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### **Institute of Logistics and Warehousing** e-Economy Centre

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### e-Procurement System

Ordering Party:

**UNIDO Vienna International Centre** 

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Procurement is the process of purchasing production components, raw materials and other goods necessary for operating of a company. It includes:

- Supplier selection,
- Placing an order for goods and services,
- Gaining acceptance of delivery department,
- Processing an order for purchase,
- Order realisation,
- Delivery,
- Receipt,
- Payment.

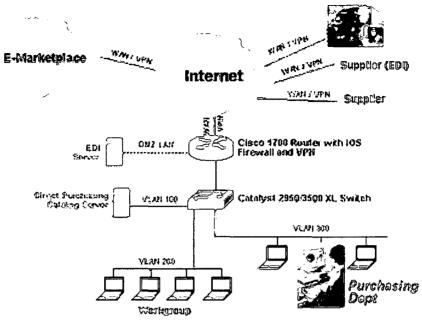
In case of e-Procurement, the process of purchasing is realised with the use of internet technologies. E-Procurement is the solution for more effective money management, accelerating money circulation in the economic cycle, improving precision and unanimity of flowing data and decreasing administration costs.

e-Procurement system enables to realise the process of purchase without paper documents. The proposed solutions are fully self-service internet systems that improve concluding agreements between suppliers and purchasers and make the critical data supporting purchase decisions available. The abilities of e-Procurement vary from simple on-line buying to the full participation in electronic commodity market.

e-Procurement system is therefore the way of organisation of delivery process on the basis of electronic data interchange. It is supported by system solutions of internet network that enables effective co-operation between buyer and seller.

The circulation of documents (order, order confirmation, advice note, invoice) is automatic and electronic. Employers of all company departments get the access to the uniform purchase service. e-Procurement system embraces the whole delivery process.

Fig.1 presents the scheme of dimensional computer network of e-Procurement system.



Company Headquarters

Fig.1. The scheme of dimensional computer network of the e-Procurement system.

e-Procurement system requires safe connections between partners. Fig.1 presents routers equipped with optional modules of VPN (Virtual Private Network) that offer ciphering with the use of algorithms DES and 3DES (3DES is the most effective available ciphering algorithm) with the speed of the interface (T1/E1). At the same time it secures flowing data. The network administrators may implement more advanced systems of protection of data, improve efficiency of the network and create virtual local networks (VLAN).

### 1. ORGANISATIONAL AND FUNCTIONAL PROJECT OF E-PROCUREMENT SYSTEM

e-Procurement system of interchanging data between companies of selected economic branches (e.g. spare parts producers) requires the tools for placing data about the company and its products. Furthermore, it needs the tools for placing information about possibilities of the order realisation, contact data for commercial documents interchange (order, order confirmation, advice note, invoice) and building integrated supply chains.

The system fulfills the standards of data interchange EAN-UCC (e.g. GLN - Global Location Number, EDIFACT communiqués) and constitutes the platform of cooperation and realisation of international economic processes.

The project of e-Procurement system includes:

- supplier database (sellers),
- product database (spare parts),
- client database (buyers),
- mechanism of concluding agreements (purchase, order realisation, commercial documents interchange, monitoring of order state),
- administrator module serving for managing data and catalogue's clients,
- interface for interchanging data in the process of procurement.

The proposed system was adjusted to the requirements of producers and distributors of spare parts and vehicle accessories in order to create electronic platform in motor industry. The functional and informatics scheme of the system is presented in Fig. 2.

### MOTOR INDUSTRY e-Procurement System PLATFORM - spare parts and vehicle accessories

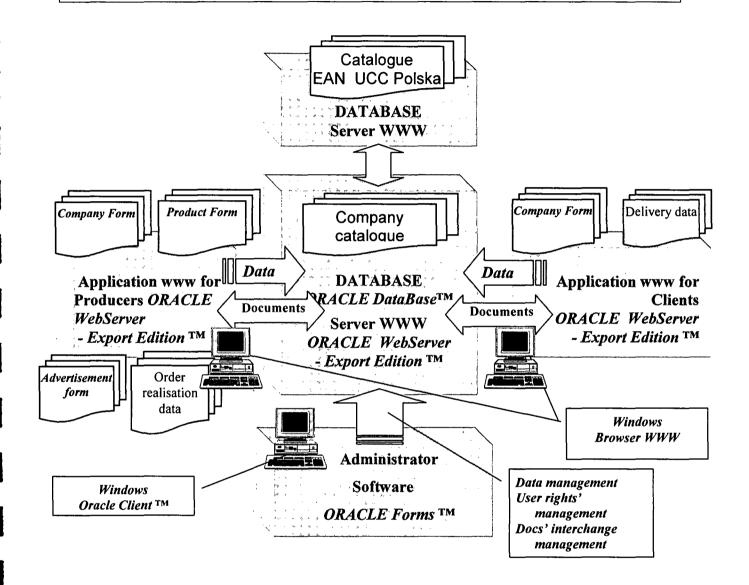


Fig. 2. Functional and informatics scheme of the e-Procurement system

There are two groups of participants of the system: system administrator and system user.

For the system user the webpage of the system has the following functionalities:

 unrestricted access to the information resources - browsing suppliers and their products,

- restricted access authenticated by the user account and the entered password (entitlement to full commercial agreement),
- entering contact data of the company with the use of electronic forms (register form) and data about company's products (possibility of modifying and deleting data),
- possibility of reserving the right for access to contact data,
- browsing the internal catalogue of products offered by producer, distributor, wholesaler, retailer etc. by:
  - the name or part of the name of a product,
  - the branch and group of a product,
  - selected company,
  - product label (e.g. EAN.UCC);
- browsing the catalogue of companies by:
  - the name or part of the name of a product,
  - the branch and group of a product,
  - localisation town, street etc.,
  - product label,
  - localisation label (EAN.UCC),
- ordering products selected from the internal catalogue and dispatching the products to the addressee,
- browsing the placed orders and tracking the realisation of orders according to the state of order:
  - order already placed,
  - order accepted to realisation after confirmation,
  - order in the process of preparing and delivering the dispatch after notifying,
  - order realised after forwarding the invoice.
- realising full and safe purchasing selling,
- interchanging commercial communiqués/documents: order, order confirmation, changes, advice note, invoice,
- browsing and searching communiqués,
- placing advertisements about the company and its products on the website,

- working in a selected language (Polish, English, German),
- working with the use of applications available in the internet.

For the system administrator the webpage of the system has the following functionalities:

- access to the database entering, editing, modifying and deleting data,
- managing the user of the system:
  - adding new system users and allocating new accounts,
  - restricting/unrestricting access to the user's account temporary option,
  - connecting the users in groups of supply chains and co-operation; the groups have the access to the separated intranet channels of individual communication; entitling the users to the access to the group of offers,
- \* monitoring the users' work the number of given and paid XML communiqués, browsing communiqués, the number and value of transactions,
- using the applications available through *Oracle Client*,
- the administrator language is Polish, English or German.

The informatics environment includes:

- ❖ the database managing system and database ORACLE DataBase™ servers of database
- ❖ server www ORACLE WebServer - Export Edition™ enabling internet communication between server of the system and the users.

