Minutes ETC meeting, February 18th and 19th, 2014

Date: Tuesday and Wednesday, February 18th and 19th, 2014
Time: 09:00 – 17:30 and 09:00 – 15:00
Place: Svenska Kraftnät's offices in Sundbyberg (Stockholm)
Participants: Jan Owe, SE, Svenska Kraftnät, Jan.Owe@svk.se
Kees Sparreboom, NL, CapGemini, kees.sparreboom@capgemini.com
Ove Nesvik, NO, EdiSys, Ove.nesvik@edisys.no
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Appendixes: **Appendix A,** Pending list
Appendix B, The tasks of ETC
Appendix C, Participants in ETC
Appendix D, ebIX® Rules for addressing (routing)
Attachment: None

1 Approval of agenda

The agenda was approved with the following additions:

- Multiple standards (IEC and UN/CEFACT), see 18.1 under AOB

2 Minutes from previous meetings

The minutes from previous meeting were approved with the following comments:

- The text regarding "on-the-fly" enumeration lists were corrected
- IEC was only (and not "not") formally represented at the meeting.

3 Matters from previous meeting, mainly connected to smart grid

Homework from previous meeting:

- Kees will ask M490 to come up with requirements for charging poles for vehicles

  Status: Kees has asked, however with no answer to this question yet. The homework will be continued

- Kees will ask M490 to come up with requirements for smart part of the smart meter

  Status: Kees has asked, however with no answer to this question yet. The homework will be continued

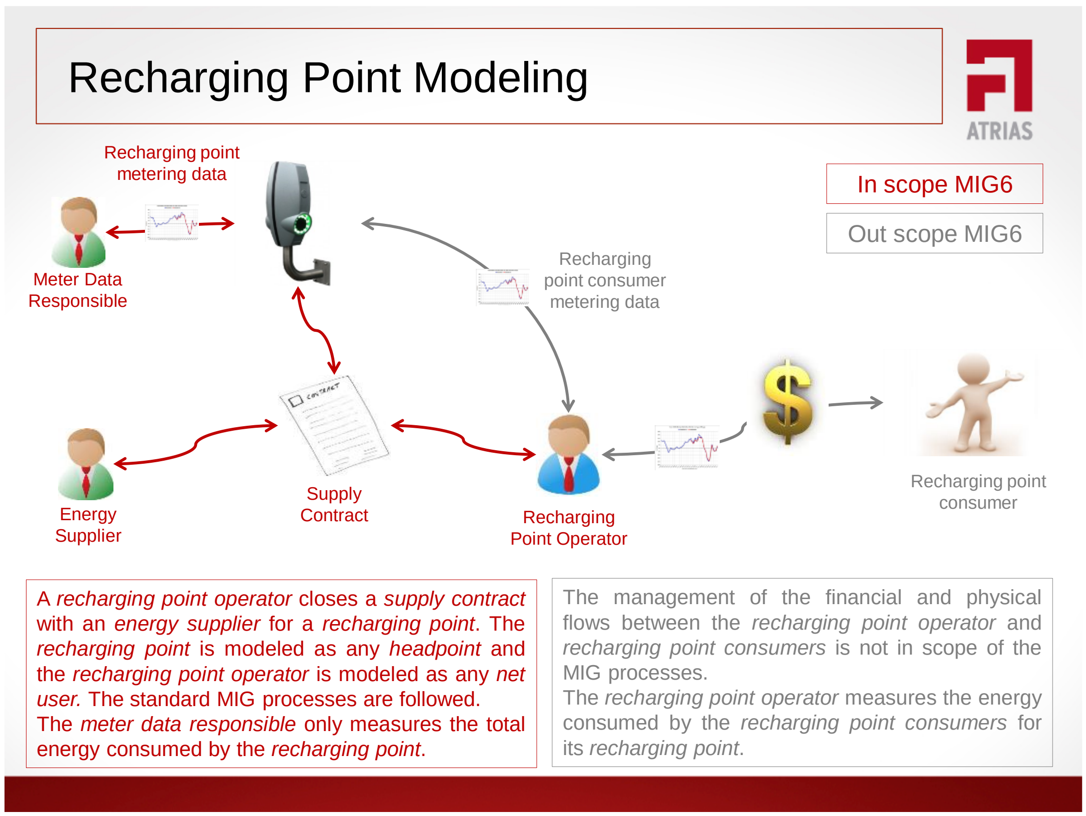
- Kees will make a proposal for a presentation regarding the smart part of the smart meter to be discussed at next ETC

