD>
  <FLD NAME="CRYNAM" >United States of America</FLD>
  <LST NAME="BPAADDLIG" SIZE="1" >
    <ITM>430 Penn Center Blvd</ITM>
  </LST>
  <FLD NAME="SAT" >PA</FLD>
  <FLD NAME="POSCOD" >152355611</FLD>
  <FLD NAME="CTY" >Pittsburgh</FLD>
  <FLD NAME="CNTNAM" >000000000000022</FLD>
  <FLD NAME="ZCNTNAM" ></FLD>
</GRP>
</PARAM>

```

Example 2: Credit Card Order – Note XA\_TENDTYP=2

```

<PARAM>
  <GRP ID="SOH0_1" >
    <FLD NAME="BPCORD" >C2101</FLD>
    <FLD NAME="CUSORDREF" >websrv test cc</FLD>
  </GRP>
  <GRP ID="SOH2_3" >
    <FLD NAME="MDL" >GRN</FLD>
  </GRP>
  <GRP ID="SOH3_2" >
    <FLD NAME="XA_TENDTYP" >1</FLD>
  </GRP>

```

```
<TAB ID="SOH4_1" >
  <LIN NUM="1" >
    <FLD NAME="ITMREF" >12397</FLD>
    <FLD NAME="QTY" >2</FLD>
    <FLD NAME="GROPRI" >12.40</FLD>
  </LIN>
</TAB>
<GRP ID="XTDS_3" >
  <FLD NAME="CCTYPE" >VIS</FLD>
  <FLD NAME="XCCL4D" >1111</FLD>
  <FLD NAME="XCCAUTDAT" >20101102</FLD>
  <FLD NAME="XCCAUTID" >A27437BC</FLD>
  <FLD NAME="XCCAUTAMT" >24.80</FLD>
  <FLD NAME="XCUUID" >lkdhfajf-23424-23424-12313</FLD>
  <FLD NAME="XCVANREF" >XCj1234</FLD>
  <FLD NAME="CPROCESSOR" >4</FLD>
  <FLD NAME="FIRSTNAME" >Test</FLD>
  <FLD NAME="INITIAL" >R</FLD>
  <FLD NAME="LASTNAME" >Retest</FLD>
  <FLD NAME="ADDLIN" >123 test st</FLD>
  <FLD NAME="CTY" >anycity</FLD>
  <FLD NAME="SAT" >PA</FLD>
  <FLD NAME="POSCOD" >21311</FLD>
  <FLD NAME="CRY" >US</FLD>
  <FLD NAME="XCVLTGUID" >zvlhs-qrem-123</FLD>
  <FLD NAME="XCCVALTO" >20120412</FLD>
  <FLD NAME="XCCRDTYP" >VISA</FLD>
</GRP>
</PARAM>
```



### 16.3. EXAMPLE 4: PASSING BILL-TO AND SHIP TO ADDRESS THROUGH ORDER

See elements in **red** below.

```

<PARAM>
  <GRP ID="SOH0_1" >
    <FLD NAME="BPCORD" >C2101</FLD>
    <FLD NAME="CUSORDREF" >websrv test</FLD>
  </GRP>
  <GRP ID="SOH2_3" >
    <FLD NAME="MDL" >GRN</FLD>
  </GRP>
  <GRP ID="SOH3_2" >
    <FLD NAME="XA_TENDTYP" >2</FLD>
  </GRP>
  <TAB ID="SOH4_1" >
    <LIN NUM="1" >
      <FLD NAME="ITMREF" >12397</FLD>
      <FLD NAME="QTY" >2</FLD>
      <FLD NAME="GROPRI" >5.25</FLD>
    </LIN>
  </TAB>
  <GRP ID="XTDS_1" >
    <LST NAME="BPINAM" SIZE="2" >
      <ITM>BILL-To Company Name</ITM>
    </LST>
    <LST NAME="BPIADDLIG" SIZE="3" >
      <ITM>BILL-To address 1</ITM>
      <ITM>BILL-To address 1</ITM>
      <ITM>BILL-To address 3</ITM>
    </LST>

```

```

<FLD NAME="BPICTY" >BILL-To city</FLD>
<FLD NAME="BPISAT" >BILL-To state</FLD>
<FLD NAME="BPIPOSCOD" >12345</FLD>
<FLD NAME="BPICRY" >US</FLD>
</GRP>
<GRP ID="XTDS_2" >
  <LST NAME="BPDNAM" SIZE="1" >
    <ITM>ship-To Name</ITM>
  </LST>
  <LST NAME="BPDADDLIG" SIZE="3" >
    <ITM>ship-to add 1</ITM>
    <ITM>ship-to add 2</ITM>
    <ITM>ship-to add 3</ITM>
  </LST>
  <FLD NAME="BPDCTY" >ship-to city</FLD>
  <FLD NAME="BPDSAT" >ship-to state</FLD>
  <FLD NAME="BPDPOSCOD" >67890</FLD>
  <FLD NAME="BPDCRY" >US</FLD>
  <FLD NAME="CNDNAM" ></FLD>
</GRP>
<GRP ID="XTDS_3" >
  <FLD NAME="CCTYPE" >VIS</FLD>
  <FLD NAME="XCCL4D" >1111</FLD>
  <FLD NAME="XCCAUTDAT" >20101102</FLD>
  <FLD NAME="XCCAUTID" >A27437BC</FLD>
  <FLD NAME="XCCAUTAMT" >24.80</FLD>
  <FLD NAME="XCUUID" >lkdhfajf-23424-23424-12313</FLD>
  <FLD NAME="XCVANREF" >XCj1234</FLD>
  <FLD NAME="CPROCESSOR" >4</FLD>
  <FLD NAME="FIRSTNAME" >Test</FLD>
  <FLD NAME="INITIAL" >R</FLD>

```

BPD\* fields are the delivery (shipto) fields BPDNAM, BPDADDLIG (1,2 3),etc. For B2C customers and drop ship B2B orders, send the shipto address through BPD\* fields

```
<FLD NAME="LASTNAME" >Retest</FLD>
<FLD NAME="ADDLIN" >123 test st</FLD>
<FLD NAME="CTY" >anycity</FLD>
<FLD NAME="SAT" >PA</FLD>
<FLD NAME="POSCOD" >21311</FLD>
<FLD NAME="CRY" >US</FLD>
<FLD NAME="XCVLTGUID" >zvlhs-qrem-123</FLD>
<FLD NAME="XCCVALTO" >20120412</FLD>
<FLD NAME="XCCRDTYP" >VISA</FLD>
</GRP>
<GRP ID="XTDS_4" >
  <FLD NAME="XTDID" >x3v6b2b@sage.com</FLD>
  <FLD NAME="WEBSITEID" >TST</FLD>
</GRP>
</PARAM>
```

#### 16.4. EXAMPLE 5: OVERRIDING GROSS PRICE ON LINE

See elements in **red** below.