Three elements constitute the informatics platform of the e-Procurement system: Oracle Database Enterprise Edition, Oracle Web Application Server with the system RDBMS (for managing relative databases), and Oracle Client (installed on the administartor's PC). It is professional, effective and safe database operating on the operation system, e.g. Windows NT. Oracle Database is dedicated to building data wholesales and to the systems processing data. The set of tools used for producing the user application constitute: Oracle Designer and Oracle Developer:

\* Oracle Designer - supports graphic modeling of complex informatics systems (process engineering, analysis, designing),

Oracle Developer - enables fast and cheap construction of complex applications supported by common repository, flexible service of different modeling methods and open portable architecture of informatics system.

The tools Oracle Migration Assistant employed for migration of data and applications from the environments of Microsoft Access, Microsoft SQL Server and Sysbase, enable unfailing intersystem engineering, replication and transmission of other data (including databases of companies or other procurement systems').

In the Oracle informatics system, the layer of application linking Oracle8 Client (user) with Oracle8 Database (server) is placed between the layer of the user and the layer of database. Its main task is to carry out the programmed logical algorithms. In addition, it balances the overloaded server in case of more than one application server. This layer consists of a few elements installed along with the database:

- Server of forms and reports Oracle Forms and Report Server,
- Internet server Oracle Web Application Server.

Oracle Forms Server ensures communication between the form currently highlighted on the user's screen and the database server and downloads necessary data. Oracle Forms Server directs screen forms to JVM (Java Virtual Machine) operating on the user's PC (Oracle Client), highlights data in this form and changes data on the basis of the information provided by the user. Furthermore, Oracle Forms Server cumulates data and highlights them on the screen when rewinding the list of transactions, offers, clients etc. It allows optimisation of the motion in local network of the e-Procurement system. Oracle Web Application Server is in charge of maintaining the calls for HTTP coming from the browser of the user. The calls are directed to the Web Listener Process being the part of the Web Oracle Application Server. This process analyses the syntax of the calls for HTTP and on this basis it returns HTML page to the user's browser or directs the call to Web Oracle Application Server and to the proper module of system software (ConText Cartridge). The application's logic is realised by the procedures stored in the database of the server and called by PL/SQL Cartridge (module Web Oracle Application Server).

Working with web pages of the system requires the browsers serving JavaScript language, such as Microsoft Internet Explorer or Netscape.

### 2. FUNCTIONALITIES OF THE E-PROCUREMENT SYSTEM

The system consists of three modules realising the functions specified in the "Terms of Reference".

Module A - allows to insert the delivery inquiry by the purchase departments. It aims to facilitate the Polish producers to contact with the purchase department of the vehicles' producers or the first level suppliers owning factories or the purchase departments in Poland. It also aims to facilitate the Representatives of those companies to search for the Polish producers of vehicles' parts, that would like to deliver for the first assemblage or produce under the purchaser's brand.

Functions realized by the system in this module

- 1. Registration of the purchase departments of the companies searching for suppliers in the system.
- 2. Entering the delivery inquiries into the system and deleting them after the sellby date.
- 3. Mailing through the system the information to the parts' producers about the received delivery inquiry. The delivery inquire is mailed to the producers that produce the parts searched through the system.
- 4. Searching for the delivery inquiry by either the purchase department name or the name of a part.
- 5. Searching for the address of the purchase departments.

Module B should facilitate the Polish producers to contact with the distributors and service networks' offices.

Functions realized by the system in this module

- 1. Registration of the distributors or service networks' offices in the system.
- 2. Entering the requisitions for spare parts and deleting them out of the system.
- 3. Searching for the requisitions for spare parts, introduced to the system by the distributors or service networks' offices by either the company's name or the name of the searched part.

4. Searching for the address of the purchase departments.

Module C enables the Polish producers to place the offers on first assemblage supplies and the spare parts market in Poland in the system and facilitate the contact with the customers.

Functions realized by the system in this module

- 1. Registration of the producers in the system.
- 2. Placing the offers on first assemblage supplies and the spare parts market by the producers. Prices will be negotiated bilaterally.
- 3. Searching for the producers' offers by either the name of an item or the manufacturer's name.
- 4. Searching for the address of the manufacturer.
- 5. Mailing the offers through the system to the chosen business partners from the list.

The study includes the designs of the screens.

The presented screen is lighted up in the "menu".

### Meanings of the colors used in the study and in forms

- 1. **black** information available to the user, presented on the screen
- 2. **blue** information available only to the programmer
- 3. green active field or the keys available permanently or being activated after logging, opening the screen with the document. The numbers are explained in table 2.
- 4. red data updated by the system automatically
- 5. *red, italics* the example of how the document should be filled with the updated data

Table 1. e-procurement system database

Table	Name of the table	Discription			
Α	Producers of parts	Index (key) records from R3 form			
В	Purchase departments	Index (key) records from R1 form			
С	Distributors	Index (key) records from R2 form			
D	Producers' offers	Index (key) records from first			

		assemblage supplies and the spare
		parts market form
E	Delivery inquiry	Index (key) records from Z1 form
F	Requisition for spare parts	Index (key) records from C1 form
G	Library of Product Assortment	Index (key) records present the name
		of an item in Polish, English and
		Ukrainian

Table 2. Content of active fields and function keys

Index	Name of the window	Active	Active after
			logging
R1	Application form	Х	
R2	Application form	Х	
R3	Application form	Х	
R4	HELP - contact with Admin	Х	
	(tel., e-mail, etc.)		
C1	Form for data entering	-	X
C2	Report for data searching		X
C 2.1	Report for data searching		X
C3	Report for data searching		X
P1	Form for first assemblage		X
	supplies (OE)		
P2	Form for spare parts market		X
	supplies (AM)		
P3	List of producers - report		X
P 3.1	Offer - report		Х
P 3.2	Manufacturer's address -		X
	report		
Z1	Form for data entering		Х
Z2	Report for searching the data		X
Z 2.1	Report for searching the data		X

### Main site of the e-Procurement system

### **AUTOMOTIVE INDUSTRY** PLATFORM of vehicle parts and accessories

Main	Registration	Module	Delivery	Module	Spare	Module	Producer
site		Α	inquiries	В	parts	С	offers

This system is designed for establishing contacts between Polish parts producers and sales departments of primary vehicle producers and purchase departments of distributors and service networks.

The system consists of 3 thematic modules A, B, C designed for particular users. Search for first assemblage supply

This system module is designed for sales departments of primary vehicle producers and suppliers whose factories or sales departments are headquartered in Poland. It is intended to enable search for Polish producers of spare parts who intend to make a first assemblage supply or produce using purchaser's brand name.

Requisition for spare parts market

- This system module is designed for distributors and service networks. It enables the requisition for parts for spare parts market in Poland. Offers of parts producers
- This system module is designed for Polish parts' producers interested in first assemblage supply or deliveries to spare parts market. It is intended to enable submission of a trade offer and enable contact and correspondence with contracting parties.

Currently there is the following number of inquiries in the system: (number) delivery inquiries submitted by primary car producers and suppliers that can be seen in the database. It is possible to look through inquiries about parts delivery in the bookmark DELIVERY INQUIRIES (number) offers of Polish parts producers from the SME sector. The offers may be looked through in the bookmark PRODUCERS OFFERS (number) requisitions for parts run by distributors. The requisitions for parts may be looked through in the bookmark SPARE PARTS

In order to gain your access code and user system status, an appropriate form must be filled in the bookmark REGISTRATION.

