



Data exchange and Conversion – EDI from the Cloud

OPERATIONAL SCENARIO – AN INSIGHT

The EDI platform clearDAX is a clearing service solution for all industries - with the main focus on the automotive industry - for exchange and conversion of logistic data. Our services provide you the option to outsource your EDI project. We undertake for you only the exchange – sending and receiving – of logistic data or additionally the conversion of messages by means of translation tables (mappings).

THE BASIC ADVANTAGES – AT A GLANCE

- You work exclusively in your ERP system
- You need no IT infrastructure for your EDI solution
- You need only one solution to fulfill any EDI requirements of your business partners
- You can realize the complete order-, delivery- and invoice processes with EDI.
- You avoid mistakes, save time and therewith resources as no manual inputs are needed

THE MAIN FUNCTIONS – AN OVERVIEW

Our clearDAX platform complies with the latest technical state of the art and is operated by a computer center, certified according to ISO 27001. The software in use has furthermore a modular structure allowing you to book various module functions additionally to the services.

The following main functions are in use:

- **Exchange of data**
There are several transmission ways for data exchange with a communication partner.
- **Connection of your company to clearDAX**
 - a) If you have your own communication system in use, you transfer your data from your ERP system to your system and send them by means of any desired transmission way to our system.
 - b) If you have no communication system you transfer your data automatized from your ERP system to our FTP server, which is integrated in clearDAX. The communication connection can be encrypted using SSL. The receipt of a file can be confirmed via email.
- **Connection of communication partners to clearDAX**
Several protocols can be used for data exchange between clearDAX and communication partner. Every communication event will be logged and monitored. If an error occurs, we start the according remedy measures, depending on the kind of error. If need be you can as well be informed via e-mail on all successful or erroneous exchange events. All data, received or sent, are archived for a period of 120 days and then deleted. Upon request can the archiving period be extended.
- **Conversion**
After the receipt of data, the conversion is carried out automatized in the core of the clearDAX platform. For this purpose the mappings – mentioned before – are used. These mappings translate automatized the data provided according to communication partner or message format. Conversion and transfer will be logged and the converted file will be archived.

▪ **Mappings**

To prepare conversions, so-called translation tables or mappings must be generated. For every communication partner and every file format in use a mapping must be generated, which converts every position of a source format to the according position of the target format. Missing static information can be added through so-called look-up tables. Your specific requirements as well as those of your communication partners will of course be respected. The generation of mappings is carried out in close cooperation with the person in your company who is responsible for ERP and one of our EDI consultants. Any structured file format can be used.

In the automotive industry and other industries the following formats prevailed:

- IDOC data (SAP R/3)
- EDIFACT messages
- VDA messages
- ANSI messages
- XML messages of any relevant form
- ODETTE messages

The following ERP systems can be connected by standard:

- SAP
- Microsoft Dynamics NAV (Navision)
- Infor
- ABAS
- proAlpha
- Wincarat
- Comarch (früher Soft M)
- IFS
- FEPA
- and many more.

THE ADDITIONAL FUNCTIONS – A FORESIGHT

Special forwarding mechanisms on the base of defined criteria

When data are sent or received they can be forwarded to additional partners on the base of special criteria. This can go in to action when a delivery note file should be sent to an OEM and simultaneously to an external service provider.

Special process mechanisms on the base of special criteria

Prior to or when sending or receiving a file a follow-up process can be activated on the base of special criteria.

Administration of missing static information by means of look-up tables.

If your ERP system is not able to provide certain static data, which are however needed for the conversion to a target format, they can be added by us by means of so-called look-up tables.

product scenario

