Lower costs, greater flexibility

**Electronic Data Interchange (EDI):
Optimisation of business processes
through data exchange**

OSRAM

Faster, more transparent, more cost-effective – EDI!

What is EDI – and what are the benefits?

EDI (Electronic Data Interchange) refers to the electronic exchange of data between business partners via standardised communication paths (e.g. GXS mailbox) and standardised message formats (e.g. ORDERS = order) which have been defined by relevant organisations (e.g. VDA, UN).

➲ The **absence of manual intervention**

➲ means that the **error quota is reduced,**

➲ the **throughput time is cut,**

➲ all the **processing can be fully automated**

➲ and **traceability is improved.**

➲ **Valuable human resources** can be deployed elsewhere.

The benefits of EDI

EDI saves time and personnel, makes business processes more transparent and traceable, helps optimise workflows, creates synergies – and can be implemented quickly and easily with standardised technologies.

+ Automated
Electronic Data Interchange removes the need for manual processes such as recording incoming invoices. Automated processes take less time and need less manpower.

+ Transparent
Electronic feedback (e.g. order responses), which is made available for the partner-specific enterprise resource planning system (ERP), improves transparency for the various departments. Use of the inhouse IT infrastructure and associated logging ensures that the technical processes can be traced.

+ Integrated
By using the partner-specific enterprise resource planning system (ERP), employees can make use of their existing knowledge and optimise the workflows. There is no need to use external systems.

+ Standardised
The use of common internationally accepted standards makes communication easier when implementing and supporting EDI connection.

— These properties make EDI a cost-effective way of mapping business processes between business partners.

Our demands for EDI processing

Quality, cooperation, openness, cost reductions

- We work closely and directly with our business partners. Clear agreements are made regarding cooperation. These agreements are binding for us so that our objectives can be achieved quickly, directly and to our satisfaction.

- To ensure high quality, professional employees from the business departments and from IT departments work closely together. Coordination of these employees with respect to our business partners is handled by a central contact.

- We are open to new technologies and standards and implement them in our monitored and automated IT environment.

- Intensive communication and a high level of integration are the basis for rapid action and reduced costs.

All we need – and all very simple

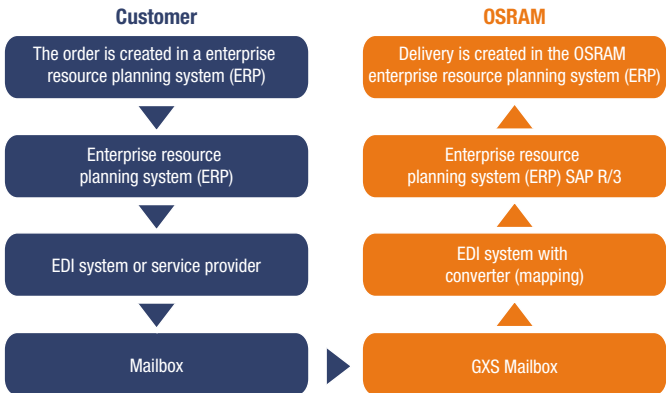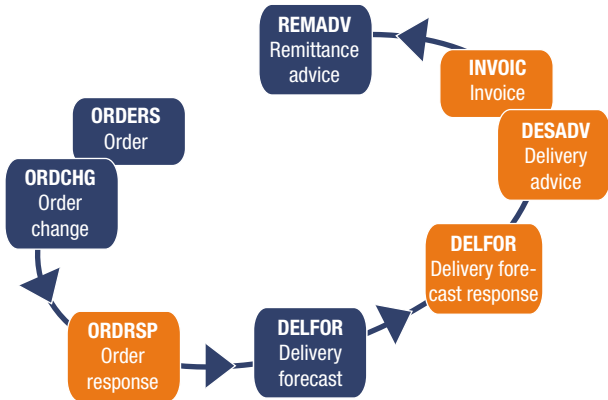## What information can you exchange with us via EDI?

EDI is synonymous with fully automated communication. With EDI it is possible to map all the business processes between business partners. For example, you create an order in your enterprise resource planning system (ERP). The order is then automatically transmitted to OSRAM and you receive an order response which is automatically processed in your enterprise resource planning system (ERP).

What do you need for EDI?

To keep the "expense" for our partners as low as possible we use tried and tested techniques for EDI processing. At present, we use mainly the following message standards (= content structure of the data) and communication standards (= data transmission):

• Message standards: CAP, UN-EDIFACT, VDA
• Communication standards: AS2, GXS, SBS, X.400

What if your preferred technique is not in the list? No problem. We have extensive commercial and technical expertise and many years of experience in the EDI environment so we can give you excellent support.

EDI message cycle

- **REMADV** Remittance advice
- **INVOIC** Invoice
- **DESADV** Delivery advice
- **DELFOR** Delivery forecast response
- **DELFOR** Delivery forecast
- **ORDRSP** Order response
- **ORDCHG** Order change
- **ORDERS** Order

Customer	OSRAM
The order is created in a enterprise resource planning system (ERP)	Delivery is created in the OSRAM enterprise resource planning system (ERP)
Enterprise resource planning system (ERP)	Enterprise resource planning system (ERP) SAP R/3
EDI system or service provider	EDI system with converter (mapping)
Mailbox	GXS Mailbox

One central point of contact

For existing EDI connections
If there is an existing EDI connection, a central contact person will be appointed for both commercial and technical queries. This contact person has access to other specialists in the various departments and in IT. You will then receive all the information you need from a single source.

For new EDI connections
To obtain further information on EDI or to agree on a date for a meeting with OSRAM, you can contact your customer support assistant the OSRAM EDI team directly.
CSSP.Support@osram.de

Small EDI glossary

- CAP: Common Aftermarket Protocol (= message standard)
- EDI: Electronic Data Interchange
- EDIFACT: Electronic Data Interchange for Administration, Commerce and Transport
- GXS: Global Exchange Service (= service provider)
- IDOC: SAP interface
- Mapping: format conversion (= conversion)
- SBS: SIEMENS Business Services (= service provider)
- UN: United Nations (= organisation that defines message standards)
- VDA: German Automobile Industry Association (= organisation that defines message standards)

You have our full support:
CSSP.Support@osram.de

?
! Are your interested?
Have you got any questions?
Do you have any suggestions?

You can contact the OSRAM EDI team at any time at:

CSSP.Support@osram.de
http://www.osram.de/edi
http://www.osram.com/edi

For information on the opportunities that our extranet can offer
you go to:

www.osram.de/myosram.html

OSRAM GmbH

Head Office
Hellabrunner Str. 1
D-81536 Munich
Tel.: (0 89) 62 13 - 0
Fax: (0 89) 62 13 - 20 20

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