Registration to the syste	m
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### MOTOR INDUSTRY vehicle parts and accessories

Main	Registration	Module	Module	Module	Delivery	Producers	Spare		
site		Α	В	С	inquiries	offers	parts		

In order to use the platform you need to log in. User address data is needed in order to enable the system to automatically send chosen information after it has been inserted into the system.

In order to gain your access code and system user status fill in an appropriate form in accordance with the trade you represent:

- primary vehicle producer or supplier (registration form R1)
- warehouse, distributor or service workshop (registration formR2)
- Polish producer of parts or accessories (registration form R3) Without logging in, it is possible to look through lists of searched or offered parts, registered by the system in the inquiries and offers.

### Producers' offers

### MOTOR INDUSTRY

PLATFORM of vehicle parts and accessories

Main	Registra	Module	Delivery	Module	Spare	Module	Producers
site	tion	Α	inquiries	В	parts	С	offers

Offers of spare parts' producers

If you want to become a user, register on the site REGISTRATION pages Insertion and search window is being activated after logging in

### **INSERTION OF PRODUCERS OFFERS**

In order to insert an offer for first assemblage supply, the following form should be completed (form OE P1)

In order to insert an offer for delivery of parts for spare part market, the following form should be completed (form AM P2)

### SEARCH FOR OFFERS

Search for business offers of producers by product name
nsert the name of a product or chose the name from the list
[P3 of Product Assortment
Search by producer name
nsert producer name ( P3.1, P3.2) ENTER

There appears a report page with reports P. 3, P3.1 and P3.2 for a chosen producer

### Spare parts

Main site	Registartion	Module	Delivery	Module	Spare	Module	Producers
		Α	inquiries	В	parts	С	offers

### Requisition for spare parts supplied to the market

If you are a platform user, log in. Insert your user name chosen at registration
() Field to complete
Insert the received password () Field to complete - clik ENTER
$\mbox{\bf NOTE}$ In case of any problems when logging in, contact the administrator (help R4 )

If you want to become a user, register on the REGISTRATION page Insertion and search window is being activated after logging in

### INSERTION OF OFFERS OF DISTRIBUTORS AND SERVICE NETWORKS

In order to insert requisition for spare parts (ZZC) supplied to the market, the following form should be completed (form C1) - inserts data to the table C

SEARCHING
Search for the product by name or choose the name from the list (C2
) ENTER Library of Product Assortment
Search for requisition for spare parts by the name of distributor or service network
(.C3) ENTER
There appears a report page with reports C.2, C 2.1, C3 for a selected distributor or service network.
Module A

### MOTOR INDUSTRY PLATFORM of vehicle parts and accessories

Main	Registra	Module	Delivery	Module	Spare	Module	Producers
site	tion	Α	inquiries	В	parts	С	offers

### Search for part suppliers of first assemblage supply

This System Module enables sales departments to insert delivery inquiries into the system. It is intended to enable Polish producers to contact with sales departments of primary vehicle producers and deliverers whose factories and sales departments are headquartered in Poland. It is also intended to help representatives search for Polish producers of spare parts who want to make a first assemblage supply or produce using purchaser's brand name.

Producers, potential suppliers of a given part registered in the system data base will be notified of insertion of delivery inquiry into the system. Insertion of the following information is possible along with delivery inquiry:

- mechanical drawings of parts
- general requirements for a supplier

Currently (date) there is the following number of enquiries in the system: (number) sales departments of primary vehicle producers and suppliers ( number) business departments of distributors and service networks (number) offers of Polish producers

If you want to become a user, register on the site REGISTRATION pages After registration you may insert your delivery inquiries into the system, completing the form Z1 in the bookmark DELIVERY INQUIRIES

Log in if you are a platform user	
Insert the user name chosen at registration () field to complete	
Insert the received password ()field to complete click ENTER	
NOTE in case of any problems when logging in, contact the administrator (help	
R4)	

Parts' producers will be notified of the appearance of delivery inquiries by the system. The information will be sent to producers who will have the searched part in their assortment registered in the system.

Module B	:	10		

### MOTOR INDUSTRY

PLATFORM of vehicle parts and accessories

Main	Registration	Module	Delivery	Module	Spare	Module	Producers
site		Α	inquiries	В	parts	С	offers

### Requisition for parts of distributors and service networks

This System Module enables business departments of distributors s and service networks to make requisition for parts in the system. It is intended to facilitate contact between Polish producers and business departments. It is also designed to facilitate representatives to search for Polish producers of vehicle part who intend to supply spare parts market.

The system enables a producer to send the offer directly to the person who makes requisition for spare parts.

Currently there is the following number of address data in the system data base: (number ) sales departments of primary vehicle producers and suppliers (number) business departments of trade distributors and service networks (number) offers of Polish producers

If you want to become a user, register on the site REGISTRATION pages After registering, you may insert your requisition for parts into the system, completing the form C1 in the bookmark SPARE PARTS

If you are a platform user, log in
Insert your user name chosen at registration () Field to
complete
Insert the received password () Field to complete click ENTER
NOTE in case of any problems when logging in, contact the administrator (help
R4)

Parts' producers will be notified of the appearance of delivery inquiry by the system. The information will be sent to producers who will have the searched part in their assortment registered in the system.

### Module C

### MOTOR INDUSTRY

PLATFORM of vehicle parts and accessories

Main	Registration	Module	Delivery	Module	Spare	Module	Producers
site		Α	inquiry	В	parts	С	offers

### Offers of parts' producers

This System Module enables Polish producers to place their trade offers in the system. It is designed to facilitate contact between Polish producers and business departments of distributors and service networks as well as with sales departments

of primary vehicle producers and suppliers whose factories or sales departments are headquartered in Poland. It is aslo designed to facilitate representatives of these companies to search for Polish producers of vehicle parts and accessories. This system enables the producers to send their offer directly to the person who has made <u>requisition for parts</u> or <u>delivery inquiry</u>.

Currently (precise date) there is the following number of address data in the system data base.

( number ) sales departments of primary vehicle producers and suppliers ( number ) business departments of distributors and service networks (number) offers of Polish producers

If you want to become a user, register on the site REGISTRATION pages

Log in if you are a platform user
Insert the user name chosen at registration (......) field to complete
Insert the received password (.....)field to complete click ENTER

NOTE in case of any problems when logging in, contact the administrator (help
R4)

After registering you may enter your offer into the system completing the OE or AM form in the bookmark PRODUCERS OFFERS

Parts' producers will be notified of the appearance of inquirires about delivery by the system. The information will be sent to producers who will have the searched part in their assortment registered in the system.

-	-	•	•
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### MOTOR INDUSTRY

PLATFORM of vehicle parts and accessories

Main	Registration	Module	Delivery	Module	Spare	Module	Producers
site		Α	inquiries	В	parts	С	offers

### Delivery inquiries of primary vehicle producers or suppliers

Log in if you are a platform user	
Insert the user name chosen at registration (	) field to complete
Insert the received password ()field to complete of	lick ENTER
NOTE in case of any problems when logging in, contact the ac	Iministrator (help
R4)	

If you want to become a user, register on the site REGISTRATION pages Insert and search window becomes activate after logging in

(window) ENTERING

For primary vehicle producers or suppliers

In order to insert a delivery inquiry of first assemblage supply, it is necessary to fill in the form ( form Z1 )

### (window) SEARCHING

Search for delivery inquiries of OE parts registered in the system by product name (raport Z2)

### Form for spare parts' market supplies AM

For producers of spare parts and automobile accessories interested in supplying their products to the market.