```

<PARAM>
  <GRP ID="SOH0_1" >
    <FLD NAME="BPCORD" >C2101</FLD>
    <FLD NAME="CUSORDREF" >websrv test</FLD>
  </GRP>
  <GRP ID="SOH2_3" >
    <FLD NAME="MDL" >GRN</FLD>
  </GRP>
  <GRP ID="SOH3_2" >
    <FLD NAME="XA_TENDTYP" >2</FLD>
  </GRP>
  <TAB ID="SOH4_1" >
    <LIN NUM="1" >
      <FLD NAME="ITMREF" >12397</FLD>
      <FLD NAME="QTY" >2</FLD>
      <FLD NAME="GROPRI" >5.25</FLD>
    </LIN>
  </TAB>
  <GRP ID="XTDS_3" >
    <FLD NAME="CCTYPE">VIS</FLD>
    <FLD NAME="XCCL4D" >1111</FLD>
    <FLD NAME="XCCAUTDAT" >20101102</FLD>
    <FLD NAME="XCCAUTID" >A27437BC</FLD>
    <FLD NAME="XCCAUTAMT" >24.80</FLD>
    <FLD NAME="XCUUID" >lkdhfajf-23424-23424-12313</FLD>

```

```
<FLD NAME="XCVANREF" >XCj1234</FLD>
<FLD NAME="CPROCESSOR" >4</FLD>
<FLD NAME="FIRSTNAME" >Test</FLD>
<FLD NAME="INITIAL" >R</FLD>
<FLD NAME="LASTNAME" >Retest</FLD>
<FLD NAME="ADDLIN" >123 test st</FLD>
<FLD NAME="CTY" >anycity</FLD>
<FLD NAME="SAT" >PA</FLD>
<FLD NAME="POSCOD" >21311</FLD>
<FLD NAME="CRY" >US</FLD>
<FLD NAME="XCVLTGUID" >zvlhs-qrem-123</FLD>
<FLD NAME="XCCVALTO" >20120412</FLD>
<FLD NAME="XCCRDTYP" >VISA</FLD>
</GRP>
</PARAM>
```

## 16.5. SALESORDER – DETAIL CREATE

Field	Description	I/O	Type	Comment
GRP = "SOH0_1"	Dimension=1			
SOHNUM	Sales Order Number	O	Char(15)	Return Order Number assigned by X3
REVNUM	Revision Number	O	Integer	Number of times the order has changed – Generally we do not show this value.
SOHTYP	Sales Order Type = "WEB"	I(required)	Char(3)	This is "WEB" for web orders
SALFCY	Sales Site	I	Char(3)	Defaults from X3 customer setup
CUSORDREF	PO number or any reference	I	Char(20)	
ORDDAT	Order Date	O	Char	Order date – DD/MM/YYYY format
BPCORD	X3 Customer Number	I(required)	Char(10)	
BPCNAM	Customer Name	O	Char(35)	Customer Name
CUR	Currency	I	Char(3)	Default from Customer
LAN	Language	O	Char(3)	Default from Customer
Rate Type	Rates	O	Integer	System Exchange rate type – daily, weekly, etc. Returns system type
TSCCOD	Customer Statistical Group	O	Char(4)	Up to 5 values may be returned. It is related to X3 setup of the customer.
OCNFLG	Print Acknowledge	O	Integer	Determine by X3 customer Type as to whether they receive an order acknowledgement
SOHTEX1	Customer Order Header Text	O	Char(12)	Not available on the web
SOHTEX2	Customer Order Footer Text	O	Char(12)	Not available on the web
ANCSOHTEX1	Customer Order Header Text	O	Char(12)	Not available on the web
ANSSOHTEX2	Customer Footer Header Text	O	Char(12)	Not available on the web
SOHCAT	Order Category	O	Integer	1 means "Normal" Order

OSTAUZ	Authorized Credit	O	Decimal	Not shown on the web but returned
OST	Credit Used	O	Decimal	Not shown on the web but returned
ORDMINAMT	Minimum Order Amount	O	Decimal	Internal
ALLINNBR	Number of Lines to Allocate	O	Integer	Internal
ORIFCY	Original Facility	O	Char(3)	Internal
POHFCY	Purchasing Facility	O	Char(3)	Internal
BPSNUM	Supplier	O	Char(10)	Internal
SRENUM	Service Request	O	Char(15)	Internal
DOCNAM	Document	O	Char(15)	Internal
COPNBR	Number of Acknowledgement Copies	O	Integer	Internal
GRP="SOH1_1"	Dimension=1			
BPCINV	Bill To Customer Number	O	Char(10)	This occurs for 'on account' type customer where the billing number may be different than the customer number ordering
BPINAM	Bill To Customer Name	O	Char(35)	
BPCPYR	Paying Customer Number	O	Char(10)	Also 'on account' customers may have a different paying the invoice. This would be the accounts payable customer number
BPCGRU	Customer Group Number	O	Char(10)	For very large customers, there may be several different customer numbers ordering. This groups these customers together for reporting purposes.
BPAADD	Ship To Address Code	I	Char(3)	An address code that identifies where to ship the goods. If the web user enters a new address, the address information is passed through in later fields with the code

				here being "WDS" = Web Drop Ship
BPDNAM	Ship To Name	O	Char(35)	Ship to Customer Name
GRP="SOH1_2"	Dimension=1			
PJT	Project	I	Char(20)	Not required
CNTNAM	Contact Name		Char(35)	
PJTFLT	Project Filter	O	Char(3)	
XOPGDES	Source Description	O	Char(30)	Source description
XSRCTYP	Source Type	O	Enum	1=residential, 2=professional
PREOPP	Previous Project	O	Char(20)	
XCASH	Cash Amount	O	Decimal	
XPRNFLG	Special Handling	O	Enum	1=Normal, 2=Gift, 3=Blind
XCHECK	Check Amount	O	Decimal	
XAMTDUE	Amount Due	O	Decimal	
CMGNUM	Offer	O	Char(15)	
XCHKNUM	Check Number	O	Char(15)	
XONACCOUNT	Amount on account	O	Decimal	
XPAYENT	Cash/Check entered	O	Enum	1=No, 2=Yes
XTTR	Name	O	Char(65)	
YADDMKT	Add Marketing	O	Integer	
OPGTYP	Operation Type	O	Char(3)	
GRP="SOH1_3"	Dimension=1			
REP	Sales Rep	I	Char(10)	Multi-dimension of 2 on the field. Defaults to customer setup reps. or XTDWS login
GRP="SOH1_4"	DIMENSION=1			
LNDRTNDAT	LOAN RETURN DATE	O	Date	Internal
CCLREN	CANCELLATION REASON	O	Char(4)	If the order has been cancelled, this will be the reason code.
CCLDAT	CANCELLATION DATE	O	Date	
VACBPR	TAX RULE	I	Char(4)	Defaults to customer tax rule.



				Normally do not allow tax rule changes from the web
CUR	CURRENCY	O	Char(3)	Currency Code
PRITYP	PRICE TYPE	O	Enum	1=Excluding Tax, 2=Including Tax (Internal)
GRP="SOH1_5"	DIMENSION=1			
ORDSTA	ORDER STATUS	O	Enum	1=Open, 2=Closed
ALLSTA	ALLOCATION STATUS	O	Enum	1=Not Allocated, 2=Partially Allocated, 3=Allocated
DLVSTA	SHIPMENT STATUS	O	Enum	1=Not Shipped, 2=Partially Shipped, 3=Shipped
INVSTA	INVOICE STATUS	O	Enum	1=Not Invoiced 2=Partially Invoiced, 3=Invoiced
CDTSTA	CREDIT STATUS	O	Enum	1=Ok (not on credit hold), 2=On Hold, 3=Limit Exceeded, 4=Prepayment Not deposited
XHOLDSTA	HOLD STATUS	O	Enum	1=Released, 2=Partial Hold, 3=Hold
GRP="SOH1_6"				
OCNPRN	ACKNOWLEDGEMENT PRINTED	H	Enum	1=No, 2=Yes
XBACCT	BILLING ACCOUNT	H	Char(20)	
BETFCY	TRANSFER ORDER	H	Enum	1=No, 2=Yes
XBPTNAM	THIRD PARTY NAME (FREIGHT INFO ON THIRD PARTY PROCESSING)	H	Char(35)	
BETCPY	INTERCOMPANY	H	Enum	1=No, 2=Yes
XTPBADD	THIRD PARTY ADDRESS	H	Char(35)	
XTPBCTY	THIRD PARTY CITY	H	Char(30)	
XTPBSAT	THIRD PARTY STATE	H	Char(35)	
XTPBZIP	THIRD PARTY ZIP	H	Char(10)	
XTPBCRY	THIRD PARTY COUNTRY	H	Char(3)	
GRP="SOH2_1"	DIMENSION=1			

STOFCY	SHIPPING SITE (WAREHOUSE)	I	Char(3)	Defaults from Customer
DLVPIO	DELIVERY PRIORITY	I	Enum	1=Normal, 2=Urgent, 3=Very Urgent (Not normally specified on the web)
DRN	ROUTE NUMBER	H	Enum	
EEICT	FREIGHT TERMS	I	Char(4)	E.g., PPD – Prepaid, COL – Collect, ... Defaults to customer setup
GRP="SOH2_1"	DIMENSION=1			
