

Information & Description for Elektroskandia PunchOut

**Open Catalogue Interface &
cXML**

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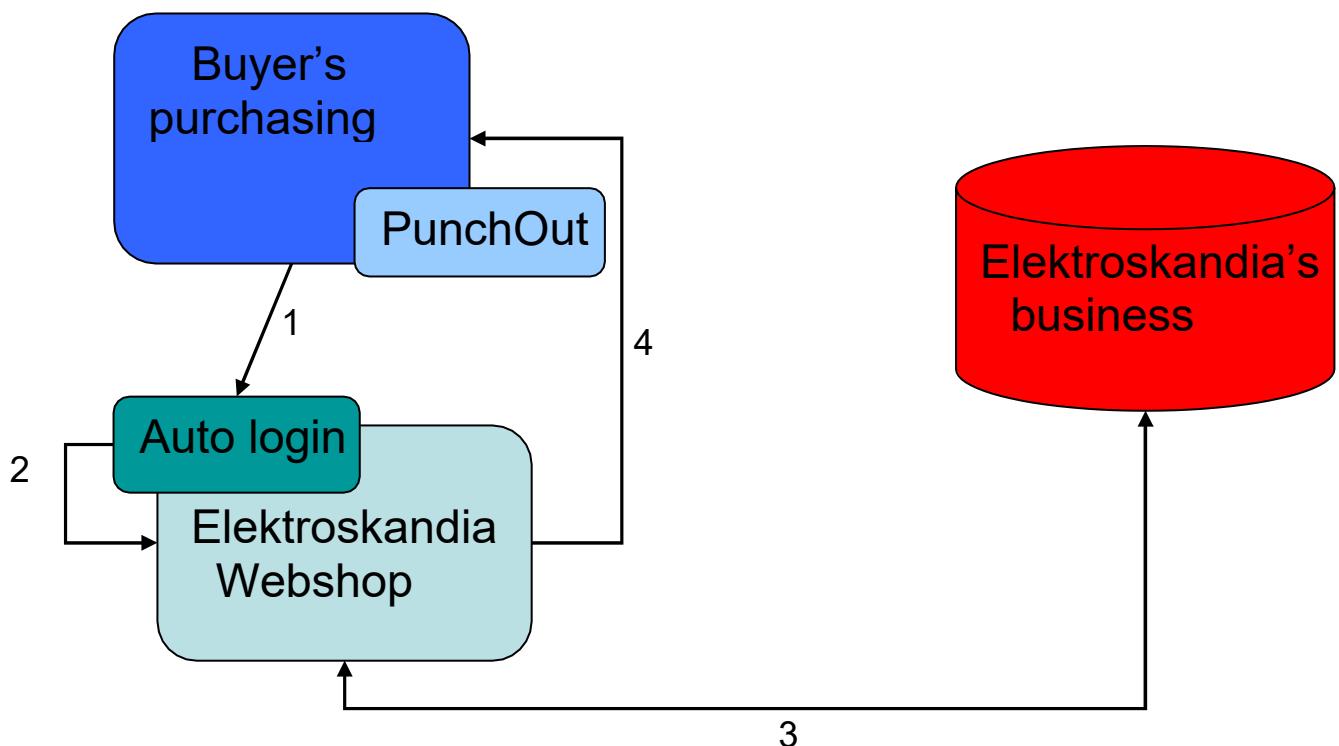
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Description

In cases where the supplier's product range in the webshop is extremely large, updated continuously and features unique functionality that cannot be replicated in the buyer's purchasing system, we recommend using a PunchOut system to present Elektroskandia's products to buyers.

The PunchOut system is described in detail in the sections below, but at a general level, it entails the following: The buyer logs into the Elektroskandia webshop automatically and creates an order. The contents of the shopping trolley are transferred to the buyer's system in the format stated on login, and are added to the other products in the order in the buyer's purchasing system. The buyer completes the order in his purchasing system, and it is processed in the same way as other orders – as regards accounting, delivery address and pre-authorisation, for example. After the order has been approved, the purchase order is created in the usual way.