By filling in the form with their data, producers become the platform users and after entering the login they are able to display their offers on the platform.

(serves for the offer registration and entering data to the database "Offers of spare parts producers").

No.	Data	Fill in the blanks	Comments
1	Application date	date	
2	Offer validity	date	permanent with a deadline
20	Names of offered spare parts ENTER	Text - reference book	Option of entering more than one (7)
21	Product with homologation according to EKG ONZ No(choose one) ENTER	text	yes no n/a
22	Producer declaration: product with quality close to the original (GVO)	text	yes /no
23	Catalogue of the offered products including:  • the spare part's number in the producer's catalogue  • the spare part's number according to the vehicle producer  available on the web site of the spare parts producer.	text	Web site Link to the catalogue on the web site
24	Spare parts available for following vehicle makes:	text	Option of entering more than one (9)

### NOTE

The names of spare parts entered into the form for the first time are inserted into the table "Library of Product Assortment".

### NOTE

Data entered into the form are automatically copied into the proper table. The offer receives the password generated by the system. One user can present more than one offer.

Data required for creating the table are presented in "System description".

### Form for first assemblage supplies OE

For producers of spare parts and automobile accessories interested in supply for first assemblage.

By filling in the form with their data, producers are able to display their offers on the platform.

(serves for offer registration and entering data to the database "Offers of spare parts producers")

No.	Data	Fill in the blanks	Comments
1	Application date	Date	
2	Offer validity	Date	permanent with a deadline
20	Names of spare parts ENTER	Text - reference book	Option of entering more than one (7)

### **NOTE**

The names of spare parts entered into the form for the first time are inserted into the table "Library of Product Assortment".

### NOTE

Data entered into the form are automatically copied into the proper table. The offer receives the password generated by the system. One user can present more than one offer. Data required for creating the table are presented in "System description".

### Form for data entering Z1

For purchase departments of vehicle producers and primary suppliers

By filling in the form with their data, merchants are able to display on the platform their inquiries for supply for accessories.

(serves for making a requisition for spare parts and entering data to the table E "Delivery inquiry")

No.	Data	Fill in the blanks	Comments
1	Application date	Date	
2	Deadline for making offer	Date	
20	Names of spare parts ENTER	Text - reference book	Option of entering more than one (9)
21	Number of the spare part's picture	Text	Attached to the spare part's name
22	Requirements for suppliers	Text	Attachement

### NOTE

The names of spare parts entered into the form for the first time are inserted into the table "Library of Product Assortment".

### NOTE

Data entered into the form are automatically copied into the proper table. The inquiry receives the password generated by the system. One user can make more than one inquiry.

Data required for creating the table are presented in "System description".

### Application form R1

For purchase departments of vehicle producers and primary suppliers

By filling in the form with their data, merchants become the platform users and after entering the login they are able to make the requisition for the spare parts on the platform.

(serves for entering data to the table B "Purchase departments"

No.	Data	Fill in the blanks	Comments
1	Application date	date	
2	Company name	Text	
3	Plant's name of the merchant	Text	
4	Postcode	Text	
5	Post office	Text	
6	City/town	Text	
7	Address	Text	
8	Contact person	Text	
9	Position	Text	
10	Telephone no.	Text	
11	Fax	Text	

12	e-mail	Text	
13	Web site	Text	
14	Production profile – names of spare parts ENTER	Text - Reference book	Option of entering more than one
15	User name (login) - max. 6 characters	text	
	Click ENT	ER	
K	Password - generated for user from database	User password	One letter and three numbers

### **IMPORTANT REMARKS!**

The user name (entered in 15. item) and the generated password will be always used when entering the system.

In order to make an inquiry for supply, click on the bookmark "Delivery inquiry".

### NOTE

Data entered into the form are automatically copied into the proper table. The user receives the password generated by the system. The password consisting of one letter and three-digit number is displayed in the form after clicking ENTER. Data required for creating the table are presented in "System description".

### Application form R2

For car dealers and service stations

By filling in the form with their data, car dealers and service stations become the platform users and after entering the login they are able to make the requisition for the spare parts on the platform.

(serves for entering data to the table C "Distributors")

No.	Data	Fill in the blanks	Comments
1	Application date	date	
2	Company name	Text	
3	Legal form	Text	
4	No. in the Register of	Text	
	Companies		
5	Date of establishment	date	
6	Postcode	Text	
7	Post office	Text	
8	City	Text	
9	Address	Text	
10	Contact person	Text	
11	Position	Text	
12	Telephone no.	Text	

13	Fax	Text	
14	e-mail	Text	
15	Web site	Text	Web site of the products catalogue
16	Requisition - names of spare parts ENTER	Text-reference book	Option of entering more than one
15	User name (log in) - max. 6 characters	text	
		Click ENTER	
K	Password - generated for user from database	User password	One letter and three numbers

### **IMPORTANT REMARKS**

The user name (entered in 15. item) and the generated password will be always used when entering the system.

In order to make a requisition, click on the bookmark "Spare parts market".

### NOTE

Data entered into the form are automatically copied into the proper table. The user receives the password generated by the system. The password consisting of one letter and three-digit number is displayed in the form after clicking ENTER. Data required for creating the table are presented in "System description".

### Application Form R3

For producers of spare parts and automobile accessories

By filling in the form with their data, producers become the platform users and after entering the login they are able to display their offers on the platform.

(serves for user registration and entering data to the table A "Spare parts producers")

No.	Data	Fill in the blanks	Comments
1	Application date	Date	
2	Company name	text	
3	Legal form	text	
4	No. in the Register of	text	
	Companies		
5	Date of establishment	text	
6	Certificate ISO 9001	selection	yes / no
7	Certificate ISO/TS 16 949	selection	yes / no
8	Certificate QS-9000	selection	yes / no
9	Certificate VDA 6.1	selection	yes / no
10	Postcode	text	

11	Post office	text	
12	City	text	
13	Address	text	
14	Contact person	text	
15	Position	text	
16	Telephone no.	text	
17	Mobile	text	
18	Fax	text	
19	e-mail	text	
20	Web site	text	
23	Production profile - names of spare parts ENTER	Text - reference book	Option of entering more than one product (7)
24	Current clients (enter the names)	text	
25	User name (log-in) - max. 6 characters	text	
		Click ENTER	
K	Password - generated for user from database	User password	One letter and three numbers

### **IMPORTANT REMARKS**

The user name (entered in 25. item) and the generated password will be always used when entering the system.

In order to present the offer, click on the bookmark "Offers of spare parts producers".

### NOTE!

Data entered into the form are automatically copied into the table A. The user receives the password generated by the system. The password consisting of one letter and three-digit number is displayed in the form after clicking ENTER. Data required for creating the table are presented in "System description".

Form for data entering C1 - ZZC

For car dealers and service stations interested in buying spare parts

By filling in the form with their data, dealers and service stations are able to display their needs for spare parts on the platform.