DEMDLV DAT	REQUESTED DELIVERY	I	Date	Only allow the ship date or the requested delivery to be entered, not both. We have used ship date on our site. The reason is the delivery date and ship date depend on the delivery time which then depends on the shipping mode and whether ship modes have corresponding days associated to them
DAYLTI	DELIVERY LEAD TIME IN DAYS	O	Integer	
SHIDAT	SHIP DATE	I	Date	Estimated ship date
GRP="SOH2_1"	DIMENSION=1			
MDL	SHIP MODE	I	Char(3)	GRN=Ground, NDY=next day air, ... Varies by customer
XMDLM	MANUALLY ENTERED	H	Integer	
BPTNUM	CARRIER	I	Char(10)	UPS, FEDEX, etc. ... Varies by Customer
GRP="SOH2_4"	DIMENSION=1			
LASDLVNUM	LAST SHIPMENT NUMBER	O	Char(15)	
LASDLV DAT	LAST SHIPMENT DATE	O	Date	
GRP="SOH2_5"	DIMENSION=1			
ORDCLE	CLOSE UNFILLED LINES	I	Enum	1=No, 2=Yes

				Default to Customer-do not override
ODL	ONE ORDER PER SHIPMENT	I	Enum	1=No, 2=Yes Default to Customer-do not override
UNL	RELEASE	I	Enum	1=No, 2=Yes Default to Customer-do not override
GRP="SOH2_6"	DIMENSION=1			
DME	PARTIAL SHIPMENT	I	Enum	1=Allow Partial, 2=Ship Lines Complete, 3=Ship Order Complete Default to Customer-do not override
GRP="SOH2_7"	DIMENSION=1			
ALLTYP	ALLOCATION TYPE	I	Enum	1=By Warehouse, 2=By Lot/Location. Default to Customer-do not override
GRP="SOH3_1"	DIMENSION=1			
IME	INVOICE METHOD	I	Enum	1=one invoice per shipment 2=one invoice per closed order 3=one invoice per order 4=one invoice per ship to 5=one invoice per period 6=manual invoicing  Default to setup-do not override
GRP="SOH3_2"	DIMENSION=1			
XA_TENDTYP	TENDER TYPE?	I	Enum	1=On account 2=credit card 3=cash 4=check 5=multiple
PTE	PAYMENT TERMS?	I	Char(15)	
SQHNUM	QUOTE NUMBER	I	Char(15)	Do not specify

PRFNUM	PROFORMA NUMBER	I	Char(15)	Do not specify
LASINVNUM	LAST INVOICE NUMBER	O	Char(15)	
LASINVDAT	LAST INVOICE DATE	O	Char(15)	
GRP="SOH3_3"	DIMENSION=1			
NBAXE	NUMBER OF DIMENSIONS	H	Integer	
CCEINT	DIMENSION VIEW	H	Enum	1=Department 2=Channels
CCE	DIMENSION	H	Char(5)	
GRP="SOH3_4"	DIMENSION=10			
SHO	SHORT DESCRIPTION	O	Char(12)	Description of different charges or credits against the order (up to 10)
INVDTAAMT	PERCENT OR AMOUNT	I	Decimal	Do not specify, these amounts will be returned
FORMAT	FORMAT	H	Char(20)	
AMTCOD	AMOUNT CODE	H	Enum	1=Percent 2=Amount
INVDTA	INVOICE ELEMENT	H	Integer	Internal
GRP="SOH4_2"	DIMENSION=1			
DLRNOT	EXCLUDE TAX TO DELIVER	H	Decimal	
PFMTOT	MARGIN PERCENT	H	Decimal	
GRP="SOH4_3"	DIMENSION=1			
ORDNOT	EX TAX	H	Decimal	Order excluding tax
ORDATI	ORDER WITH TAX	H	Decimal	
DLRATI	TOTAL WITH TAX	H	Decimal	
XTOTWGT	TOTAL WEIGHT	H	Decimal	
XWGTUOM	TOTAL WEIGHT UNIT OF MEASURE	H	Char(3)	
GRP="SOH4_4"	DIMENSION=1			
ORDINVNOT	INVOICE EXCLUDING TAX	H	Decimal	
ORDINVATI	INVOICE INCLUDING TAX	H	Decimal	
FMTREM		H	Char(9)	

GRP="SOH4_1"	DIMENSION=200 (MAX OF 200 LINES ON AN ORDER).			
NUMLIG	Line No.	O	Integer	X3 line number, normally starts at 1000 and incremented by 1000 for each line. We do not show this on the order.
ITMREF	Product	I(required)	Char(20)	Valid X3 product or part number, called Item in X3
ITMDES	Description	O	Char(30)	Item description
ITMDES1	Std Description	O	Char(30)	Additional description
DSTOFCY	Shipping Site	I	Char(3)	Defaults to STOFCY entered in block SOH2_1.
XOPGFLG	Source Flag	H	Enum	1=No, 2=Yes
LINREVNUM	Revision Number	H	Integer	
LINREVDAT	Date	H	Date	
SAU	Sale Unit of Measure	I	Char(3)	Do not override. It is related to pricing and determined by default from the item. Although you may display for the customer
QTY	Qty	I(Required)	Decimal	Quantity ordered in sales UOM (SAU)
SAUSTUCOE	Sale to Stock Conversion	I	Decimal	Do not allow changes, do not display
STU	Stock Unit of Measure	O	Char(3)	Do not display - Internal
ALLQTY	Qty Allocated	O	Decimal	
SHTQTY	Shortage	O	Decimal	
WALLQTY	To Allocate	O	Decimal	
DALLTYP	Allocation Type	O	Enum	1=By Warehouse, 2=By Lot or Location – do not display
TDLQTY	Qty to Ship	O	Decimal	Do not display – Related to in progress shipments

GROPRI	Sell Price	I	Decimal	Do not allow override – Gross (non-discounted line item price)
DISCRGVAL1	Discount or Charge percent based on X3 pricing setup – 1 through 9	I	Decimal	Do not display or allow override- Internal calculations for customer service
DISCRGVAL2	See DISCRGVAL1			
DISCRGVAL3	See DISCRGVAL1			
DISCRGVAL4	See DISCRGVAL1			
DISCRGVAL5	See DISCRGVAL1			
DISCRGVAL6	See DISCRGVAL1			
DISCRGVAL7	See DISCRGVAL1			
DISCRGVAL8	See DISCRGVAL1			
DISCRGVAL9	See DISCRGVAL1			
NETPRI	Discounted Price	O	Decimal	The price that the customer will pay for the item. On some items we show discount percent as the gross price minus net price divided gross price. If you want to show discount percent on lines use this calc for the line.
XSPECRAND	Special Handling	O	Char(4)	?
CPRPRI	Landed Cost	O	Decimal	Do not display
PFM	Margin	O	Decimal	Do not display
VACITM1	Tax Level 1	O	Char(4)	Do not display
VACITM2	Tax Level 2	O	Char(4)	Do not display
VACITM3	Tax Level 3	O	Char(4)	Do not display
XPTSBAS	Base Pts	O	Decimal	Do not display
XPTSBON	Bonus	O	Decimal	Do not display
XPTSTOT	Points	O	Decimal	Do not display
REPI	Sales Rep 1	I	Char(10)	Do not display

REPRAT1	Commission Rate 1	O	Decimal	Do not display
REP2	Sales Rep 2	I	Char(10)	Do not display
REPRAT2	Commission Rate 2	O	Decimal	Do not display
REPCOE	Comm. Factor	O	Decimal	Do not display
DDEMDLV DAT	Last del date	O	Date	Do not display
DDAYLTI	LT	O	Integer	Do not display
DSHIDAT	Ship Date	O	Decimal	This is the last ship date of this line. You can display if you require.
EXTDLV DAT	Exp Delivery Date	O	Date	Do not display – Internal calculation
DBPAADD	Address	O	Char(3)	Internal address code – do not display
CNDNAM	Delivery Contact	I	Char(35)	Contact name – defaulted from previous SOH data – do not display this Ship to information
USEPLC	Location Reference	I	Char(30)	Internal – do not sue
DDLVP IO	Shipping Priority	I	Enum	Do not use 1=Normal, 2=Urgent, 3-Very Urgent – defaults to correct value
DDR N	Route Number	I	Enum	Do not use
DMDL	Ship Mode	I	Char(3)	Ship mode, ground, fedex, ... defaults from header information
DBPTNUM	Carrier	I	Char(10)	Carrier id, such as UPS, fedex, etc. Defaults from sales order header
PCK	Package	H	Char(3)	Do not use
PCKCAP	Packing Capacity	H	Decimal	Do not use
CCE1	Internal Accounting Data	I	Char(15)	Do not use
CCE2	Internal Accounting Data	I	Char(15)	Do not use
CCE3	Internal Accounting Data	I	Char(15)	Do not use
CCE4	Internal Accounting Data	I	Char(15)	Do not use
CCE5	Internal Accounting Data	I	Char(15)	Do not use

DEMSTA	Order Status	O	Enum	Line status – 1= Firm 2= Planned 3= Suggested 4= Closed
