E-Supplier
Information for Siemens Vendors - Exchange of business transactions via EDI

https://webedi.siemens.de/web4bis
Contents

Overview of EDI ....................................................................................................................................... 3
Supported Message Types and Processes ............................................................................................. 4
Benefits of EDI for Suppliers ................................................................................................................. 5
EDI with Siemens – Two Integration Concepts ...................................................................................... 6
Web4BIS - Overview ............................................................................................................................... 7
Web4BIS - Functions ............................................................................................................................... 8
Classic EDI - Overview .......................................................................................................................... 10
Setup Process Web4BIS ........................................................................................................................... 12
Setup Process Classic EDI ....................................................................................................................... 13
Further Links and Information ............................................................................................................... 14
Contacts ................................................................................................................................................. 15
Overview of EDI

What is EDI?

- The term Electronic Data Interchange refers to the electronic exchange of structured business data between different data processing systems without human (manual) intervention, using defined standards.

Which EDI standards are there?

- Industry standards (e.g. xCBL, RosettaNet,...)
- Sector dependent standards (e.g. Odette in automobile industry,...)
- Sector independent standards (e.g. ANSI X12, UN/EDIFACT,...)

Which EDI standards does Siemens use?

- Based on its international presence and cross-sector business fields, Siemens has defined UN/EDIFACT as the corporate standard for EDI (SES - Siemens EDIFACT Standard)
- In addition, Siemens uses SAS (Siemens ANSI X12 Standard) and DIN5XML in the electronic data exchange
Supported Message Types and Processes

The set of messages exchanged with the suppliers consists of the following trade messages:

- ORDERS (purchase order)
- ORDCHG (purchase order change)
- ORDRSP (order acknowledgement)
- INVOIC (invoice, credit note), SBI (self-billing invoice)
- DELFOR (delivery schedule, delivery forecast, delivery forecast response)
- DESADV (dispatch advice, ready for shipment note)
- INVRPT (inventory report)

These messages support the purchasing process, the delivery schedule process and consignment stock processes.

The messages are compatible with the current SES corporate standard.
Benefits of EDI for Suppliers

There are several reasons and advantages to agree the exchange of EDI-messages with Siemens:

- The EDI connection is free of charge (Classic EDI + Web4BIS)
- Increases the strategic relevance of the supplier for Siemens
- The depth of integration in the processes is scalable with two connection concepts (Classic EDI and Web4BIS)
- Reduction of process costs (e.g. postal charges, administration, further enquiries, etc.)
- Process transparency
- Avoidance of administrative activities not delivering any value
- Reduction of processing times
- Quicker response times
- Reduction of error sources
EDI with Siemens – Two Integration Concepts

Siemens offers vendors two integration methods for EDI: Web4BIS and Classic EDI.

**Web4BIS** is an Internet based tool for EDI message exchange. The suppliers login into the Web4BIS application with their access data, using a standard Internet browser they can view the Siemens EDI messages and create their own EDI messages. In addition, the supplier can print messages in PDF format and download them in DIN5XML format.

**Classic EDI** refers to the complete electronic integration. EDI messages are directly transmitted to the supplier in the SES/DIN5XML/SAS format via defined communication channels and are loaded directly into the supplier’s ERP system. This procedure does not require any manual intervention or processing by the receiver as the communication is automated.
Web4BIS - Overview

- Communication between CS EDI and supplier on the basis of Internet based forms
- No direct communication required
- Displaying and sending of messages
- Internet as communication platform

Only a computer, a standard browser and an Internet connection are required.

Advantage: small suppliers or suppliers without their own EDI infrastructure or ERP systems can participate in the Siemens EDI process
Web4BIS - Functions

Web4BIS offers suppliers the following functions:

- Display of EDI messages with the help of Internet based forms, PDF downloads (for archiving and printing) and XML message downloads

- Easy creation of EDI messages in the tool via button (order confirmation, delivery note, invoice), only a few fields need to be amended or filled by the supplier, all the information from the purchase order is taken over and preset in the system

- Overview of statuses of current orders by automatically consolidating information of complete orders and order changes as well as the integration of information on already confirmed, delivered and invoiced quantities, prices and dates

- Individual administration of own account by supplier (create, delete and update persons working with the account on the part of the supplier)

- Supervisor access for customers/purchasers at Siemens: reading access to own orders in the supplier’s account for further enquiries and clarification (voluntary on supplier side)

- Transmission of technical documents or attachments in the purchase order (currently only for Siemens Energy suppliers)

- Folder administration: the system offers the supplier four folders for organizing the order processing that can be individually named by the supplier. Order transactions can be moved/saved within these folders
Message default values: certain entries frequently made by the supplier in invoices and delivery notes can be preset by the supplier and then easily selected when creating the message instead of entering them anew every time.