(serves for making a requisition for spare parts and entering data to the table "Requisition for spare parts")

No.	Data	Fill in the blanks	Comments
1	Application date		
20	Names of spare parts ENTER		Option of entering more than one (9)

21	Vehicle makes	Option of entering more than one make (7)
22	<ul> <li>Identification of spare parts</li> <li>the spare part's number in the producer's catalogue</li> </ul>	
23	<ul> <li>Identification of spare parts</li> <li>the spare part's number according to the vehicle producer</li> </ul>	Web site Link to the catalogue on the web site

### NOTE

The names of spare parts entered into the form for the first time are inserted into the table "Library of Product Assortment".

### NOTE

Data entered into the form are automatically copied into the proper table. The requisition receives the password generated by the system. One user can make more than one requisition.

Data required for creating the table are presented in "System description".

### Raport Z 2

List of purchase departments of the vehicles' producers or first level suppliers searching for (name of a part)

L. p	purchase department	applicatio n date	deadline for offers' application	number of the part's drawing - enclosure	supplier's requirements - enclosure
1	DELPHI			nnnnnnnn	Hhhhhhh
2	TRW			hhhhhhhhhhh	kkkkkkkk
3	OPEL				

To look through the enclosure click on the record

To start the correspondence an e-mail window needs to be opened (open) outlook standard

Add an e-mail to the mailing list (add)

To get the address of the chosen (highlighted) purchase department (C 2.1 address) ENTER C 2.1 report appears

### Z 2.1 Report

Purchasing department address (name)

Contact person	Name and surname	Zip code	
Position		Post office	
Tel.		City	
Mobile		Street	
fax		e -mail	

## C2 Report

List of distributors or service networks searching for (name of a part)

L.pdistributor or service networkvehicle's make according to the producer's service networknumber of the vehicle's part according to the producer's according to the producer's cataloguenumber of the part according to the searcher's on the searcher's on the searcher's website1INTER TEAMOpelxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	,	THE PROPERTY OF THE PARTY OF TH		Elect of which was a second from the second from a least of the second from th		
letworkaccording to the producer's catalogueaccording to the catalogueAMOpelxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	L.p	distributor or	vehicle's make	number of the vehicle's part	number of the part	catalogue of products
4M Opel xxxxxxxxxxx nnnnnnnn nnnnnnn Honda zzzzzzzzz mmmmmm hhhhhhhhhhhhhhhhhhhhh		service network		according to the producer's	according to the	on the searcher's
4M Opel xxxxxxxxxx Honda zzzzzzzzzz Fiat mmmmmmm				catalogue	searcher's catalogue	website
Honda zzzzzzzzzz Fiat mmmmmm	1	INTER TEAM	Opel	XXXXXXXXXXX	นนนนนนนนนน	
Fiat mmmmmm			Honda	22222222222	тттттт	
	2	AD Polska	Fiat	ишшшшш	hhhhhhhhhh	

## C3 Report

Distributor or service network (name) is looking for

בופוווסמוסו כו פכו אוכם ווכוואסוע (וומוו	וובניאסוע (וומוווב)	101 BINOOI 81 (51		
application date	part	vehicle's make	number of the vehicle's part	number of the part
			according to the producer's	according to the
			catalogue	searcher's catalogue
24.12.2004	Brake pads	Opel	บบบบบบบ	YYYYYYY
	Wires	Mazda	<i>IIIIIIIIII</i>	HIHHHH

To start the correspondence an e-mail window needs to be opened (open) outlook standard Add an e-mail to the mailing list (add)

To get the address of the chosen (highlighted) distributor or service network (C 2.1 address) ENTER C 2.1 report appears

# C 2.1 Report

Distributor or service network address (name of a searcher)

Contact person	Name and surname	Zip code	
Position		Post office	
Tel.		City	
Mobile		Street	
fax		e -mail	

### P3 Report

Producers (name of a part )

	/				
	producer	year of	certificate of	current	websites
	(how to fill in)	establishment	dnality	custormers	
$\leq$	MOTGUM	1987	ISO 9001	AD Polska	
			ISO/TS 16949	FSO	
			QS-9000		
-	TORSTAR	1978	brak	Polmozbyt T	

To start the correspondence an e-mail window needs to be opened (open) outlook standard Add the producer's e-mail to the mailing list (add)

The entire offer of the chosen (highlighted) producer (P 3.1 offer) ENTER P 3.1 report appears

To get the address of the chosen (highlighted) producer (P3.2 address) ENTER P 3.2 report appears

# P3.1 Report

Producer (name) offers

name of a part	certification of approval reg EKG ONZ	brand of a vehicle	catalogue of products - website (link)
Brake pads	06	Opel, Honda, WV,	
Wires	Does not occur	Mazda Opel Fiat	

# P3.2 Report

Producers' address (name)

Contact person         Name and surname         Zip code           Position         Post office           Tel.         City           Mobile         Street           fax         e-mail		The second secon		
	Contact person	ര	Zip code	
	Position		Post office	
	Tel.		City	
	Mobile		Street	
	fax		e -mail	

Trade documents implemented in e-Procurement system were modeled on the standards of trade documents transmitted according to the protocol and requirements of EDI-EANCOM (*Electronic Data Interchange*) transmission. This standard for the reason of little usage In economic practice of enterprises present in the market, has been applied as a model in the extent of:

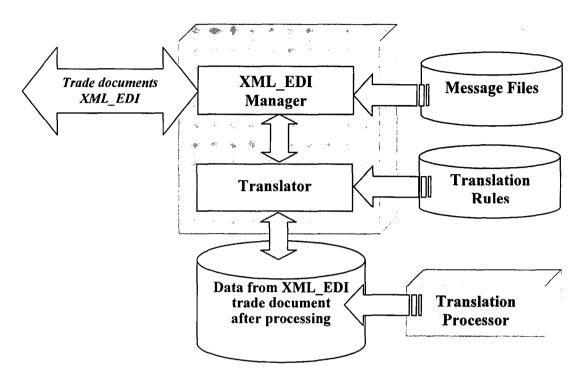
- type and scope of information impinging on the data specification present in trade documents,
- quantity and order of occurrence of individual fields in trade documents.

The matter of transmission of documents through electronic platform of e-Procurement system, for the reason of practical need for the integration of many clients, using standard equipped computer stations (without the possibility to translate standard EDI messages) has been optionally established:

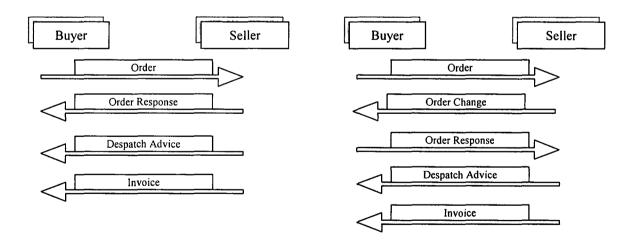
- XML\_EDI transmission protocol (eXtensive Markup Language) for the purpose
  of trade documents exchange,
- forms of trade documents with the usage of direct data transfer to the database of Electronic Catalogue through TCP/IP (*Transmission Control Protocol / Internet Protocol*). Communication method through data entered into formatted data fields within forms available through WWW sites of the client and the producer.

Picture 2 presents the communication interface of trade documents within the XML\_EDI standard. Presented hardware and software interfaces are to complete the outgoing and ordered data into communication fields and synchronization fields required for the XML\_EDI transmission and to read and recognize synchronization data within the incoming documents.

Picture 2 XML\_ EDI Interface of Electronic Catalogue which makes possible the transmission and translation of electronic trade documents.