FMI	Source for Shipment	O	Enum	1= Stock 2= Direct Order to Customer 3= Direct Order Received and Shipped 4= Transfer Order 5= Work Order
FMINUM	Back-to-Back Order No	O	Char(15)	Do not use
YSPCCST	Special Cost	H	Decimal	Do not use
YORGCST	Original Cost	H	Decimal	Do not use
LINORDNOT	Line Amt -Tax	O	Decimal	Extended amount (qty*net price) without tax
LINORDATI	Line Amt +Tax	O	Decimal	Extended amount (qty*net price) with tax
LINPFM	Line Margin	O	Decimal	Do no tuse
DETSQHNUM	Quote Number	O	Decimal	Quote number associated to line – do not sue
LINTYP	Line type	O	Enum	1= Normal 2= Kit 3= Kit Component 4= Kit Option 5= Kit Variant 6= BOM 7= BOM Component 8= BOM Option



				9=BOM Variant
FOCFLG	Free	O	Enum	1=No 2=Source 3=Yes
ORILIN	Free Line Source	H	Integer	Do not display
SOQSTA	Closed	O	Enum	Do not use 1=Pending 2=Late 3=Closed
DCCLREN	Cancellation reason	O	Char(4)	If line was cancelled, this is a code indicating reason – do not use, just say line is cancelled if cancelled (if there is a value in this field). It becomes because partially filled lines may be cancelled for the remainder of the items.
DCCLDAT	Date closed	O	Date	Line Cancellation date
UPDFLG	Change flag	H	Integer	Internal – If you decide to allow an update to an order, we will have to discuss this field.
CREFLG	Creation Flag	H	Integer	Internal
SOPLIN	Line	H	Integer	Internal
QTYSTU	Ordered STU	H	Decimal	Stock quantity ordered - internal
ALLQTYSTU	Allocated STU	H		Internal
WALLQTYSTU	STK Qty. to be allocated	H		Internal
DLVQTY	Qty Shipped	H		Internal
INVQTY	Qty Invoiced	H		Internal
SHTQTYSTU	Shortage STU	H		Internal
ODLQTY	Being Shipped	H		Internal
PRIREN	Price Reason	H		Internal

DISCRGREN1	Discount 1 Reason	H		Internal
DISCRGREN2	Discount 2 Reason	H		Internal
DISCRGREN	Discount 3 Reason	H		Internal
DISCRGREN4	Discount 4 Reason	H		Internal
DISCRGREN5	Discount 5 Reason	H		Internal
DISCRGREN6	Discount 6 Reason	H		Internal
DISCRGREN7	Discount 7 Reason	H		Internal
DISCRGREN8	Discount 8 Reason	H		Internal
DISCRGREN9	Discount 9 Reason	H		Internal
VAT1	Tax 1	H		Internal
VAT2	Tax 2	H		Internal
VAT3	Tax 3	H		Internal
CLCAMT1	Tax Basis 1	H		Internal
CLCAMT2	Tax Basis 2	H		Internal
LINDLRNOT	Line Amt to Ship -Tax	H		Internal
LINDLRATI	Line Amt to Ship +Tax	H		Internal
YSHTQTY	Short Quantity	H		Internal
TALLQTYSTU	Allocated Total	H		Internal
YSOQSTA		H		Internal
STOMGTCOD	Stock Management Code	H	Enum	1=Non-Stock 2=Stock 3=Potency managed (Chemical management) - Internal
TSICOD1	Statistical Group 1	H	Char(4)	Internal
TSICOD2	Statistical Group 2	H	Char(4)	Internal
TSICOD	Statistical Group	H	Char(4)	Internal
TSICOD4	Statistical Group 4	H	Char(4)	Internal
TSICOD5	Statistical Group 5	H	Char(4)	Internal
LOT	Preferred Lot	H		Internal
LOC	Location	H		Internal

GRPFLG	Preferential Status	H		Internal
SQDLIN	Group Flag	H		Internal
NETPRINOT	Quote Line	H		Internal
NETPRIATI	Net Price -Tax	H		Internal
SOQTEX	Net Price +Tax	H		Internal
ANCSOQTEX	Line Text	H		Internal
ITMREFBPC	Line Text	H		Internal
	Customer Product	H		Internal
INVFLG	Invoiced	H	Enum	Internal 1=No 2=Yes
WIPFLG	Work in progress flag	H		Internal
OCNPRNBOM	Print components on acknowledgement	H		Internal
NDEPRNBOM	Print Component on Acknowledgement	H		Internal
INVPRNBOM	Print Component on Shipping Note	H		Internal
CQTY	Print Component on Invoice	H		Internal
IMPNUMLIG	Import Line	H		Internal
CONNUM	Service Contract No.	H		Internal
TDLQTYSTU	Stock Qty to Ship	H		Internal
DACSAUCOE	Sales coeff entry	H		Internal
POPLIN	Line	H		Internal
RERBPCFLG	Consumption of customer reserve	H	Enum	Internal, 1=No, 2=Yes
DLBQTYSTU	Consume Reserve	H		Internal
CTMFLG	Direct Orders	H	Enum	Line ordered direct from supplier 1=No, 2=Yes
XPTSCST	Cost in Points	H		Internal
XVLTOT	Valuation Cost	H		Internal
XMATTOT	Material Cost	H		Internal

XLFTOT	Landed Fees	H		Internal
XHOLDCODE	Hold Code	H		Internal
XROLLS	Number of Rolls	H		Internal
XROLLEN	Roll Length	H		Internal
ZOLDPRI	Release Special Cost	H		Internal
GRP="XSOH_1"	DIMENSION=1			
X855STA	EDI 855 order	O		Internal
GRP="XSOH_2"	DIMENSION=1			
XRESFLG	Residence Flag	O	Enum	1=No, 2=Yes Ship to residence
GRP="XSOH_3"	DIMENSION=1			
XHOLDCODE	Hold Code	O	Char(10)	Code indicating line hold information
XHOLDDAT	Date of Hold status change	O	Date	Internal
XHOLDTIM	Time of Hold status Change	O	Time	Internal
XHOLDLGN	User who made hold status change	O	Char(20)	Internal
XHOLDUSR	User code who made hold change	H		Internal
GRP="XTDS_1"	DIMENSION=1			
BPINAM1	Bill to Customer Name 1	I	Char(35)	
BPINAM2	Bill to Customer Name 2	I	Char(35)	
BPIADDLIG1	Bill to address line 1	I	Char(40)	
BPIADDLIG2	Bill to address line 2	I	Char(40)	
BPIADDLIG3	Bill to address line 3	I	Char(40)	
BPICTY	Bill to city	I	Char(30)	
BPISAT	Bill to state	I	Char(35)	
BPIPOSCOD	Bill to postal code	I	Char(10)	
BPICRY	Bill to country	I	Char(3)	
GRP="XTDS_2"	DIMENSION=1			
BPDNAM1	Ship To name 1	I	Char(35)	
BPDNAM2	Ship To name 2	I	Char(35)	

BPDADDLIG1	Ship to address line 1	I	Char(40)	
BPDADDLIG2	Ship to address line 2	I	Char(40)	
BPDADDLIG3	Ship to address line 3	I	Char(40)	
BPDCTY	Ship to city	I	Char(30)	
BPDSAT	Ship to state	I	Char(35)	
BPDPOSCOD	Ship to postal code	I	Char(10)	
BPDCRY	Ship to country	I	Char(3)	
CNDNAM	Contact Name	I	Char(50)	
GRP="XTDS_3"	DIMENSION=1			
XCCL4D	CC last 4 digits	I	Char(4)	For Reference on documents
XCCAUTDAT	CC Type	I	Char(3)	VIS = Visa, MC=Master Card, AMX=American Express, CC are all others
XCCAUTID	CC Processor Authorization Code	I	Char(15)	Required if processing credit cards
XCCAUTAMT	Authorization Amount	I	Decimal	Authorized amount on the card
XCUUID	Authorization GUID/UUID	I	Char(50)	SPS Guid for the authorization
XCVANREF	SPS Van Reference	I	Char(20)	Van Reference SPS
CPROCESSOR	Identifiers the processor	I	Integer	Always pass 4 for SPS
FIRSTNAME	First name of card holder	I	Char(35)	
INITIAL	Middle initial	I	Char(1)	
LASTNAME	Last Name of card holder	I	Char(35)	
ADDLIN	Address line of card holder	I	Char(40)	
CTY	City	I	Char(40)	
SAT	State	I	Char(35)	
POSCOD	Postal Code	I	Char(10)	
CRY	Country	I	Char(2)	Country Code
XCVLTGUID	SPS Vault GUID	I	Char(50)	Returned by SPS
XCCVALTO	Valid to date of the card	I	Date	YYYYMMDD
XCCRD TYP	Card type	I	Char(10)	Visa, Amex, ...
GRP="XTDS_4"	DIMENSION=1			



## 17. XTDCATSUB – CATALOG SUBSCRIPTION REQUEST

### 17.1. CATALOG SUBSCRIPTION REQUEST

The XTDCATSUB adds a record or resets an existing in the XTDCATSUB table to indicate the customer is requesting to be on the list for receiving catalogs. No Validation is completed on the data processed.