Message types ORDERS, ORDCHG, ORDRSP, DESADV and INVOIC can be used in the order process.

Message types ORDERS, ORDCHG, DELFOR (as well as DELRSP), DESADV and INVOIC can be used in the schedule process.

An upgrade from Web4BIS to Classic EDI is possible at any time.

To get an overview about functionalities and usability in advance, please find below the link to the web-based training and user manual.

Web-based training:  
https://webedi.siemens.de/wbt/w4b/Webbase_Training_en.html

Web4BIS user manual:  
Classic EDI - Overview

Technical transmission/communication

CS EDI offers a wide range of communication protocols, for the technical transmission of Classic EDI messages, from which the supplier can choose the best applicable method. The protocols are:

- SMTP
- OpenFT
- OFTP
- AS2
- HTTPs
- FTPs
EDI Message Formats

Siemens offers three possible message formats. The supplier can choose the most suitable message format. The current message formats are:

- SES (Siemens EDIFACT Standard, Directory D.10A)
- SAS (Siemens ANSI Standard)
- DIN5XML (proprietary XML format, based on segment names of EDIFACT)

The prerequisite for obtaining the Siemens EDI specifications and guidelines is that the vendor has signed the EDI Agreement and the Siemens requestor has submitted the setup request. Once the setup request has been received by CS EDI, CS EDI will provide access to the SES Docu for the vendor so that they can download the Siemens EDI specs.

Costs and Effort

The connection via Classic EDI is free of charge as long as the supplier uses the formats offered by Siemens.

The supplier must convert these formats. If the supplier cannot convert them, they can use an external service provider for this task. However any additional costs resulting from this must be borne by the supplier.
Setup Process Web4BIS

Step 1: Siemens and the supplier agree on the exchange of EDI messages within the order-to-cash process
Result: EDI Agreement is signed
Responsible: Siemens purchasing department & supplier

Step 2: Submission of the EDI setup request via Siemens-internal tool
Responsible: Siemens purchaser

Step 3: Siemens Corporate Service EDI sets up a Web4BIS-account
Responsible: Siemens Corporate Service EDI

Step 4: Siemens Corporate Service EDI provides login-data to the supplier; i.e. password and further instructions for the supplier’s Web4BIS-account
Responsible: Siemens Corporate Service EDI

Step 5: Scheduling go-live
Responsible: Siemens purchasing department & supplier
Setup Process Classic EDI

Step 1: Siemens and the supplier agree on the exchange of EDI messages within the order-to-cash process
Result: EDI Agreement is signed
Responsible: Siemens purchasing department and Supplier

Step 2: Set-up of the communication via defined file transfer protocols between Siemens and supplier
Responsible: Siemens Corporate Service EDI and Supplier

Step 3: Sending of initial test messages (purchase order or others)
Responsible: Siemens purchasing department

Step 4: Supplier develops mappings for the agreed message types and send applicable test response messages (e.g. order response, dispatch advice, invoice)
Responsible: Supplier or supplier’s EDI service provider

Step 5: Review of syntactic accuracy of the message
Responsible: Siemens Corporate Service EDI

Step 6: Review of content accuracy of the messages in SAP and possible repetition of the test scenario, based on required supplier corrections
Responsible: Siemens purchasing & accounting department and Supplier

Step 7: Acceptance of the messages and Scheduling of go-live
Responsible: Siemens purchasing department and Supplier
Further Links and Information

Web4BIS application (English):
https://webedi.siemens.de/web4bis/login.do;?language=EN

Web4BIS user guide:

Web4BIS web-based training:
https://webedi.siemens.de/wbt/w4b/Webbase_Training_en.html

Information package for supplier:
Contacts

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