Message Development
B2B Standards in the Automotive Industry

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"Odette’s Commitment

- To use international standards wherever possible
  - UN/EDIFACT
  - UN/CEFACT CCTS and XML
- To support the needs of the industry
- To co-operate with various standardisation bodies to achieve utmost benefits for our members"
Messages are developed in the context of given/defined business processes

Interoperability can only be achieved with standardised or harmonised processes

Growing international interdependencies require even more process harmonization

For many years Odette is a driving force to develop and describe harmonized processes in the Automotive Industry in Europe
Model Oriented Message Development

- Message development based on a data model provides
  - A toolbox of re-usable and recognizable information components (a.k.a. Business Information Entities)
  - Information entities that are „freed“ from specific EDI syntax requirements
  - Homogeneous and consistent data structures across various process sections
  - A dictionary of business terms for users of existing messages and developers of new messages
  - Enables better communication between business process owner and IT specialist
Model

- «Sequence» Buyer Party
  - Party ID
  - Agency Code
  - Name
  - Company Registration ID
  - Fiscal Registration ID
  - Internal Account ID
  - Tax Registration ID
  - VAT Registration ID

- «Sequence» Address
  - Street
  - City
  - Post Code
  - Sub Country Code
  - Country Code
  - Address Line Text

- «Sequence» Legal Address
  - Address Line Text

- «Sequence» Accounting Contact
  - Contact ID
  - Name
  - Telephone Number
  - Telephone Extension
  - Fax Number
  - Email Address
  - Internal Mail Address
Model versus Syntax

NAD+BY+1234567::92'
RFF+ADE:7656444'
RFF+FC:HRB 99876'
RFF+VA:DE 12300321'
CTA+AD+::Accounting department'
COM+?+49304356789:TE'
NAD+FG++Buyer
GmbH::Industriepark 12:55300
Musterstadt:DE'
JADM = Joint Automotive Data Model

Co-operation between AIAG, JAMA/JAPIA, Odette; later also STAR joined the project

Initial purpose: to harmonize the use of EDIFACT messages in the regions Europe, Japan and North America

A broadened scope today: business process description of typical supply-chain processes, data modelling and messages assembly and “serialization“ in EDIFACT messages

Did considerably contribute to a better understanding of regional requirements and specialties

Unique dictionary of business terms
JADM (Global Data Model)

Global Processes in the Automotive Industry

Processes

North Amerika

Messages

North Amerika

Processes

Europa

Messages

Europa

Processes

Japan

Messages

Japan

Processes

Japan

Global Processes in the Automotive Industry
Global EDIFACT Messages
- DELFOR – Delivery Forecast
- DELJIT – JIT Delivery Instruction
- DESADV – Despatch Advice
- RECADV – Receiving Advice
- INVOIC – Invoice
- REMADV – Remittance Advice

Global Processes in the Automotive Industry

JADM (Global Data Model)
Global Processes in the Automotive Industry

Odette EDIFACT messages

Global EDIFACT Messages
DELFOR – Delivery Forecast
DELJIT – JIT Delivery Instruction
DESADV – Despatch Advice
RECADV – Receiving Advice
INVOIC – Invoice
REMADV – Remittance Advice

Odette EDIFACT messages
INVRPT – Inventory Report
ORDERS – Purchase Order
DELFOR/EXHAND – Delivery Exception Handling
...

JADM (Global Data Model)

Odette Extensions (e.g. B2B, Container Management)
Additional Odette EDIFACT Messages

- Delivery Schedule - Exception Handling DELFOR / EXHAND V1R1
- Despatch Forecast DESADV / FORDIS V3R1
- Purchase Order Change ORDCHG / ORDCHG V5R1
- Purchase Order ORDERS / ORDERR V5R1
- Purchase Order Reply ORDRSP / REPORD V5R1
- Price List PRICAT / PRILST V2R1
- Statement of Account STATAC / STATAC V1R1
- Stock Movement INVRPT / STOACT V2R3
- Transport Consolidation Summary ITCSUM / CONSUM V1R1
- Transport Instructions and Advice IFTMIN / TRINAD V1R1
XML – easy to understand and to debug
  ➢ Data are „tagged“ with a label, which enables to understand the content.

Built-in internet capabilities

Integrated in many modern programming languages (e.g. Java)

One can use the same technology to transmit data, validate data, transform data, and visualise the content in forms, html pages or PDF.
Global EDIFACT Messages
Odette EDIFACT Messages

Global Processes in the Automotive Industry

Odette XML Editor
Odette XML Messages

JADM (Global Data Model)
Odette Extensions (e.g. B2B, Container Management)

Based on Odette XML Recommendation
XML is available for ...

- Global SCM Messages
- Additional Odette SCM Messages
- Container Management (re-usable packages)
- B2B Messages
  - User Administration and User Access Management for portal applications
  - Business Partner Identification
New Processes and Requirements

- Quality management
- Aftermarket – standardisation in data exchange with dealers and garages
- VMI/CMI processes
- Transport messages for the supply chain and 'down stream'
- Data exchange with authorities in cross border transactions
- International standardisation: we have to recognise new emerging standards and to give input to their development
Conclusion

- Standardised messages in the business processes create a real win-win-situation for the business partners.
- There is still a huge potential for gaining effectiveness: support further existing or new emerging processes with standardised messages.
- Odette provides a platform for joint and international development and harmonization of electronic messages.
- But this can only happen with the experts from the industry. Therefore: join!
Recent Proposals

- Exception handling for despatch advice
- Transport avis messages for
- Global inventory report for VMI / CMI processes