PunchOut process:



1. The buyer logs into the Elektroskandia Webshop automatically from his purchasing system.
2. The login data are verified and the login is concluded.
 - a. The buyer then starts to create an order by adding products to his shopping trolley.
3. When the buyer has selected all the products required, he proceeds to the checkout to check the availability and purchase prices of the products in his shopping trolley.
4. The buyer completes his order by clicking the "PunchOut" button. The contents of the shopping trolley are then returned to the buyer's purchasing system.

Benefits of a PunchOut solution

- Always correct information about item prices as the PunchOut solution interacts online with Elektroskandia's business system.
- Access to updated item information and descriptions because the internet catalogue is updated frequently – currently once a week.
- Utilise the Elektroskandia Webshop functions to simplify your purchases.

Get started with PunchOut

The login procedure is in place at <https://www.elektroskandia.se/remotelogin.aspx> and to get started with PunchOut, simply choose which of the two PunchOut message layouts you wish to use. This is determined by the parameters you send when logging in.

The two layouts available for the PunchOut result are:

- SAP OCI Version 3.0 HTML
- cXML, section of cXML Version 1.2.012 message PunchOutOrderMessage

To create a PunchOut set-up from the Elektroskandia Webshop, there has to be a registered user for your customer number. To register, go to <https://www.elektroskandia.se/kundansokan.aspx>.

For additional information, contact your sales representative at Elektroskandia.

PunchOut – SAP OCI

Version

SAP OCI Version 3.0 in HTML format.

Login

Login takes place through an encrypted connection to the Elektroskandia Webshop to prevent your username and password falling into unauthorised hands.

Login is performed to the address <https://www.elektroskandia.se/remotelogin.aspx>. The parameters presented below must be added to this address in the stated order.

1. username=[username]
The username
2. password=[password]
The password
3. ~OkCode=[OkCode]
Transaction code indicating that the items are to be added when the PunchOut is concluded. The value is normally set to **ADDI**
4. ~TARGET=[TARGET]
States the frame in which the PunchOut is to be returned. Normally set to **_top**
5. ~CALLER=[CALLER]
Set to value **CTLG**
6. HOOK_URL=[HOOK_URL]
A URL/Internet address your PunchOut result is to be sent to.

NB! All the parameters listed above are compulsory.

The username and password are the same as were used to log into the Elektroskandia Webshop. This means that to use PunchOut from the Elektroskandia Webshop, you need to be a registered e-commerce customer.

Example:

[https://www.elektroskandia.se/remotelogin.aspx?username=\[username\]&password=\[password\]&~OkCode=ADDI&~target=_top&~CALLER=CTLG&HOOK_URL=\[HOOK_URL\]](https://www.elektroskandia.se/remotelogin.aspx?username=[username]&password=[password]&~OkCode=ADDI&~target=_top&~CALLER=CTLG&HOOK_URL=[HOOK_URL])

Result of PunchOut

Each item returned in the PunchOut result contains the following fields, where *n* is replaced with an index/serial number that starts from 1 and counts up: 1, 2, 3 and so on.

Field name	Explanation	Data type (length)
NEW_ITEM-CUST_FIELD1[n]	Customer-specific field	Text (3)
NEW_ITEM-VENDOR[n]	Customer-specific field	Text (6)
NEW_ITEM-QUANTITY[n]	Quantity ordered	Text (15)
NEW_ITEM-VENDORMAT[n]	Item number	Text (10)

NEW_ITEM-DESCRIPTION[n]	Item description	Text (40)
NEW_ITEM-MATGROUP[n]	Material group	Text (9)
NEW_ITEM-PRICE[n]	The item price	Text (15)
NEW_ITEM-CURRENCY[n]	Currency (ISO), always set to 'SEK'	Text (3)
NEW_ITEM-UNIT[n]	Unit according to ISO	Text (3)
NEW_ITEM-LEADTIME[n]	Lead time in days for the item	Text (5)
NEW_ITEM-EXT_PRODUCT_ID[n]	NOT used, always blank.	Text (40)

Description of field

NEW_ITEM-CUST_FIELD1

The value is taken from the object in the Webshop used in the PunchOut session. The value is the object ID.