```
<PARAM>
  <FLD NAME="XTDLOGID" >abc@abc.com</FLD>
  <FLD NAME="NAME" >john doe</FLD>
  <FLD NAME="TITLE" >head</FLD>
  <FLD NAME="COMPANY" >company name</FLD>
  <FLD NAME="ADDLIG0" >lit add 1</FLD>
  <FLD NAME="ADDLIG1" >lit add 2</FLD>
  <FLD NAME="ADDLIG2" >lit add 3</FLD>
  <FLD NAME="CITY" >lit city</FLD>
  <FLD NAME="STATE" >PA</FLD>
  <FLD NAME="POSCOD" >12345</FLD>
  <FLD NAME="CRY" >US</FLD>
  <FLD NAME="TEL" >1231321321</FLD>
  <FLD NAME="FAX" >FAX1321321</FLD>
  <FLD NAME="EMAIL" >john.doe@abc.com</FLD>
  <FLD NAME="SUBSCRIBE">1</FLD>
</PARAM>
```

## 17.2. XTDCATSUB – XTEND CATALOG SUBSCRIPTION REQUEST - DETAIL

Field	Description	I/O	Type	Comment
GRP="G1"	Dimension=1			
XTDLOGID	Web User Id	I (Required)	Char(50)	
NAME	Web user name	I	Char(40)	
TITLE	Web user Title	I	Char(40)	
COMPANY	Company	I	Char(35)	
ADDLIG0	Address Line 1	I	Char(35)	
ADDLIG1	Address Line 2	I	Char(35)	
ADDLIG2	Address Line 3	I	Char(35)	
CITY	City	I	Char(40)	
STATE	State	I	Char(35)	
ZIP	Postal code	I	Char(10)	
CRY	Country	I	Char(3)	
TEL	Telephone	I	Char(20)	
FAX	Fax number	I	Char(20)	
EMAIL	Email address	I	Char(50)	
SUBSCRIBE	Subscription	I	Integer	1=subscribe



**18. XTDCATUNS – CATALOG UN-SUBSCRIBE REQUEST**

The XTDCATUNS sets an existing record in the XTDCATSUB table to unsubscribe. Field SUBSCRIBE set to 0. If the record does not exist, no errors are returned.

**18.1. CATALOG UN-SUBSCRIBE REQUEST**