In practical application of the trade transaction executed through e-Procurement system following relations can occur:



In this chapter five trade document standards will be presented:

- > Order ORDER
- > Order Change ORDERCHG
- Order Response ORDRSP
- Despatch Advice DESADV
- > Invoice INVOIC

Below each of these standard documents has been presented in electronic version of messages with reference to the possibilities of its' implementation in Electronic Catalogue of EAN\_UCC labeled products.

### ORDER

Document type (message type) : ORDER

Edition (reference directory) : D.96.A

Version EANCOM : 008

Document which specifies the type of goods or services ordered according to the terms agreed beforehand by the buyer and the seller.

### Document Structure - ORDER

Shaded lines are mandatory synchronization and translation elements for the purpose of electronic transmission and are not connected to the document content.

Code	No.	Status	No. of	Specification
			signs	
UNH	1	М	1	Message Header
<u>BGM</u>	2	M	1	Message Beginning
<u>DTM</u>	3	M	35	Date / time / period
<u>PAI</u>	4	C	1	Payment Instructions
<u>ALI</u>	5	C	5	Additional Information
<u>FTX</u>	6	C	99	Free text
SG1		C	10	RFF-DTM

Code	No.	Status	No. of	Specification
			signs	
RFF	7	M	1	References
<u>DTM</u>	8	C	5	Date / time / period
SG2		C	99	NAD-LOC-SG3-SG5
<u>NAD</u>	9	M	1	Name and address
LOC	10	C	25	Place / Location Identification
SG3		C	10	RFF
<u>RFF</u>	11	M	1	References
<u>SG5</u>	-	C	5	CTA-COM
CTA	12	M	1	Contact address
<u>COM</u>	13	C	5	Contact numbers
<u>SG6</u>		C	5	TAX-MOA
TAX	14			Duty / tax / fee information
<u>MOA</u>	15	C	1	Monetary value
<u>SG7</u>		C	5	CUX-DTM
<u>CUX</u>	16	M	1	Currencies
<u>DTM</u>	17	C	5	Date / time / period
<u>SG8</u>		C	10	PAT-DTM-PCD-MOA
<u>PAT</u>	18	M	1	Payment terms basis
<u>DTM</u>	19	C	5	Date / time / period
<u>PCD</u>	20	C	1	Percentage detail
<u>MOA</u>	21	С	1	Monetary value
<u>SG9</u>		С	10	TDT-SG10
TDT	22	M	1	Transport Detail
<u>SG10</u>		C	10	LOC
LOC	23	M	1	Place / Location Identification
<u>SG11</u>		C	5	TOD-LOC
TOD	24	M	1	Delivery or Transport Terms

Code	No.	Status	No. of	Specification
			signs	
LOC	25	С	2	Place / Location Identification
<u>SG18</u>		C	15	ALC-ALI-DTM-SG19-SG20-SG21-SG22-SG23
<u>ALC</u>	26	М	1	Allowances or charges
<u>ALI</u>	27	C	5	Additional information
<u>DTM</u>	28	C	5	Date / time / period
<u>SG19</u>		C	1	QTY-RNG
<u>QTY</u>	29	M	1	Quantity
<u>RNG</u>	30	C	1	Range
<u>SG20</u>		C	1	PCD-RNG
<u>PCD</u>	31	M	1	Percentage details
<u>RNG</u>	32	C	1	Range
<u>SG21</u>		С	2	MOA-RNG
<u>MOA</u>	33	M	1	Monetary value
<u>RNG</u>	34	C	1	Range
SG22		C	1	RTE-RNG
<u>RTE</u>	35	M	1	Rate
<u>RNG</u>	36	· C	1	Range
<u>SG23</u>		C	5	TAX-MOA
<u>TAX</u>	37	M	1	Duty / tax / fee information
<u>MOA</u>	38	C	1	Monetary value

### ORDER CHANGE

Document type (message type) : ORDCHG

Edition (reference directory) : D.96.A

Version EANCOM : 005

Document (message) sent by the buyer to the seller, defining the details of changes which should be made to the order.

Buyer may request some changes to the order concerning one or more items or may cancel the order for specified goods or services. The document *Order Change* may concern goods or services mentioned in one or more delivery schedules. The document *Order Change* concerning international transactions may include additional information e.g. concerning duty or statistical. The document *Order Change* may include transport and delivery detail.

### Document Structure ORDER CHANGE

Code	No.	Status	No. of	Specification
			signs	
<u>UNH</u>	1	M	1	Message Header
<u>BGM</u>	2	M	1	Message Beginning
<u>DTM</u>	3	M	35	Date / time / period
<u>PAI</u>	4	C	1	Payment Instructions
<u>ALI</u>	5	C	5	Additional Information
<u>FTX</u>	6	C	99	Free text
SG1		С	10	RFF-DTM
RFF	7	M	1	References
<u>DTM</u>	8	C	5	Date / time / period
<u>SG3</u>	• •	C	99	NAD-LOC-SG4-SG6
NAD	9	М	1	Name and address
LOC	10	C	25	Place / Location Identification
<u>SG4</u>		C	10	RFF
<u>RFF</u>	11	M	1	References
<u>SG6</u>		С	5	CTA-COM
<u>CTA</u>	12	M	1	Contact information
<u>COM</u>	13	C	5	Contact numbers
<u>SG7</u>		C	5	TAX-MOA
TAX	14	M	1	Duty / tax / fee information
<u>MOA</u>	15	C	1	Monetary value

Code		No.	Status	No. of	Specification
				signs	·
SG8			С	5	CUX-DTM
CUX		16	M	1	Currencies
<u>DTM</u>		17	C	5	Date / time / period
SG9		** ** *	C	10	PAT-DTM-PCD-MOA
<u>PAT</u>		18	M	1	Payment terms basis
<u>DTM</u>		19	C	5	Date / time / period
PCD		20	C	1	Percentage detail
<u>MOA</u>		21	C	1	Monetary value
<u>SG10</u>			C	10	TDT-SG11
TDT		22	M	1	Transport Detail
<u>SG11</u>			C	10	LOC
LOC	+	23	M	1	Place / Location Identification
SG12			C	5	TOD-LOC
TOD		24	M	1	Delivery or Transport Terms
LOC		25	C	2	Place / Location Identification
SG19			C	15	ALC-ALI-DTM-SG20-SG21-SG22-SG23-SG24
ALC	+	26	M	1	Allowances or charges
<u>ALI</u>	+	27	C	5	Additional information
<u>DTM</u>	+	28	C	5	Date / time / period
SG20	•		C	1	QTY-RNG
QTY	+	29	M	1	Quantity
RNG		30	С	1	Range
SG21			C	1	PCD-RNG
<u>PCD</u>	+	31	M	1	Percentage details
RNG	+	32	С	1	Range
<u>SG22</u>	•		C	2	MOA-RNG
<u>MOA</u>	+	33	M	1	Monetary value

Code	No.	Status	No. of	Specification
	,		signs	
RNG	34	С	1	Range
RTE	+ 35	M	1	Rate
RNG	+ 36	C	1	Range
<u>SG24</u>	ari e e e	C	5	TAX-MOA
TAX	+ 37	M	1	Duty / tax / fee information
<u>MOA</u>	+ 38	C	1	Monetary value

### ORDER RESPONSE

Document type (message type) : ORDRSP

Edition (reference directory) : D.96.A

Version EANCOM : 005

This document sent from the seller to the buyer concerns the document *Order Response* or *Order Change*.