  Status: Postponed, the homework will be continued

- Kees will make a proposal for a presentation related to ID schemes for meters and other installations, to be discussed at next ETC

  Status: We already have a recommendation for using GS1/GIAI and the item was skipped

- Everyone should investigate national requirements for charging poles for vehicles
  - Thibaut explained the Belgian solution:



Conclusion: No need for changes to the Harmonised Role Model

  - In Norway the municipalities normally offers electricity from charging poles for free, hence no need for any changes to the Harmonised Role Model
  - Kees has asked for information about the Dutch regulations, but has not yet received a relevant answer.
  - The homework will be continued

Homework:

- Kees will ask M490 to come up with requirements for charging poles for vehicles
- Kees will ask M490 to come up with requirements for smart part of the smart meter
- Kees will make a proposal for a presentation regarding the smart part of the smart meter to be discussed at next ETC
- Everyone, not already done so, should investigate national requirements for charging poles for vehicles

4 Matters from previous meeting, mainly connected to creation of XML schemas

Homework from previous meeting:

- Kees will contact Christian Huemer for a verification of the usage of the UNSM-like Message Assembly

  Status: Christian has been asked, but without any answer yet. However, Kees has discussed with Christian before and ETC thinks the UNSM-like Message Assembly is OK

- Kees will make a proposal for next ETC for Namespaces to be used
  - In combination with import or include
  - Including how to prefix national models elements and documents, and Nordic documents (common for four countries)

  Status: Postponed, with the comment that the UML stereotype «ABIE» will be transformed to the prefix «MBIE» (Message Business Information Entity), as used in CCBDA (CC Business Document Assembly), when generating XML schemas

Homework:

- Kees will make a proposal for next ETC for Namespaces to be used
  - In combination with import or include
  - Including how to prefix national models elements and documents, and Nordic documents (common for four countries)
  - The UML stereotype «ABIE» will be transformed to the prefix «MBIE» (Message Business Information Entity), as used in CCBDA (CC Business Document Assembly), when generating XML schemas

5 Request from NBS (Nordic Balance Settlement) to make BRP dependent

In the ebIX® documents used for NBS, the BRP will be dependent, i.e. not used in Finland and Norway. Can we make the BRP dependent on national rules?

Conclusion: The question will be forwarded to CuS

6 ebIX® Business Information Model 2014.A

Ove (Erik) had distributed a BIM for Change of Supplier that was reviewed, with the following comments:

- The ebIX® document (BIM) version was changed to 2014.A, i.e. we skipped version 2013.A
- Reference [10] was renamed to ebIX® Business Information Models "for other business areas"
- The Business Collaboration UseCase for Change Supplier was corrected (addition of stereotype for Determine Meter Stand)
- The resulting XML schemas was verified with the Business Requirements and the OCL statements, which resulted in several changes to the ebIX® profile, such as:
  - Change of version to 2014.A
  - Removed the dependency between BRP and TCR in the relevant Event-ABIEs, which became a choice in XML

Kees mentioned that Christian Huemer has advised ebIX® to always constrain the «MA»:

- Today we are splitting the constrains into "Structure" and "BDT" and constraining different ABIEs., i.e.:
  - Structure
    - (re-)specify cardinalities and dependencies for BIEs (BBIE or ASBIE)
  - BDT
    - Restrict (coded) values for CON (content components) and SUP (supplementary components (XML-attributes))
    - (re-)specify cardinality for SUP
- Changing the principle means changing most of the OCL statements, i.e. add the path from the «MA» to the constrained element.
- Kees made a test for the EMD Collected data document:
  - The constrained elements was set to the «MA»-element for all sets of OCL statements for a document
  - A path was added to the relevant OCL statements, i.e. "Self.Payload", "Self.Header and "Self.Process"
  - Several ways of adding the path from the «MA»-element to the constrained element were tested, i.e.:
    - manually adding the path line by line in the OCL statements, but this option may result in more errors then using replace in an editor
    - copying the OCL statements to an editor (e.g. notepad) and use the replace function
    - using the replace function in MD (CTRL+R), but this seems only to work on a package level

    Conclusion: copying the OCL statements to notepad and thereafter use replace for adding the path, seems as the best solution

  - Kees estimated the time for the change to approximately 20 minutes for manual update and 10 minutes for copy to notepad, for each document

Conclusion:

- The publication of ebIX® model 2014.A will await complete update of EMD and CuS BIMs
- We will update the MD model with the proposed principle from Christian Huemer, i.e. always constrain the «MA» in the OCL-statements

7 Business categories

At the latest CuS meeting, beginning of December a general remark was that ebIX® should use UMM2 Base instead of UMM2 Foundation. UMM2 Base indeed covers the fundamental UMM principles. However, the UMM2 Foundation offers the sub-view Business Domain View in order to classify business processes into business categories. UN/CEFACT recommends using this classification, but it is not mandatory. ebIX® is using the Business Domain View, according to UMM, but ebIX® don't use the "standard Business Categories". It was agreed not to start using Business Categories for the time being.

Conclusion:

- ebIX® will not start using Business Categories for the time being

8 Status and test results of updated version of the TT (Transformation Tool)

Peter has investigated possible open source web sites to store the TT source:

- The important feature for such web site is:
  - Version handling
  - An open site for ebIX® members and not for others
  - A safe place to store the source
- The price differs, but is in general low

Homework:

- Kees will ask Peter to write a small decision paper before next ETC

9 IEC NWIP-document

Jan distributed a draft IEC NWIP-document to ETC in December 2013, however without any comments.

During this item, Kees made a small reported from a WG-16 meeting in US. The main conclusion is that there is no conclusion where the ebIX® processes should be harmonised, in WG14 or WG16.

Conclusion:

- We await submission of the NWIP-document until the correct IEC WG is clarified

10ebIX® technical documents

Homework from previous meeting:

- Kees will make a note in the document ebIX® Rules for the use of OCL statements

  Status:
  - Postponed

- Ove will update the footer (similar to other documents) and add a change log to the ebIX® Rules for use of UMM2, and thereafter publish the document.

  Status:
  - The document is published at www.ebix.org.

The document "*ebIX® recommendations for acknowledgement and error handling*", edited by Ove, was reviewed and updated with some editorial changes.

Homework:

- Ove will send the "*ebIX® recommendations for acknowledgement and error handling*" to ETC for circulation for comments for four weeks.

  Note from after the meeting: It was decided, on request from Gerrit, to also send the document on circulation for comments to ebIX® Forum, CuS and EMD

Continued homework from previous meeting:

- Kees will make a note in the document ebIX® Rules for the use of OCL statements, i.e. that the use of OCL for on-the-fly enumeration lists is strictly restricted to be used for date/time formats (but await publication until the TT is ready), including:
    - Addition of relevant parts of the "Spec-document"
    - "on-the-fly" enumeration lists will only be used to restricted date/time formats
    - Patterns may be applied to different purpose (VAT, Date/Time, …). Patterns will be specified in an OCL statement. Belgium will add patterns where needed.
- Kees will as continued homework do some editorial updates of the Introduction to ebIX® Models and publish it, including:
    - Adding a paragraph for national customisation, such as how to qualify national documents, codes etc.

11ebIX®, EFET and ENTSO-E Harmonised Role Model

A draft version (2014-01) of the ebIX® EFET and ENTSO-E Harmonised Electricity Role Model has been sent on circulation for comments to ebIX® Forum, asking for comments before Monday March 3rd 2014.

