Message Development
B2B Standards in the Automotive Industry

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- **To use international standards wherever possible**
  - **UN/EDIFACT**
  - **UN/CEFACT CCTS and XML**
- **To support the needs of the industry**
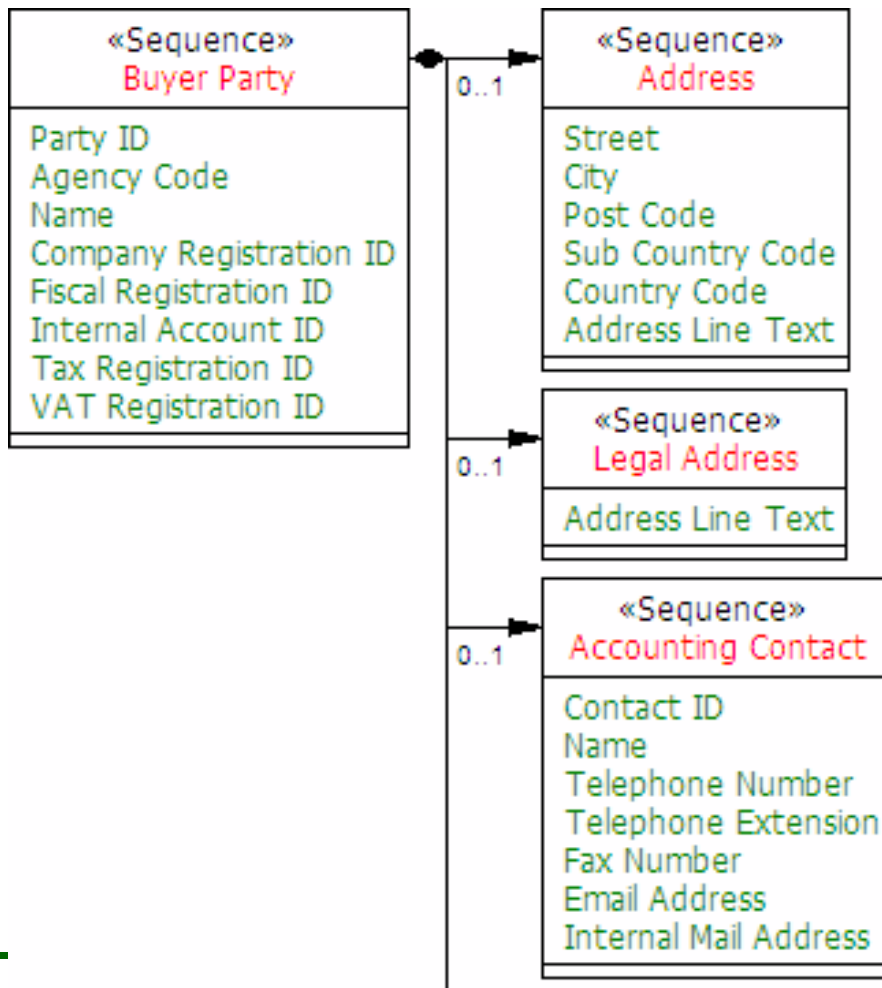- **To co-operate with various standardisation bodies to achieve utmost benefits for our members**

Process Orientated Message Development

- **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**