```
<PARAM>  
  <FLD NAME="XTDLOGID" >abc@abc.com</FLD>  
</PARAM>
```

**18.2. XTDCATUNS – CATALOG UN-SUBSCRIBE REQUEST - DETAIL**

<b>Field</b>	<b>Description</b>	<b>I/O</b>	<b>Type</b>	<b>Comment</b>
GRP="G1"	Dimension=1			
XTDLOGID	Web User Id	I (Required)	Char(50)	

## 19. XTDGENWS – GENERIC WEB SERVICE

### 19.1. EXAMPLE 1: CUSTOMER TYPE UPDATE REQUEST

```
<PARAM>
  <FLD NAME="PRGNAM" >XTDGWTST</FLD>
  <TAB ID="PARAMETERS" >
    <LIN>
      <FLD NAME="PNAM" >BPCNUM</FLD>
      <FLD NAME="PVAL" >4724761</FLD>
    </LIN>
    <LIN>
      <FLD NAME="PNAM" >CUSTYP</FLD>
      <FLD NAME="PVAL" >B0</FLD>
    </LIN>
  </TAB>
</PARAM>
```

**19.2. EXAMPLE 1: XML CUSTOMER TYPE RESULTS**

```
<?xml version="1.0" encoding="UTF-8"?>
<RESULT>
  <GRP ID="G1" >
    <FLD NAME="PRGNAM" >XTDGWTST</FLD>
    <FLD NAME="OKSTS" >1</FLD>
  </GRP>
  <TAB DIM="50" ID="PARAMETERS" SIZE="3" >
    <LIN NUM="1" >
      <FLD NAME="PNAM" >BPCNUM</FLD>
      <FLD NAME="PVAL" >4724761</FLD>
    </LIN>
    <LIN NUM="2" >
      <FLD NAME="PNAM" >CUSTYP</FLD>
      <FLD NAME="PVAL" >B0</FLD>
    </LIN>
    <LIN NUM="3" >
      <FLD NAME="PNAM" >BPCNAM</FLD>
      <FLD NAME="PVAL" >Mainscape Inc</FLD>
    </LIN>
  </TAB>
  <GRP ID="G2" >
    <FLD NAME="NUMRET" ></FLD>
  </GRP>
</RESULT>
```

**19.3. EXAMPLE 2: SAMPLE SALES ORDER REQUEST**

```
<PARAM>  
  <FLD NAME="PRGNAM" >XTDGWTST1</FLD>  
  <TAB ID="PARAMETERS" >  
    <LIN>  
      <FLD NAME="PNAM" >SOHNUM</FLD>  
      <FLD NAME="PVAL" >SO10050241</FLD>  
    </LIN>  
  </TAB>  
</PARAM>
```

**19.4. EXAMPLE 2: SALES ORDER INQUIRY RESULTS**

```
<?xml version="1.0" encoding="UTF-8"?>
<RESULT>
  <GRP ID="G1" >
    <FLD NAME="PRGNAM" >XTDGWTST1</FLD>
    <FLD NAME="OKSTS" >1</FLD>
  </GRP>
  <TAB DIM="50" ID="PARAMETERS" SIZE="9" >
    <LIN NUM="1" >
      <FLD NAME="PNAM" >SOHNUM</FLD>
      <FLD NAME="PVAL" >SO10050241</FLD>
    </LIN>
    <LIN NUM="2" >
      <FLD NAME="PNAM" >BPCNAM1</FLD>
      <FLD NAME="PVAL" >Langton Nursery & Ldscp Supply</FLD>
    </LIN>
    <LIN NUM="3" >
      <FLD NAME="PNAM" >BPCNAM2</FLD>
      <FLD NAME="PVAL" ></FLD>
    </LIN>
    <LIN NUM="4" >
      <FLD NAME="PNAM" >BPCORD</FLD>
      <FLD NAME="PVAL" >15069146</FLD>
    </LIN>
  </TAB>
</RESULT>
```

