

EDI Webservice Price files

Guide for Convena partners

Your stock in one click

This document describes Convena Distribution's capabilities in electronic data interchange and how to get started with only a few clicks from your end.

For a successful integration, please make sure to fill out the questionnaires at the last pages of this document and return it to the EDI department of Convena Distribution. Thank you!

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Purpose

The exchange of electronic documents, and the feed of live data in the corporation between companies, is becoming increasingly important when building business relations.

EDI “Electronic Data Interchange” is of a strategically high priority for Convena, which is why we are now able to support a number of different formats, transport methods and information levels.

This document will give you all the details needed to adapt your EDI solution to match Convena EDI – fast and easy.

Table of Contents

- Introduction 4**
- Should my company integrate with Convena?. 5**
 - Cost of implementation 5
 - Strategic benefits 5
 - Optional benefits. 6
 - Improved order fulfillment. 6
- Next step: Initiate EDI cooperation 7**
 - Price / inventory file 7
- Webservice 8**
 - Webservice calls 8
- EDI Documents 8**
 - EDI transports 9
 - HTTP / HTTPS Handler 10
 - EDI information sheets. 11
 - Price / inventory file 11
 - Delivery options 12
 - EDI Documents. 12
 - Send / receive from Convena FTP 13

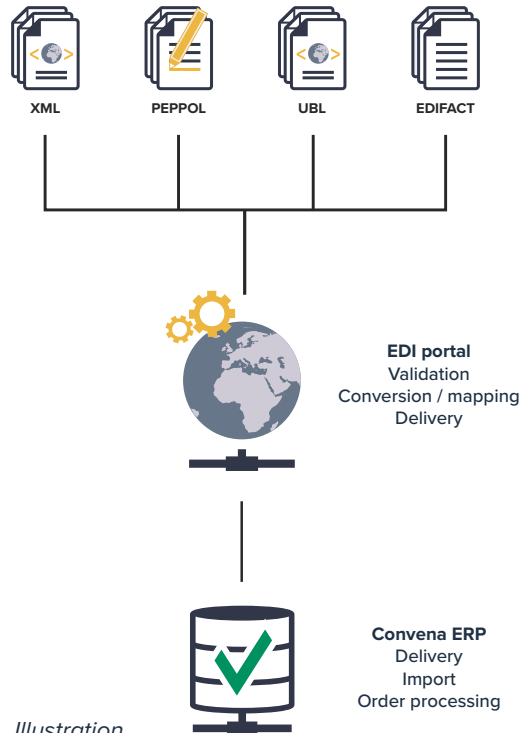
Introduction

When exchanging EDI documents with Convena Distribution the partner will, in fact, be communicating with a web portal specially designed to handle any format our partners should choose for exchanging information.

The web portal is built on a Microsoft BizTalk server with all the capabilities that follow this software. Each partner connected to the web portal are set up with a unique profile ID. Each profile ID have a number of transports, distributions and mappings attached.

With these information the portal track who is delivering a given document and process it with the following steps.

1. Validation of the sender
2. Validation of the EDI document, does it meet the standard needed
3. Conversion / mapping to alternative format (if needed)
4. Validation of the new converted EDI document
5. Delivery of the document to the receiver



All 5 steps are with full error handling to the appropriate receiver.

Illustration

Should my company integrate with Convena?

As EDI is not required to do business with Convena Distribution, the decision to use EDI depends on your company's abilities, volume and preferences. For example, a non-EDI company may prefer the personal communication with the sales representative over the costs of EDI implementation. A company with an established eCommerce system, however, may achieve significant cost savings by using EDI.

Regardless, your company should try to make a cost/benefit analysis to make the right choice.

Cost of implementation:

Companies that already have invested in EDI do not necessarily have any upfront costs, other than personnel costs to creating and testing EDI maps, as well as establishing and maintaining connectivity with the Convena EDI portal.

Customers new to EDI will most likely have costs when initiating an EDI solution. Costs can vary depending on the type of EDI solution you choose. There are four main areas to consider:

- Preparing for your system to handle price and inventory catalogue data from Convena
- Preparing for your system to handle price and inventory live web service data (optional)
- Establishing and maintaining server connectivity so that you can send and receive EDI data.
- Know-how when creating mappings according to Convena EDI specifications, to be able to process the standardized EDI data (EDIFACT, UBL, XML) you are exchanging with Convena Distribution.