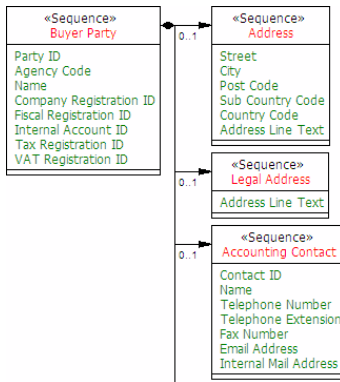
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Model Oriented Message Development

- **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

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'
```
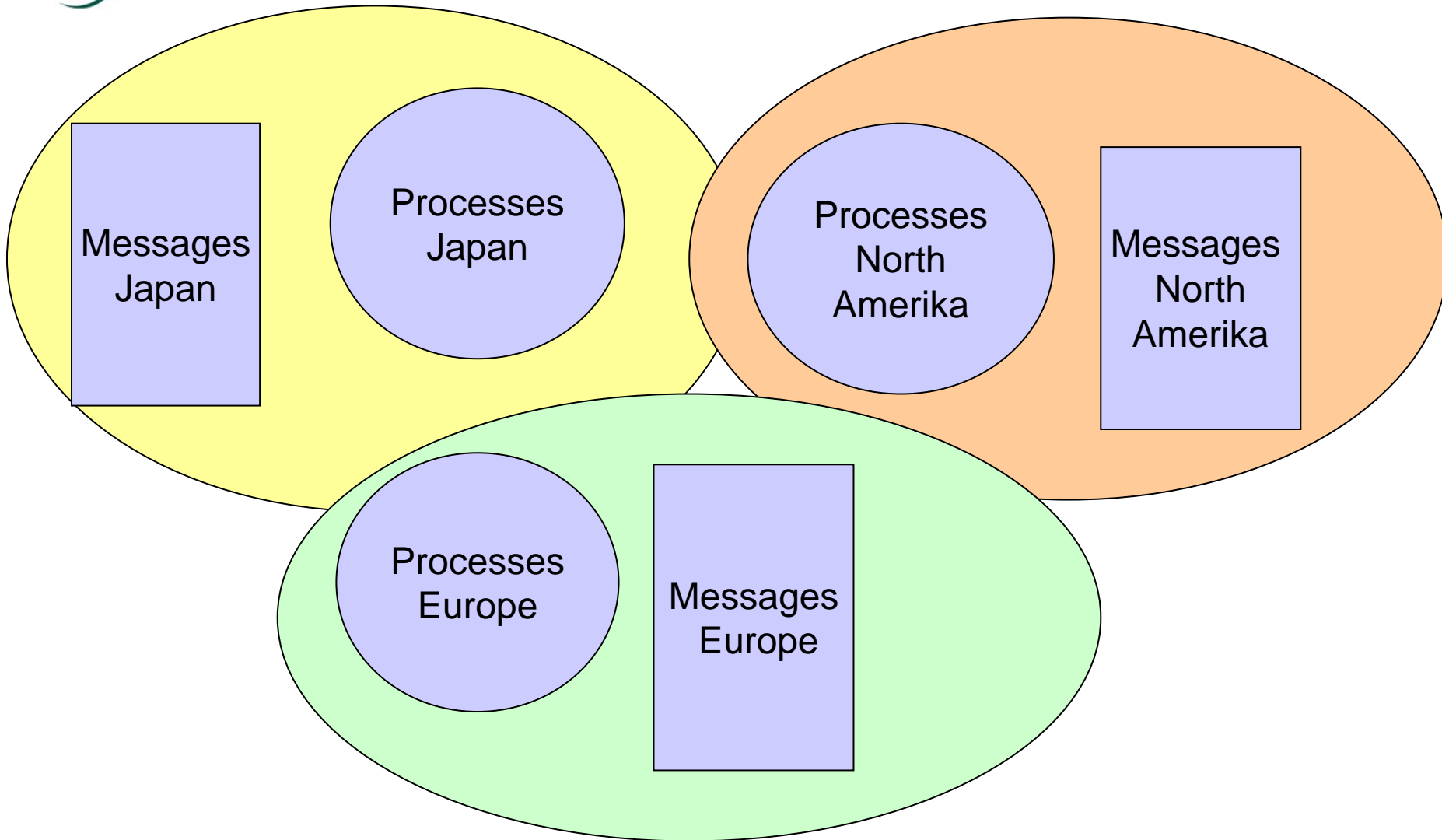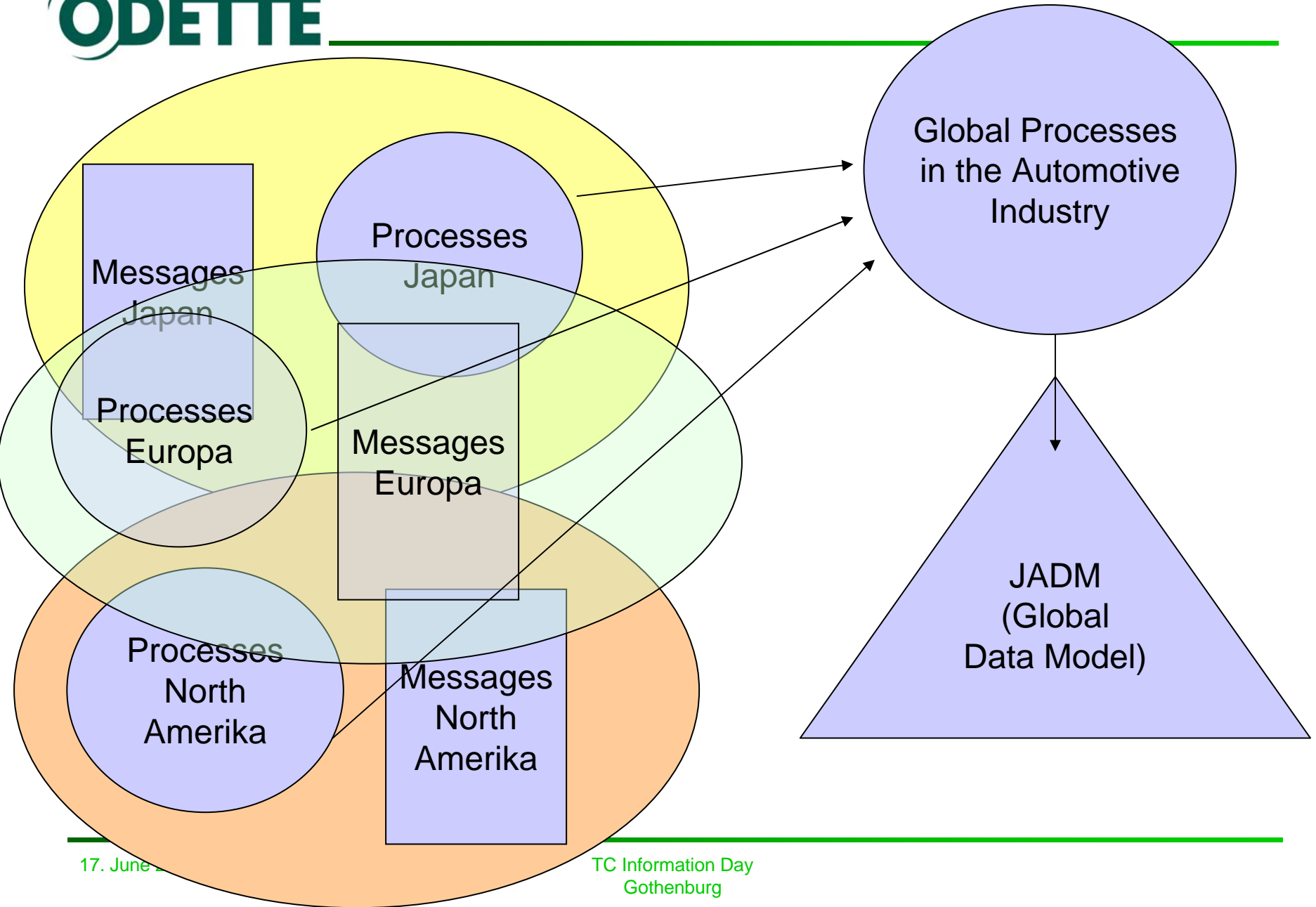
- **JADM = Joint Automotive Data Model**
- **Co-operation between AIAG, JAMA/JAPIA, Odette; later also STAR joined the project**
- **Initial purpose: to harmonize the use of EDIFACT messages in the regions Europe, Japan and North America**