```
</LIN>
<LIN NUM="5" >
  <FLD NAME="PNAM" >CUSORDREF</FLD>
  <FLD NAME="PVAL" ></FLD>
</LIN>
<LIN NUM="6" >
  <FLD NAME="PNAM" >ORDCHG</FLD>
  <FLD NAME="PVAL" >4.99</FLD>
</LIN>
<LIN NUM="7" >
  <FLD NAME="PNAM" >ORDDAT</FLD>
  <FLD NAME="PVAL" >20100513</FLD>
</LIN>
<LIN NUM="8" >
  <FLD NAME="PNAM" >ORDNOT</FLD>
  <FLD NAME="PVAL" >291.84</FLD>
</LIN>
<LIN NUM="9" >
  <FLD NAME="PNAM" >ORDTAX</FLD>
  <FLD NAME="PVAL" >0</FLD>
</LIN>
</TAB>
<GRP ID="G2" >
  <FLD NAME="NUMRET" ></FLD>
```

```
</GRP>
<TAB DIM="300" ID="LINES" SIZE="12" >
  <LIN NUM="1" >
    <FLD NAME="PLNAM1" >ITMDES</FLD>
    <FLD NAME="PLVAL1" >LABEL SLIP N LOCK  WHITE 5/8</FLD>
    <FLD NAME="PLNAM2" >ITMREF</FLD>
    <FLD NAME="PLVAL2" >SL758-2W</FLD>
    <FLD NAME="PLNAM3" >NETPRI</FLD>
    <FLD NAME="PLVAL3" >25.99</FLD>
    <FLD NAME="PLNAM4" >ORDQTY</FLD>
    <FLD NAME="PLVAL4" >1</FLD>
    <FLD NAME="PLNAM5" >SAU</FLD>
    <FLD NAME="PLVAL5" >EA</FLD>
    <FLD NAME="PLNAM6" >SHPQTY</FLD>
    <FLD NAME="PLVAL6" >1</FLD>
    <FLD NAME="PLNAM7" >SOPLIN</FLD>
    <FLD NAME="PLVAL7" >1000</FLD>
    <FLD NAME="PLNAM8" ></FLD>
    <FLD NAME="PLVAL8" ></FLD>
    <FLD NAME="PLNAM9" ></FLD>
    <FLD NAME="PLVAL9" ></FLD>
    <FLD NAME="PLNAM10" ></FLD>
    <FLD NAME="PLVAL10" ></FLD>
    <FLD NAME="PLNAM11" ></FLD>
```



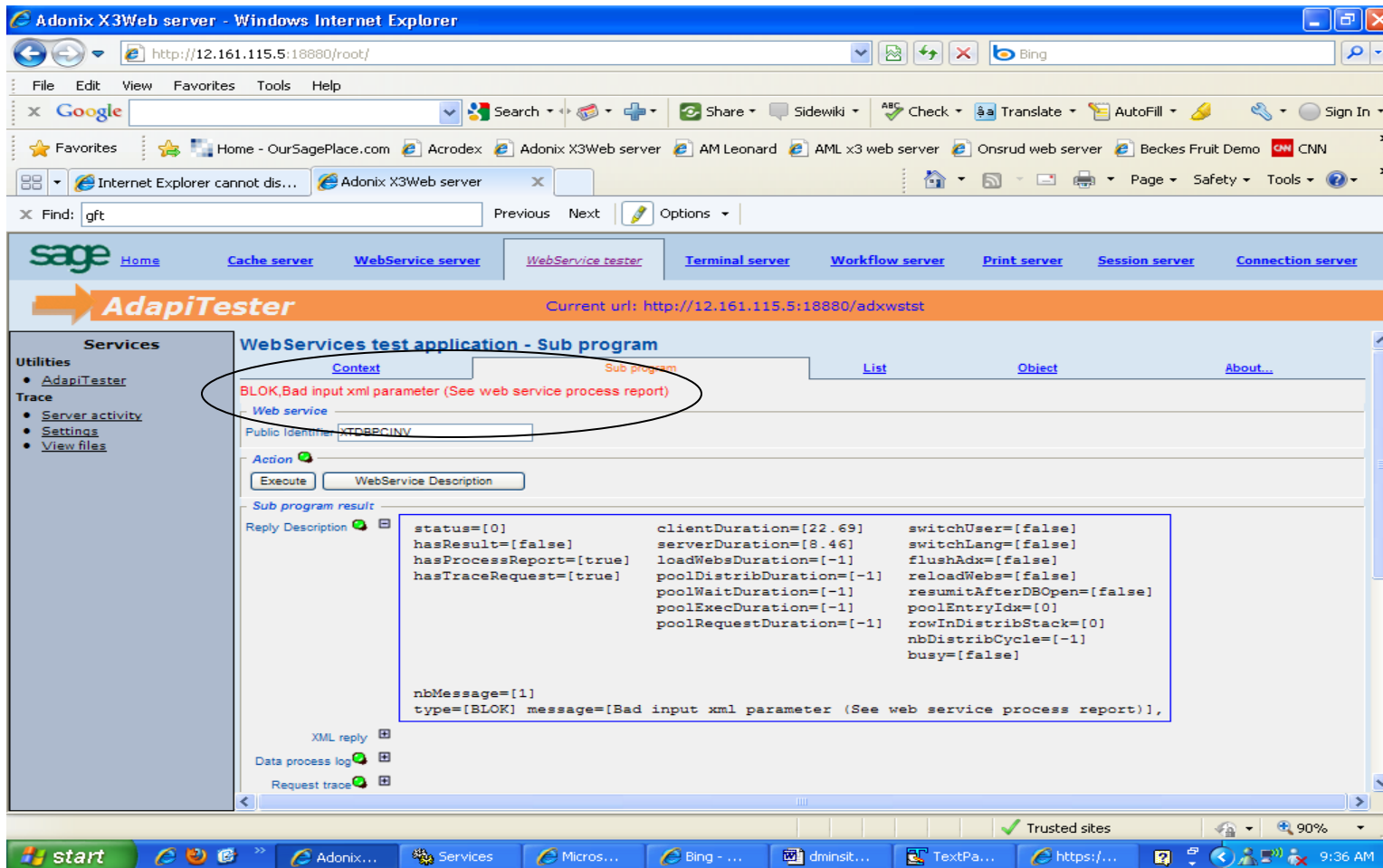
```
<FLD NAME="PLVAL11" ></FLD>  
<FLD NAME="PLNAM12" ></FLD>  
<FLD NAME="PLVAL12" ></FLD>  
<FLD NAME="PLNAM13" ></FLD>  
<FLD NAME="PLVAL13" ></FLD>  
<FLD NAME="PLNAM14" ></FLD>  
<FLD NAME="PLVAL14" ></FLD>  
<FLD NAME="PLNAM15" ></FLD>  
<FLD NAME="PLVAL15" ></FLD>  
</LIN>
```

## 20. APPENDIX A – TOMCAT ERRORS

Tomcat may signal any number of errors on executing a test. Three of the most common errors are as follows:

### 20.1. ERROR IN XML STRUCTURE

This error is caused by an invalid structure or element.



Adonix X3Web server - Windows Internet Explorer

http://12.161.115.5:18880/root/

File Edit View Favorites Tools Help

Google Search Share Sidewiki Check Translate AutoFill Sign In

Home - OurSagePlace.com Acrodex Adonix X3Web server AM Leonard AML x3 web server Onsrud web server Beckes Fruit Demo CNN

Internet Explorer cannot dis... Adonix X3Web server

Find: gft Previous Next Options

sage Home Cache server WebService server **WebService tester** Terminal server Workf... Connection server

AdapiTester Current url: http://12.161.115.5:18880/ad

Services

Utilities

- AdapiTester

Trace

- Server activity
- Settings
- View files