Strategic Benefits:

Whether EDI can provide your business with strategic benefits is best answered by asking yourself some of the following questions.

- Does your company have the need or vision to generate savings and efficiency by implementing or increasing automation?

- Is the ability to meet customers and vendors demands and requirements, a driving factor in your business, perhaps an even greater factor than pricing?
- Is the timing and accuracy of the delivery of goods and services critical to your business?
- Could significantly faster delivery time to your customers with direct shipments from your supplier, be turned into a competitive advantage?
- Will being EDI-ready enable your business to penetrate new markets?
- Is customer loyalty and long term alliances a high priority for your business?

Operational Benefits:

- Real time access to item availability and pricing
- With EDI in place you should save time and money processing and executing orders
- EDI documents are processed electronically and error-free
- EDI minimize processing time and the number of staff required
- Studies have shown that it takes up to 5 times as long to process a purchase order manually as it does electronically

A properly enabled EDI system will also reduce labor time and cost in the following areas:

- Document preparation
- Error detection and correction
- Mail preparation
- Telephone calling

Improved Order fulfillment:

An EDI-based business process will provide your company with access to realtime inventory and pricing, enabling you to make more accurate decisions based on accurate information, doing direct shipments to your customer. And most importantly improve your image and customer relations through a greater trustworthiness and faster delivery.

Next step: Initiate EDI cooperation

To a successful EDI integration there are 3 steps to be taken.

1. Customer receives a price/inventory file on a regular basis that includes the Convena Item number (mandatory). The Convena Item number is very important, as this the unique number needed to place an order for a specific item.
2. Customer is activated for live price and inventory update via web service (optional).
3. Customer is able to send and receive EDI documents in one of the supported formats.

Price / Inventory file:

The price file comes in a CSV format containing the following data:

- | | | |
|-------------|----------|------------|
| □ Item | □ EAN | □ Incoming |
| □ MFP | □ Weight | □ ETA |
| □ Condition | □ Volume | □ Price |
| □ Vendor | □ Grp | |
| □ Descrip | □ Inven. | |

Example:

336655;H4D73AA;Factory Sealed;HP;HP Ultralim Keyed Cable Lock;887111228833;0.2208;0.00118;Accessories;74;100;19092014;19;

File extension: txt or csv

Field delimiter: default is “;” but can be set to any character or tab

Text delimiter: default is empty, but can be added upon request

File can be either emailed or sent via FTP according to customer requirements.

Webservice

See document Convena Webservice Specification-123.pdf.

<https://services.convena.com/App/CustomerService.asmx>

Web Service calls:

- GetCustomerPrice
- GetDocument
- GetCustomersDocuments
- GetCustomersDocumentsByCustomersRef
- GetDocumentSerial
- SubmitOrder

EDI Documents

As our main EDI format Convena has chosen a custom built XML format with the following documents available.

- Order
- Order Response / Confirmation
- Invoice
- Dispatch advice
- Credit note

Choosing the above-mentioned format will result in a relatively quick implementation. The “Convena XML” is the simplest way of communicating with Convena in EDI, and is also the format we recommend as a startup solution.

Convena also supports a number of other formats like:

EDIFACT D96A:	ORDERS, ORDRSP, INVOIC, INVPRT & DESADV
UBL:	ORDERS, ORDER RESPONSE, INVOICE, CREDITNOTE & DESPATCH ADVICE
EHF:	Order, Invoice, Despatch.
SveaFaktura:	Invoice
Open Trans:	ORDERS, ORDRSP, INVOIC & DESADV

EDI Transports:

Convena supports a number of different options for exchanging EDI documents.

By default the following transports are available:

FTP, sFTP, FTPS, FILE, HTTP, HTTPS and Direct AS2

On top of that, the EDI portal can be built to match a specific customer request. E.g. to communicate with a SOAP or WFC web service.

For security reasons each partner has to be approved and activated in the system, before an EDI transfer can be initiated.

Therefore the partner will only be able to communicate with the EDI portal, if an EDI Portal ID number has been issued.