A proposal for Terms of Reference (ToR) was reviewed:

1. The Harmonised role model is maintained by a permanent working group called the Harmonisation Group (HG)
2. HG shall have members from all member-organisations responsible for the maintenance of the Harmonised role model
3. The members of the HG elect the Chair
4. A Chair can only be elected for a period of maximum two years, and for maximum three consecutive periods
5. No member-organisation may appoint more than maximum four (4) permanent members to the HG
6. The HG appoints a secretary and an editor of the role model
7. All member-organisations may occasionally appoint an additional expert to the HG for specific subjects
8. If a new organisation wants to have a member in the HG, all other member-organisations shall agree to its addition
9. The source of the Harmonised role model will be stored in the "ENTSO-E extra-net". The other member-organisations may publish copies of the role model, preferably as pdf-versions.
10. Updates to these ~~maintenance procedures~~ Terms of References should be agreed upon within the HG and approved by its member-organisations
11. Decisions should be based on consensus. If consensus can't be reached after three meetings, the member-organisations will be informed
12. When consensus is reached a new version of the Harmonised role model shall be submitted to the member-organisations for approval, and publication
13. Only an organisation may submit a change request to the Harmonised role model
14. A change request may concern an addition, modification or suppression of a role, a domain or of a relation between roles or domains, or of a definition to a role or a domain
15. The HG must review a change request within a six month period
16. For new roles, domains or relations the change request should have a description of its context and its business process, and also a description of its relation to other roles, domains and/or relations in the current harmonised role model

17. The chair should ensure that the organisations that submitted changes to the Harmonised role model, are informed about status of the change request and decisions made in the HG concerning publication or rejection

ETC Comments:

- Should there be an even representation from the member countries?
- ETC would like to see ENTSOG and an organisation representing smart developments as part of the HG
- ETC would like to hear ebIX® Forum's opinion on asking IEC (European part) to become responsible for the Harmonised Role Model

Homework:

- Everyone is asked to find possible rules (manual/guide..) for how maintenance requests (MR) to the Role Model could look like, such as requirements for modelling, e.g.:

MR for new Role or Domain	
Name of Role, Domain or Installation	
Definition of Role, Domain or Installation	
Business term for new Role, Domain or Installation	
Associations with other Roles, Domains or Installations	
Dependencies with other Roles, Domains or Installations	
Responsibilities / Legal task of Role	
Related information, such as: • background information • reason why • processes involved	

12tWG

The item was postponed

13Benchmark test of different xml schema versions

The item was postponed

14Status for UN/CEFACT project for Alignment of Master Data for Metering Point and of Measured Data

ETC propose that we start up telephone conferences for the UN/CEFACT WG responsible for the submission of ebIX® CCs, to get our CCs approved by UN/CEFACT as soon as possible. This probably means participation in some telephone conferences (maybe two to three?) for the members of the WG:

- Kees Sparreboom
- Jan Owe
- Ove Nesvik
- Stefan De Schouwer

Action:

- Kees will follow up and invite to the first telephone conference
- Vlatka and Gerrit will be asked to re-join the WG

15Items related to the CuS project

Homework from previous meeting:

- Kees will make a small Word document with examples on how to present mapping of UTILMD and UTILTS information to EDIFACT IGs, i.e. as MagicDraw artefacts

  Status: Not prioritised. Will be moved to the pending list.

- Kees will extract the code lists, BDTs, ABIEs, Qualifiers etc. from Magic Draw, using “Generic Table” and distribute to ETC before next meeting. At the next meeting it will be decided what to publish at the ebIX® web site.

  Status: Prioritised. Will be put on next ETC agenda.

- Ove will update the version number of the CuS Structure model to 2013.A

  Status: The model was updated to 2014.A, see item 6, ebIX® Business Information Model 2014.A

16Information from ENTSO-E/WG-EDI meetings (Fedder)

No information

17Next meeting(s), including start and end time.