The response may concern one or more goods or services. The message may also fulfill the following functions:

- acknowledge the receipt and understanding of the message Order Response
- accept the message Order Response
- propose changes to Order
- acknowledge lack of acceptance for the whole or part of Order Response

The message *Order Response* may refer to goods or services named in one or more delivery schedules. The message *Order Response* concerning international transaction may include additional duty or statistical information. The message *Order Response* may include details concerning transportation, delivery place, delivery time etc. Depending on the practices applied at a particular company one or more *Order Response* may refer to one *Order*.

Document Structure ORDER RESPONSE

UNH BGM	1 2	M	signs	
		M		
<u>BGM</u>	2		1	Message Header
		M	1	Message Beginning
<u>DTM</u>	3	M	35	Date / time / period
<u>PAI</u>	4	C	1	Payment Instructions
<u>ALI</u>	5	C	5	Additional Information
<u>FTX</u>	6	C	99	Free text
SG1		C	10	RFF-DTM
<u>RFF</u>	7	M	1	References
<u>DTM</u>	8	C	5	Date / time / period
<u>SG3</u>		C	99	NAD-LOC-SG4-SG6
<u>NAD</u>	9	M	1	Name and address
<u>LOC</u>	10	C	25	Place / Location Identification
SG4		С	10	RFF
RFF	11	M	1	References
<u>SG6</u>		C	5	CTA-COM
<u>CTA</u>	12	M	1	Contact information
<u>COM</u>	13	C	5	Contact numbers
<u>SG7</u>		С	5	TAX-MOA
<u>TAX</u>	14	M	1	Duty / tax / fee information
<u>MOA</u>	15	C	1	Monetary value
<u>SG8</u>	. •	C	5	CUX-DTM
CUX	16	M	1	Currencies
<u>DTM</u>	17	C	5	Date / time / period
SG9		C	10	PAT-DTM-PCD-MOA
<u>PAT</u>	18	M	1	Payment terms basis
<u>DTM</u>	19	C	5	Date / time / period

Code	No.	Status	No. of	Specification
			signs	
<u>PCD</u>	20	C	1	Percentage details
<u>MOA</u>	21	C	1	Monetary value
<u>SG10</u>		C	10	TDT-SG11
<u>TDT</u>	22	M	1	Transport Detail
<u>SG11</u>		C	10	LOC
LOC	23	M	1	Place / Location Identification
<u>SG12</u>		С	5	TOD-LOC
<u>TOD</u>	24	M	1	Delivery or Transport Terms
LOC	25	C	2	Place / Location Identification
<u>SG19</u>		C	15	ALC-ALI-DTM-SG20-SG21-SG22-SG23-SG24
<u>ALC</u>	26	M	1	Allowances or charges
<u>ALI</u>	27	C	5	Additional Information
<u>DTM</u>	28	С	5	Date / time / period
SG20	ma er	C	1	QTY-RNG
<u>QTY</u>	29	M	1	Quantity
RNG	30	C	1	Range
SG21		C	1	PCD-RNG
<u>PCD</u>	31	M	1	Percentage details
RNG	32	С	1	Range
SG22		C	2	MOA-RNG
<u>MOA</u>	33	M	1	Monetary value
<u>RNG</u>	34	С	1	Range
SG23		С	1	RTE-RNG
RTE	35	M	1	Rate
RNG	36	С	1	Range
<u>SG24</u>		С	5	TAX-MOA
TAX	37	M	1	Duty / tax / fee information

Code	No.	Status	No. of	Specification
			signs	
<u>MOA</u>	38	C	1	Monetary value

### **DESPATCH ADVICE**

Document type (message type) : DESADV Edition (reference directory) D.96.A Version EANCOM 005

The message gives detail information concerning goods shipped or ready to shipment according to the agreed terms.

Document DESPATCH ADVICE May be used to notification of the shipment of goods or return shipment of goods. The document is to transmit detail information on the delivered goods. A given document is connected with one seller and one buyer or their representatives. A given document is connected with one dispatch place and one or many delivery places. It can include information on many different goods and packages. Thanks to the document the receiver:

- knows when the goods have been shipped or when it will be ready to shipment;
- knows the content of the shipment in detail;
- may take introductory action to customs clearance in case of international shipment;
- Has the possibility to control whether the shipped package is adequate to the Invoice.

Document DESPATCH ADVICE should be always sent before actual delivery or goods return takes place. In this way the receiver may prepare himself to receive the shipment. Each delivered collective unit (pallet, carton etc.) may be unambiguously identified. The DESPATCH ADVICE document contains the description of all the goods within separate unambiguously identifiable collective units. Thanks to that after goods are delivered one can compare the content of the delivered package with the electronic message and easily identify differences.

EAN/UCC standard and serial Code of shipped units SSCC to label collective units adoption is advised.

Document *DESPATCH ADVICE* enables us to make hierarchical description of the shipment, beginning from the highest level (shipment) and ending on the lowest level (goods).

One can describe a container with 5 pallets, which consist of several large shipment units, which consist of several small shipment units. Proper trade units (at freely chosen hierarchy level agreed by trading partners) are named at the end. The hierarchical description of shipment structure is not obligatory. Simple and probably most often message usage is the enumeration of all the goods contained in the shipment with additional proper information on them (e.g. quantity, additional identification, etc.)

Document Structure - DESPATCH ADVICE

Code	N	D.	Status	No. o	f Specification
				signs	
UN	H	1	M	1	Message Header
<u>BG</u>	<u>M</u>	2	M	1	Message Beginning
DT	<u>M</u>	3	C	10	Date / time / period
<u>SG</u>	<u>i</u>		C	10	RFF-DTM
RFI	<u>-</u>	4	M	1	Reference
DT	<u>M</u>	5	C	1	Date / time / period
<u>SG</u> 2	2		C	10	NAD-SG3-SG4
<u>NA</u>	<u>D</u>	6	M	1	Name and address
SG:	<u>3</u>		C	10	RFF
<u>RFI</u>	3	7	M	1	Reference
<u>SG</u>	<u>4</u>	-	C	10	CTA-COM
<u>CT</u> .	<u>A</u>	8	M	1	Additional information
<u>CO</u>	<u>M</u>	9	C	5	Contact numbers
SG:	<u>5</u>		C	10	TOD-LOC
<u>TO</u> :	<u>D</u>	10	M	1	Delivery or Transport Terms
LO	<u>C</u>	11	C	5	Place / Location Identification
SG	<u>5</u>		C	10	TDT-SG7
<u>TD</u>	Γ	12	M	1	Transport Detail

Cod	le	No	) <b>.</b>	Status	No. of	Specification Specification
					signs	
1	<u>SG7</u>			С	10	LOC
1	LOC		13	M	1	Place / Location Identification
	<u>SG8</u>			C	10	EQD-MEA-SEL
i	<u>EQD</u>	•••	_14	M	1	Equipment Details
	<u>MEA</u>		15	C	5	Measures
	<u>SEL</u>		16	C	25	Seal number

### **INVOICE**

Document type (message type) : INVOIC

Edition (reference directory) : D.96.A

Version EANCOM : 008

The message requesting payment for goods or services delivered according to the agreed terms by the buyer and the seller.