NEW_ITEM-VENDOR

The value is taken from the object in the Webshop used in the Punchout session. The value is the object name.

NEW_ITEM-QUANTITY

This field contains the quantity per item. Quantity is stated to three decimals, e.g. 3.000

NEW_ITEM-VENDORMAT

Contains the item number

NEW_ITEM-DESCRIPTION

This field contains the item designation.

NEW_ITEM-MATGROUP

This field contains the item's material group or other information to be found in the buyer's system. The value can be a fixed reference allocated to an object, or, if it is left blank, check whether the customer in question has his own item number stored at Elektroskandia. If so, the customer's own item number is returned. If none of the above criteria is fulfilled, leave blank.

NEW_ITEM-PRICE

The item price; the price is the buyer's net price from Elektroskandia. The price is stated to three decimals, e.g. 50.670

NEW_ITEM-CURRENCY

The currency of the price; always set at Swedish Kronor (SEK)

NEW_ITEM-UNIT

The item's unit code according to ISO

NEW_ITEM-LEADTIME

The lead time for the item in days.

NEW_ITEM-EXT_PRODUCT_ID

Not used, always blank.

Examples of a login form and result:

```

<form method="get" action="RemoteLogin.aspx" id="Form2">
    <input type="hidden" name="username" value="[username]" />
    <input type="hidden" name="password" value="[password]" />
    <input type="hidden" name="~OkCode" value="OkCodeTest" />
    <input type="hidden" name="~target" value="_top" />
    <input type="hidden" name="~caller" value="CallerTest" />
    <input type="hidden" name="HOOK_URL" value="PunchOutOCIResponseTest.aspx" />
    <input type="submit" value="Logga in" />
</form>

<input type="hidden" name="~OkCode" value="ADDI">
<input type="hidden" name="~target" value="_top">
<input type="hidden" name="~caller" value="CTLG">
<!-- Artikel 1-->
<input type="hidden" name="NEW_ITEM-CUST_FIELD1[1]" value= "GRUNDOBJ">
<input type="hidden" name="NEW_ITEM-VENDOR[1]" value= "GRUNDOBJ">
<input type="hidden" name="NEW_ITEM-QUANTITY[1]" value = "1">
<input type="hidden" name="NEW_ITEM-VENDORMAT[1]" value = "0410001">
<input type="hidden" name="NEW_ITEM-DESCRIPTION[1]" value = "EKK 3G1.5">
<input type="hidden" name="NEW_ITEM-MATGROUP[1]" value = "">
<input type="hidden" name="NEW_ITEM-PRICE[1]" value = "20.40">
<input type="hidden" name="NEW_ITEM-CURRENCY[1]" value = "SEK">
<input type="hidden" name="NEW_ITEM-UNIT[1]" value = "MTR">
<input type="hidden" name="NEW_ITEM-LEADTIME[1]" value = "1">
<input type="hidden" name="NEW_ITEM-EXT_PRODUCT_ID[1]" value = " ">
<!-- Artikel 2-->
<input type="hidden" name="NEW_ITEM-CUST_FIELD1[2]" value= "GRUNDOBJ">
<input type="hidden" name="NEW_ITEM-VENDOR[2]" value= "GRUNDOBJ">
<input type="hidden" name="NEW_ITEM-QUANTITY[2]" value = "100">
<input type="hidden" name="NEW_ITEM-VENDORMAT[2]" value = "1440842">
<input type="hidden" name="NEW_ITEM-DESCRIPTION[2]" value = "SKARVKLÄMMA TORIX
T6">
<input type="hidden" name="NEW_ITEM-MATGROUP[2]" value = "">
<input type="hidden" name="NEW_ITEM-PRICE[2]" value = "3.00">
<input type="hidden" name="NEW_ITEM-CURRENCY[2]" value = "SEK">
<input type="hidden" name="NEW_ITEM-UNIT[2]" value = "EA">
<input type="hidden" name="NEW_ITEM-LEADTIME[2]" value = "1">
<input type="hidden" name="NEW_ITEM-EXT_PRODUCT_ID[2]" value = " ">
```

PunchOut, cXML

Version

A section of cXML Version 1.2.012 , message: PunchOutOrderMessage

Login

Login takes place through an encrypted connection to the Elektroskandia Webshop to prevent your username and password falling into unauthorised hands.