Monday March 24th and Tuesday March 25th, 2014, in Oslo

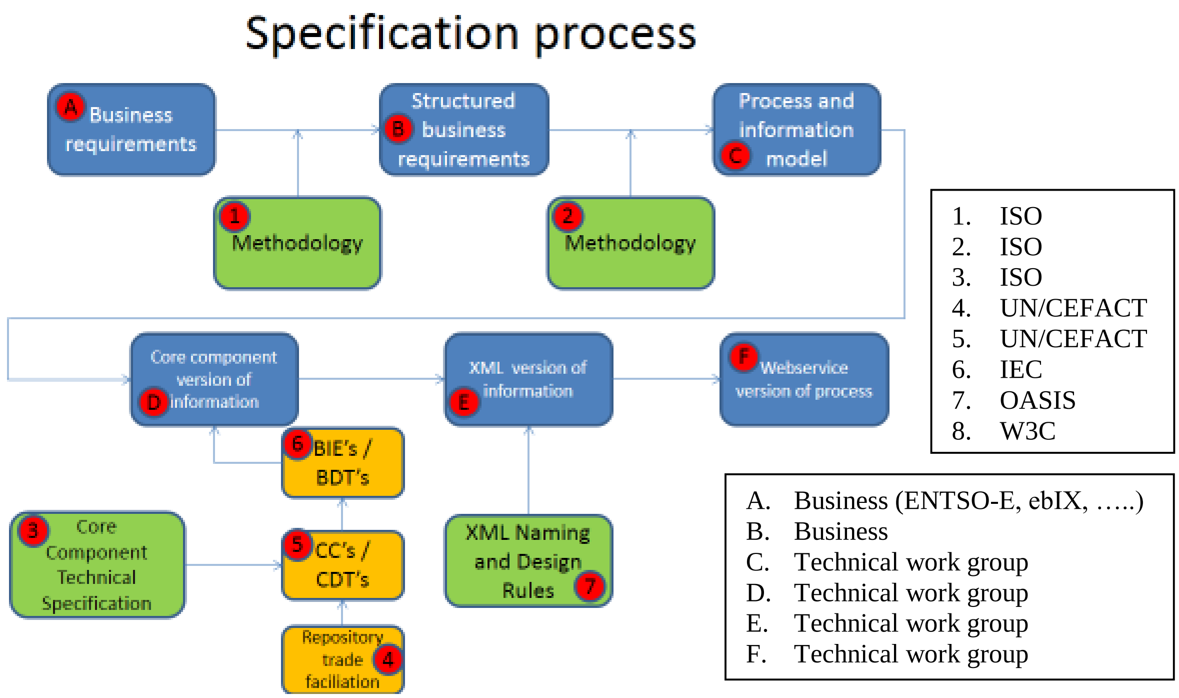
(the spring ebIX® Forum meeting will be held Wednesday March 26th, with a common ebIX® Forum and ETC dinner on the evening of March 25th)

18AOB

18.1 Multiple standards (IEC and UN/CEFACT)

Kees presented a draft document from the Dutch UN/CEFACT delegation. The document intend to ask UN/CEFACT to go “back to its roots”, i.e. concentrate on trade facilitation and avoid technical standards. Kees commented that semantics (information) and responsibilities (role model) is important for UN/CEFACT and that related methodology is needed.

Kees also presented a model for the steps in standardisation:



According to this model ebIX® work with both UN/CEFACT and IEC. In UN/CEFACT for maintenance of CCs and IEC for harmonising the ebIX® BIEs with CIM.

Homework:

- Kees will prepare a presentation regarding ebIX® international contacts and co-operations:
  - IEC
  - UN/CEFACT
  - …
- Jan will prepare a presentation regarding a strategy discussion on the coming ebIX® Forum meeting, e.g.:
  - Are we on the right track?
  - Do we spend our money on the right projects?
  - Where to do standardisation, such as Core Components (CC), Business Information Entities (BIE), processes, technical standards etc.?