HTTP / HTTPS Handler

The http handler can receive documents from partners to the Convena EDI portal.

The URL for the HTTP handler is:

TEST:

<http://receive-test.ediportal.dk/HttpHandler.ashx?SenderEdiPortalld=EP-00000100xx>

LIVE:

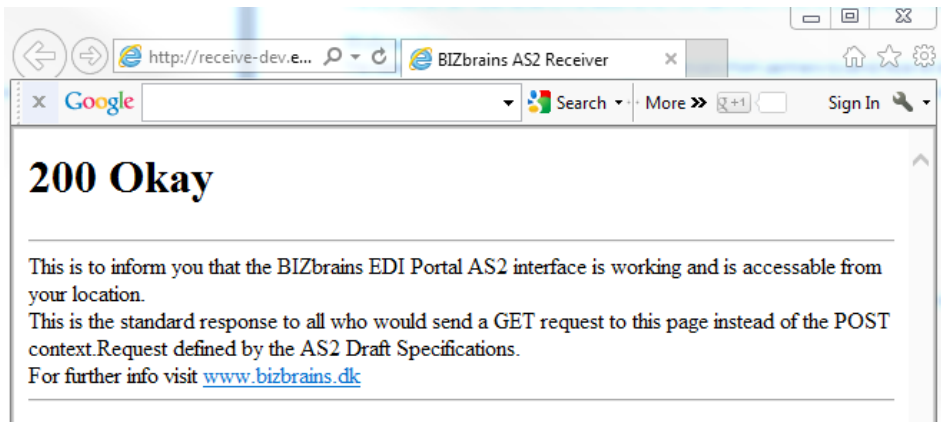
<http://receive.ediportal.dk/HttpHandler.ashx?SenderEdiPortalld=EP-00000100xx>

Where EP-00000100xx is your EDI partner ID, issued by Convena.

Once the partner ID has been issued the http handler can be tested by typing above mentioned URL in a browser which will then return a “200 Okay” if the request is a success.

The same response “200 okay” will be returned each time a document is exchanged.

The browser response looks similar to this:



The “200 Okay” is your confirmation for a successful document exchange.

EDI information sheets

Company name	
Spoken Language	
GLN number	

Business contact		Technical contact	
Name		Name	
Title		Title	
Phone		Phone	
E-mail		E-mail	

Business contact		Technical contact	
Name	Sune Lous Dusart	Name	Lean Gyllenborg
Title	CIO	Title	System Integrator
Phone	+45 3329 6005	Phone	+45 3329 6082
E-mail	sli@convena.com	E-mail	lgy@convena.com

Price / inventory file:

- Yes, we can accept the standard layout in txt or csv.
- We need a custom layout with the following specs.

Field delimiter:

Text delimiter:

File extension:

Layout:

Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8	Field 9	Field 10

- Headers must be included in the file

Delivery options:

<input type="checkbox"/>	SMTP e-mail address:		
<input type="checkbox"/>	FTP server address:		
		FTP user:	
		FTP password:	

EDI documents:

We want to include the following documents and formats in our EDI solution with Convena:

Document	Convena XML	EDIFACT	UBL	OPEN TRANS	Other
<input type="checkbox"/> Order	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Order Response	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Invoice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Credit note	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Send/Receive from Convena FTP

We want to send and receive via the below marked adapters:

Adapter		Details				
<input type="checkbox"/>	FTP / FTP's upload					
<input type="checkbox"/>	FTP / FTP's download					
<input type="checkbox"/>	HTTP / HTTPS POST	<table border="1"> <tr> <td data-bbox="512 608 762 660">USER NAME</td> <td data-bbox="762 608 1020 660"></td> </tr> <tr> <td data-bbox="512 660 762 713">PASSWORD</td> <td data-bbox="762 660 1020 713"></td> </tr> </table>	USER NAME		PASSWORD	
USER NAME						
PASSWORD						
<input type="checkbox"/>	GLN through VANS	Please provide VANS partner				
<input type="checkbox"/>	Nemhandel (only Danish customers)					
<input type="checkbox"/>	Other	Please specify				

For a successful implementation of EDI, please provide us with as many details as possible.

Thank you.

Convena Distribution A/S
eCommerce Team