Login is performed to the address <https://www.elektroskandia.se/remotelogin.aspx>. The parameters presented below must be added to this address in the stated order.

1. username = [username]
The username
2. password = [password]
The password
3. prosupplierid = [prosupplierid] Used
as an ID in the PunchOut result
4. prosuppliername = [prosuppliername]
Set to a descriptive name for the ID stated above
5. buyercookie = [buyercookie]
Set as an additional identifier for the PunchOut login.
6. submiturl = [submiturl]
A URL/Internet address your PunchOut result is to be sent to.

NB! All the parameters listed above are compulsory.

The username and password are the same as were used to log into the Elektroskandia Webshop. This means that to use PunchOut from the Elektroskandia Webshop, you need to be a registered e-commerce customer.

Example of Url:

[https://www.elektroskandia.se/remotelogin.aspx?username=\[username\]&password=\[password\]&prosupplierid=SupplierIDTest&prosuppliername=SupplierNameTest&buyercookie=BuyerCookieTest&submiturl=PunchoutResponseTest.aspx](https://www.elektroskandia.se/remotelogin.aspx?username=[username]&password=[password]&prosupplierid=SupplierIDTest&prosuppliername=SupplierNameTest&buyercookie=BuyerCookieTest&submiturl=PunchoutResponseTest.aspx)

Result of PunchOut

The character table used for the result that is returned to the buyer's purchasing system is in accordance with ISO-8859-1.

The XML result of the PunchOut is validated against a DTD (Document Type Definition) to be found at <http://xml.cxml.org/schemas/cXML/1.2.012/cXML.dtd>. Remember that this specification does not use all elements stated in the DTD that is used for validating the result, as well as in the general description of the cXML specification that is to be found at <http://www.cxml.org>

Description of field

Field name	Explanation	Obl.	Rep.
cXML			1:1
@payloadID	The message ID number	*	
@timestamp	The date and time when the message is sent.	*	
@xml:lang	Constant value 'SV' stated for Swedish	*	
@version	Leave blank	*	
Header			1:1
From			1:1
Credential			
@domain	Always set to ' PROSUPPLIERNAME '	*	
Identity	The value that was sent in the prosuppliername parameter at login	*	
Credential			
@domain	Always set to ' PROSUPPLIERID '	*	
Identity	The value that was sent in the prosupplierid parameter at login	*	
To			1:1
Credential			
@domain	Always set to ' VATNO '	*	
Identity	The company reg. no. of the receiver	*	
Credential			
@domain	Always set to ' NAME '	*	
Identity	Name of the receiver	*	
Sender			1:1
Credential			
@domain	Always set to ' VATNO '	*	
Identity	The sender's VAT reporting number	*	
UserAgent	NOT used, left blank		
Message			1:1
@deploymentMode			
PunchOutOrderMessage			1:1
BuyerCookie	The value that was sent in the Buyercookie parameter at login	*	

PunchOutOrderMessageHeader			
<code>@operationAllowed</code>	Constant value, ' create '	*	
<code>@quoteStatus</code>	Constant value ' final '	*	
Total		*	
Money	Total sum	*	
<code>@currency</code>	Currency code, always set at ' SEK '	*	
Tax		*	
Money	VAT sum	*	
<code>@currency</code>	Currency code, always set at ' SEK '	*	
Description	Constant value ' VAT '	*	
<code>@xml:lang</code>	Constant value ' sv '	*	
ItemLn			1:*
<code>@quantity</code>		*	
<code>@lineNumber</code>		*	
ItemID		*	
SupplierPartID	The seller's item no.	*	
ItemDetail		*	
UnitPrice		*	
Money	The item price	*	
<code>@currency</code>	Currency code, always set at ' SEK '	*	
Description	Designation of the item	*	
<code>@xml:lang</code>	Constant value ' sv '	*	
ShortName	Short designation of the item	*	
UnitOfMeasure	The item unit: ST, FP, etc.	*	
Classification		*	
<code>@domain</code>	Classification value; not used. Always blank.	*	
Extrinsic	External item number, if any	*	
<code>@name</code>	Constant value ' COMMENTS '	*	
SupplierID	The value that was sent in the supplierid parameter at login	*	
<code>@domain</code>	Constant value ' VATNO '	*	
Tax		*	
Money	The VAT sum for the line	*	