```

hasResult=[false] serverDuration=[8.46]
hasProcessReport=[true] loadWebsDuration=[-1]
hasTraceRequest=[true] poolDistribDuration=[-1]
poolWaitDuration=[-1]
poolExecDuration=[-1]
poolRequestDuration=[-1] rowInDistribStack=[0]
nbDistribCycle=[-1]
busy=[false]

nbMessage=[1]
type=[BLOK] message=[Bad input xml parameter (See web service process report)],

```

XML reply

Data process log

```

+Calling Subprog Alias[XTDBPCINV] Subprog[XTDBPCINV] Trt[XTDBPCINV] Folder[PATCH12] Solution[X3V6] Wra
NbErrors[1] NbWarnings[0]
[Comments]
Load parameters table OK - NbParameters=31 - NbBlobs=0 - NbClobs=0
Parse XML parameter string OK - XMLSize=286 chars.
Load input data KO - NbSetValue=[5]
+Load input data
NbErrors[1] NbWarnings[0]
[Err]Can&apos;t add field [FLD] under root node. Field [AGFTCODE] not found into X3 description.

```

Request trace

Sub program Data

XML Data

```

<PARAM>
<FLD NAME="ABPCODE" >dmuser@dminsie.com</FLD>

```

Done Trusted sites 90%

start W... Ad... Se... Mic... Bin... dm... Te... RE... htt... 9:28 AM

To find the element or problems, open the process log.

## 20.2. WEBSERVER TEST SERVER HAS TIMED OUT

This error is caused by an invalid structure or element.

The screenshot shows a Windows Internet Explorer browser window displaying the AdapiTester application. The browser's address bar shows the URL `http://12.161.115.5:18880/root/`. The application interface includes a navigation menu with tabs for 'Home', 'Cache server', 'WebService server', 'WebService tester', and 'Terminal server'. The 'WebService tester' tab is active, showing a 'WebServices test application - Sub program' interface. The 'Context' sub-tab is selected, and an error message is displayed: 'WebServices context call is invalid.' A callout box with an arrow pointing to the error message contains the text: 'The web services context is invalid. Re-connect as you usually connect to the server. This happens only on the test server. Select Context tab.' The 'Sub program result' section shows a JSON-like response with various duration and status fields, including a message in French: 'Il est impossible d'exécuter le traitement [AWEB:RECUPHDAT], le groupe d'entrées [DMINSITE] est'.

### 20.3. WEBSERVER IS STOPPED

The webserver has been stopped for some reason..

The screenshot shows a web browser window titled "Adonix X3Web server - Windows Internet Explorer". The address bar shows "http://12.161.115.5:18880/root/". The page content includes a navigation menu with links like "Home", "Cache server", "WebService server", "WebService tester", "Terminal server", "Workflow server", "Print server", "Session server", and "Connection server". The "WebService server" link is highlighted with a red arrow pointing to a callout box.

The callout box contains the text: "To start the web server, go to the link WebService server".

The main content area shows a "WebServices test application - Sub program" with a red error message: "BLOK, il est impossible d'exécuter le traitement [AWEB:RECUPHDAT], le groupe d'entrées [DMINSITE] est dans l'état [stoppé] et il contient [0] entrée(s) connectée(s)". Below this, there is a "Sub program result" section with a status of "statut=[0]" and a detailed error stack trace in French.

```

clientDuration=[19.49]
serverDuration=[4.46]
loadWebsDuration=[-1]
poolDistribDuration=[-1]
poolWaitDuration=[-1]
poolExecDuration=[-1]
poolRequestDuration=[-1]

est impossible d'exécuter le traitement [AWEB:RECUPHDAT], le groupe d'entrées
type=[EXEP] message=[
class=[java.lang.Exception]
mess=[Il est impossible d'exécuter le traitement [AWEB:RECUPHDAT], le groupe d'entrées [DMINSITE] est
stack=[com.adonix.x3web.wawsvcservice.main.CWsvcRequest (recupHorDat:1583)
com.adonix.x3web.wawsvcservice.main.CWsvcRequest (recupWantedTimeStamp:1621)
    
```

The screenshot shows a web browser window titled "Adonix X3Web server - Windows Internet Explorer". The address bar shows the URL: `http://gaqx3devweb01.gs.adinternal.com:37443/root/`. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains various icons for search, share, and navigation. The page content features a navigation menu with links like Home, Cache server, WebService server, WebService tester, Terminal server, Workflow server, Xtend server, Print server, Session server, and Connection server. Below this is a header for "Webservices Server" with the current URL: `http://gaqx3devweb01.gs.adinternal.com:37443/adxwsvc`.

The main content area displays XML data for a pool. The top section shows a pool with state "2" and statelib "started". Below it, a "Start" button is highlighted with a red circle. A callout box points to this button with the text: "Select the Start button for X3V5\_TST connection group (pool). The button will switch to 'stop' once the pool has started." The XML data below the button shows a pool with state "4" and statelib "stopped".

```

<admreply request="GetPoolInfos" >
  <entries id="900083087" state="2" statelib="started" >
    <descr>
      <poolentries id="900083087" statelib="started" >
        <listentries id="900083087_CEntries_1354836" size="0" ></listentries>
      </poolentries>
    </descr>
  </entries>
</admreply>

Entries group X3V5_TST
Start
<admreply request="GetPoolInfos" >
  <entries id="1209205861" state="4" statelib="stopped" >
    <descr>
      <poolentries id="1209205861" alias="X3V5_TST" state="4" statelib="stopped" st
        <listentries id="1209205861_CEntries_1354836" size="0" ></listentries>
      </poolentries>
    </descr>
  </entries>
</admreply>
  
```

**21. APPENDIX B – SAMPLE SHIPPING AND CARRIER CODES**

To process an order into X3, valid shipping and carriers codes are required. These codes must be provided to the SALESORDER web service to process an order.