- **A broadened scope today: business process description of 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**

TC Information Day
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Messages Japan

Processes Japan

Processes Europa

Messages Europa

Processes North Amerika

Messages North Amerika

Global Processes in the Automotive Industry

JADM (Global Data Model)

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Global EDIFACT Messages

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

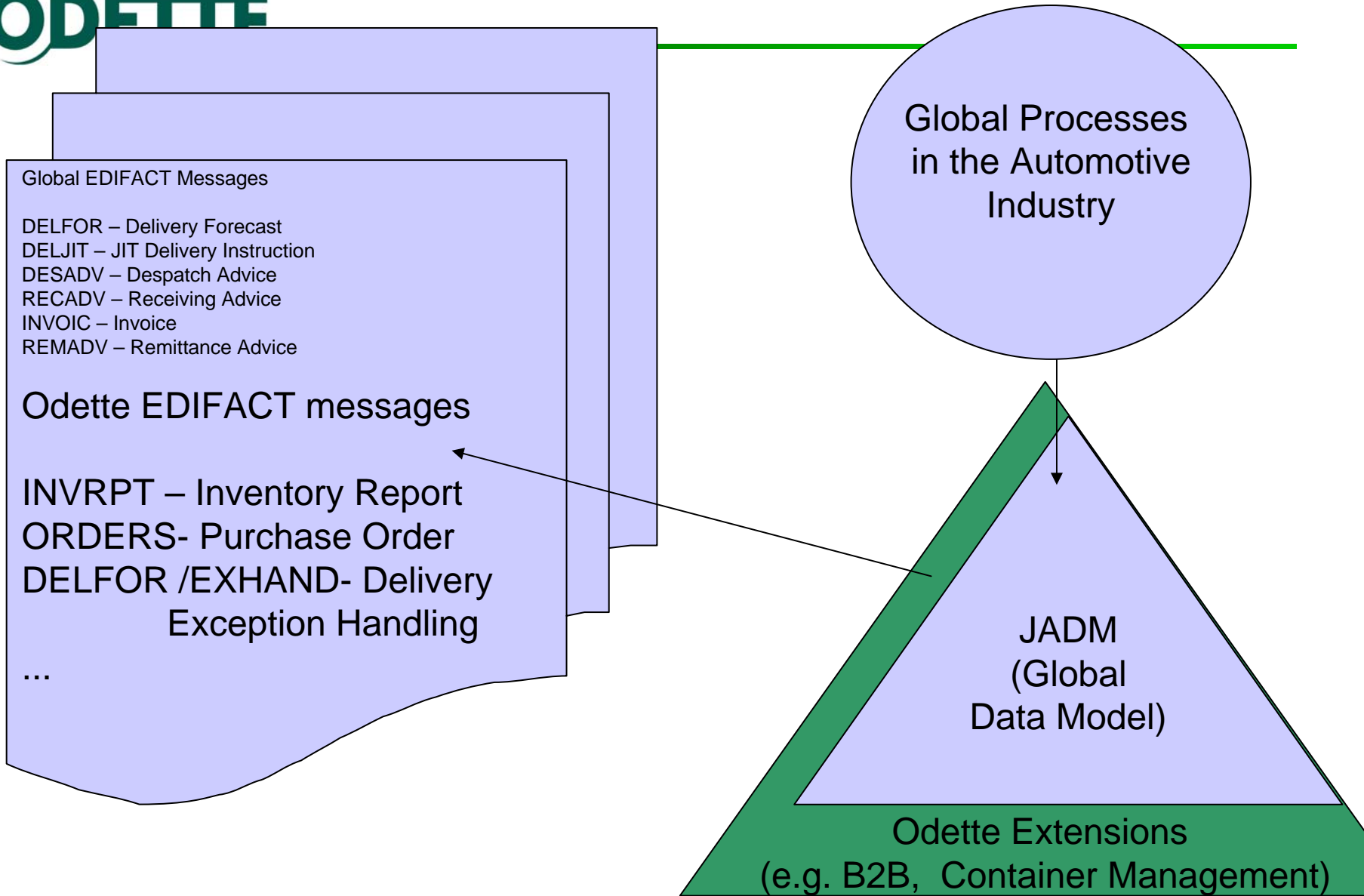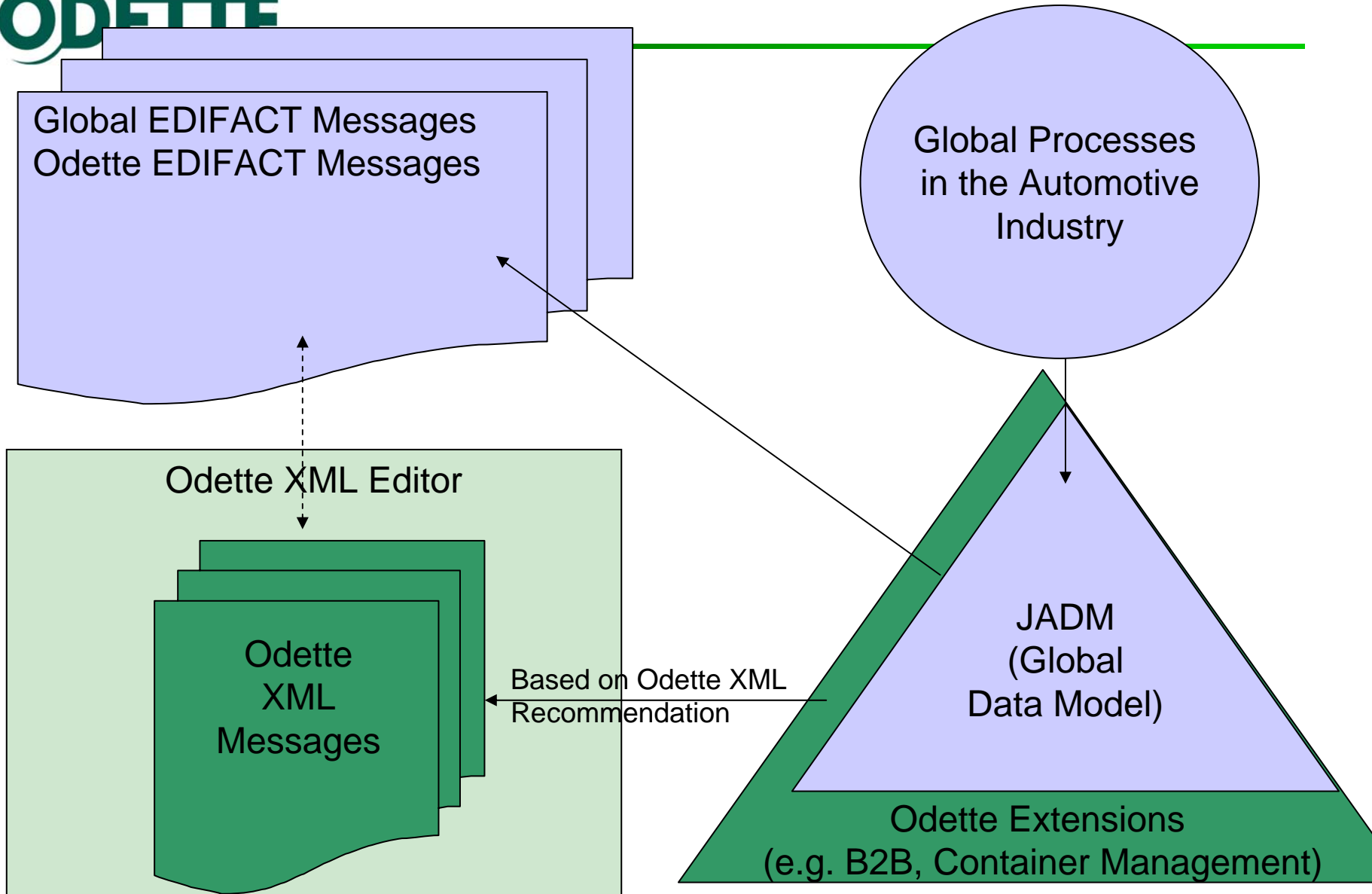Global Processes in the Automotive Industry

JADM (Global Data Model)

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Global EDIFACT Messages

DELFOR – Delivery Forecast
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Odette EDIFACT messages

INVRPT – Inventory Report
ORDERS- Purchase Order
DELFOR /EXHAND- Delivery
          Exception Handling

...

Global Processes
in the Automotive
Industry

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 - new Technology for Message Development

- **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.**

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**

- **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 <u>with</u> the experts from the industry. Therefore: join!**

- **Exception handling for despatch advice**

- **Transport avis messages for**

- **Global inventory report for VMI / CMI processes**

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