A standard ONZ message of the type INVOICE with proper data is also a detailed description for the message type Debit Note and Credit Note. In connection to that, the reference to the message INVOICE may be interpreted wider – as to INVOICE / CREDIT NOTE / DEBIT NOTE.

The seller may issue an Invoice for one or more transactions. INVOICE may refer to goods or services connected with one or more orders, shipment instructions, phone order etc. INVOICE may include referrals to payment instructions. INVOICE concerning foreign transactions may include additional information for customs offices and for statistical purposes. INVOICE may include details of transportation.

Document structure - INVOICE

Code		Lp		No. of	signs Specification
<u>UNH</u>		1	M	1	Message Header
<u>BGM</u>		2	M	1	Message Beginning
<u>DTM</u>		3	M	35	Date / time / period
<u>PAI</u>		4	C	1	Payment Instructions
<u>ALI</u>		5	C	5	Additional information
FTX		6	C	10	Free text
<u>SG1</u>			C	99	RFF-DTM
<u>RFF</u>		7	M	1	Reference
<u>DTM</u>		8	C	5	Date / time / period
<u>SG2</u>			C	99	NAD-FII-SG3-SG5
NAD		9	M	1	Name and address
<u>FII</u>	+	10	C	5	Financial institution information
SG3			C	9999	RFF
<u>RFF</u>		11	M	1	Reference
<u>SG5</u>			C	5	CTA-COM
<u>CTA</u>		12	M	1	Contact information
<u>COM</u>		13	C	5	Communication contact
<u>SG6</u>			C	5	TAX-MOA
TAX		14	M	1	Duty / tax / fee details
<u>MOA</u>	+	15	C	1	Monetary value
<u>SG7</u>			C	5	CUX-DTM
CUX		16	M	1	Currencies
<u>DTM</u>		17	C	5	Date / time / period
<u>SG8</u>			C	10	PAT-DTM-PCD-MOA
<u>PAT</u>		18	M	1	Payment terms basis
<u>DTM</u>		19	C	5	Date / time / period
<u>PCD</u>		20	C	1	Percentage details
<u>MOA</u>		21	C	1	Monetary value
SG9			C	10	TDT
<u>TDT</u>		22	M	1	Transport Detail
<u>SG12</u>			C	5	TOD-LOC

	TOD	23	M	1	Delivery or Transport Terms
	<u>LOC</u>	24	C	2	Place / Location Identification
	<u>SG13</u>		C	1000	PAC
	<u>PAC</u>	25	M	1	Packaging
	<u>SG15</u>		C	9999	ALC-SG17-SG18-SG19-SG20-SG21
	<u>ALC</u>	26	M	1	Allowances or charges
	<u>SG17</u>		C	1	QTY
	<u>QTY</u>	27	M	1	Quantity
	<u>SG18</u>		C	1	PCD
!	<u>PCD</u>	28	M	1	Percentage details
:	<u>SG19</u> .		C	2	MOA .
	<u>MOA</u>	29	M	1	Monetary value
	<u>SG20</u>		C	1	RTE
	<u>RTE</u>	30	M	1	Rate details
	<u>SG21</u>		C	5	TAX-MOA
	<u>TAX</u>	31	M	1	Duty / tax / fee details
	<u>MOA</u>	32	C	1	Monetary value
1					

### 5. ADMINISTRATION MODULE OF E-PROCUREMENT SYSTEM

Administrators Software consists of the following functional modules:

- Offers Product Data.
- Dictionaries
- User administration
- Trade documents monitoring

In the left part of the screen an Administrator can access a menu with the list of modules. In order to run a chosen module one should click with one's mouse left button onto the icon, which represents the module one wants to access. In order to choose modules from the other parts of the system (by default after running Administrator has access to the icons of the first part of application) it is needed to click with your mouse button into a button labeled with the name of the application part one is interested in.

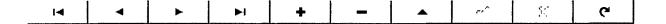
### Function key shortcuts

Action	Key shortcut
Go to first record	CTLR + Page Up
Go to last record	CTRL + Page Down
Previous record	↑ (cursor key)
Next record	↓ (cursor key)
Next field	TAB, ENTER
Previous field	SHIFT + TAB
Add record	INS
Delete record	CTRL + DEL
Edit field	F2
Unroll value list	ALT + ↓
Search next value on the product list	CTRL + ENTER
Search previous value on the product list	CTRL + SHIFT + ENTER

### Offers - Product Data

This module is intended to record, edit, delete, modify and automatic import of data of offers, which are put into the system via producers WWW sites. All forms are

built in a similar manner and consist of the elements which are the same type. Each form has a tool menu which allows to navigate the set of data presented by a net.



l∢	Go to first record
	Previous record
<b>&gt;</b>	Next record
►i	Go to last record
+	Add new record
_	Delete record
	Edit current record
-17	Accept changes
33	Cancel changes
(c)	Refresh records
13	Query mode
ئر،	Run entered Query <sup>1</sup>

### User administration

This module enables an Administrator to follow user reports made via registration forms from WWW sites. In this point user data is verified and next an Administrator creates a user of the e-Procurement system (This is made easy by the button "Create user" with entitlement type "WWW" - access via WWW sites - in distinction of a user with entitled data base level access via *OracleClient* software) and gives him access rights for particular offers according to the schema of receiver group membership of particular producer. If this is an accidental request Administrator is entitled to delete the user data. In this module a password is given to the user, who then changes it in such a manner, that the Administrator is of no knowledge about the current access password of the system users.

### Order status possible values:

- → Placed the order takes this status directly after defining the whole set of goods by the client and placing the order to delivery. At this point the deliverer may define particular items for this order.
- Changed the order takes this status if only part of items of order is accepted by the deliverer. Then the client makes the decision (via WWW sites) or acknowledges (and wants to execute changed order) or discards the order.
- ◆ Acknowledged / discarded if the given order is discarded (no matter if by the deliverer of placed order or by the client of changed order) the order ends it's active state in the system. If the order is acknowledged it is being taken into next level it's execution.
- ⇒ Advice sent at this point Despatch Advice is sent from the deliverer to the client.
- ➡ Executed the order has been realized and it's active state in the system is ended.

Review and client order reporting

This module is used for widely understood navigation between the orders (previous module made navigation possible but only within a specified customer). There is a function which generates data from the form of the application into the Excel file format. Additionally administrative functions are also available.

### Functions available for e-Procurement system Administrator

### System user management

Adding new system user

Company name <text(200)> obligatory

Data describing the participant. Range and data format according to EAN.UCC XML message specification.

Account expiration date <date> obligatory (results from license fee)

Given solution:

Month <number(2)> obligatory

Year < number (4) > obligatory

Date license fee payment <date> obligatory (paid in advance)

Number of Paged messages < number (10) > obligatory

Number of made messages <number(10)> obligatory – default value is zero

Modify system user data

Modify all previous data

Personal data reservation / disclosing

Entering information on new license fee payment made

Blocking / unblocking system user account

### Defining the languages of the system

Adding new language

Modifying language description, entering a Picture with the flag representing the

language

Review of all definitions present in the system

Adding new definition

Modification of existing definition

Review of translations of system definitions

Adding definition translation

**Deleting definition translation** 

Modifying definition translation

Selecting default translation for definitions

Selecting default system language

### System taxonomy definition

Adding new taxonomy (reference to the companies / products)

Modifying a taxonomy