@currency	Currency code, always set at ' SEK '	*	
Description	Constant value ' VAT '	*	
@xml:lang	Constant value ' sv '	*	
TaxDetail		*	
@category	Constant value ' VAT '	*	
@percentageRate	Constant value ' 25 ' for the VAT rate	*	
TaxAmount		*	
Money	The VAT sum for the line	*	
@currency	Currency code, always state ' SEK '	*	

Examples of a login form and result:

```
<form method="get" action="RemoteLogin.aspx" id="Form1">
    <input type="hidden" name="username" value="[username]" />
    <input type="hidden" name="password" value="[password]" />
    <input type="hidden" name="prosupplierid" value="SupplierIDTest" />
    <input type="hidden" name="prosuppliername" value="SupplierNameTest" />
    <input type="hidden" name="buyercookie" value="BuyerCookieTest" />
    <input type="hidden" name="submiturl" value="PunchOutResponseTest.aspx" />
    <input type="submit" value="Logga in" />
</form>

<?xml version="1.0" encoding="ISO-8859-1" standalone="no"?>
<!DOCTYPE cXML SYSTEM "http://xml.cXML.org/schemas/cXML/1.2.012/cXML.dtd">
<cXML payloadID="ID10038R1YvNu3SRFaHFE20071220134716" timestamp="2007-12-20T13:47+01:00" xml:lang="SV"
version="">
    <Header>
        <From>
            <Credential domain="PROSUPPLIERNAME">
                <Identity>SupplierNameTest</Identity>
            </Credential>
            <Credential domain="PROSUPPLIERID">
                <Identity>SupplierIDTest</Identity>
            </Credential>
        </From>
        <To>
            <Credential domain="VATNO">
                <Identity>666666-6661</Identity>
            </Credential>
            <Credential domain="NAME">
                <Identity>DEMOKUND INTERNET</Identity>
            </Credential>
        </To>
        <Sender>
            <Credential domain="VATNO">
                <Identity>SE556014841201</Identity>
            </Credential>
            <UserAgent/>
        </Sender>
    </Header>
    <Message deploymentMode="test">
        <PunchOutOrderMessage>
            <BuyerCookie>BuyerCookieTest</BuyerCookie>
            <PunchOutOrderMessageHeader operationAllowed="create">
                <Total>
                    <Money currency="SEK">18.50</Money>
                </Total>
                <Tax>
                    <Money currency="SEK">4.63</Money>
                
```

```

        <Description xml:lang="SV">VAT</Description>
    </Tax>
</PunchOutOrderMessageHeader>
<ItemIn quantity="1" lineNumber="1">
    <ItemID>
        <SupplierPartID>1400800</SupplierPartID>
    </ItemID>
    <ItemDetail>
        <UnitPrice>
            <Money currency="SEK">18.50</Money>
        </UnitPrice>
        <Description xml:lang="SV">RAKA RÖR M.MUFF IBVVM 16<ShortName>RAKA
RÖR M.MUFF IBVVM 16</ShortName>
        </Description>
        <UnitOfMeasure>ST </UnitOfMeasure>
        <Classification domain="" />
        <Extrinsic name="COMMENTS" />
    </ItemDetail>
    <SupplierID domain="VATNO">SupplierIDTest</SupplierID>
    <Tax>
        <Money currency="SEK">4.63</Money>
        <Description xml:lang="SV">VAT</Description>
        <TaxDetail category="VAT" percentageRate="25">
            <TaxAmount>
                <Money currency="SEK">4.63</Money>
            </TaxAmount>
        </TaxDetail>
    </Tax>
</ItemIn>

</PunchOutOrderMessage>
</Message>
</cXML>

```