Appendix A PENDING LIST

1 ebIX® recommended identification scheme

Chapter 7 from the «ebIX® common rules and recommendations» should be a basis for a new chapter in the ebIX® recommended identification scheme document, see Appendix D.

2 Creation of an ebIX® technical presentation

3 ebIX® Business Information Models

4 How to describe XML schemas

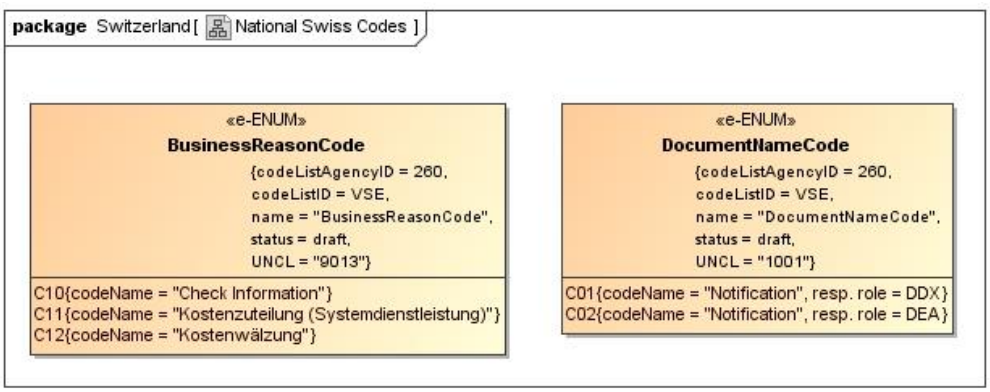
Swissgrid has looked into alternative ways of describing XML schemas, as an alternative to the current OCL statements:

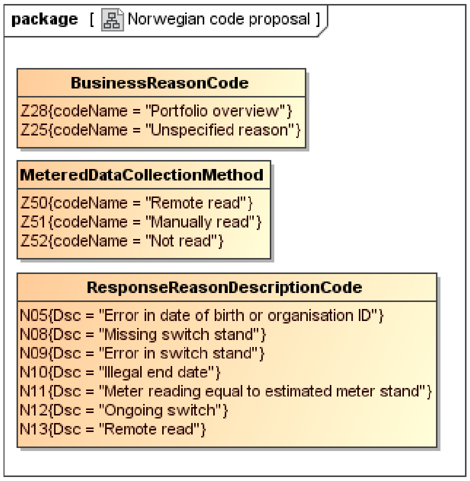
1. Using the generator as shown last or pre-past meeting. The example is attached.
2. Create very nice documents with this product: http://www.filigris.com/products/docflex_xml/xsddoc/#intro

Probably, we should first exactly define the audience for this document. For developers and architects, a very basic documentation like xml-spy test.doc will be fine, for more sales- and marketing oriented users, the reports have to be nice and probably a little bit fancy… like the examples from the docflex.

5 Review of National code lists

The following code lists comes from a review in the CuS WG and are candidates for updates of the ebIX® models:





6 ebIX® Modelling Methodology

Homework from earlier meetings:

- Those who have time are asked to read the ebIX® Modelling Methodology (see www.ebix.org) and see if there are parts of it that have to be moved to the *ebIX® Rules for the use of UMM2* or *Introduction to ebIX® Models* documents.

7 Review of ETC tasks in Appendix B

8 Status for test of a web-conference solution

Set up a test, one-to-one, with relevant ETC web-conference participants, to get all up and running before next web-conference.

9 ebIX® header:

a) Do we want the following rule?

> *The requestor id and the requestor role (Business process role) for the actor (role) that asks for changed, added or deleted information of another role shall be stated in the document header.*

b) Do we need a test indicator?

c) The content of the Energy Document and Energy Context ABIEs needs a review

Appendix B THE TASKS OF ETC

Task	Group	Priority	Planned
Update of Introduction to Business Requirements and Information Models		High	Every Q1
Making ebIX® Recommendations for usage of WEB services including recommendations for acknowledgement and error handling		Medium	2013
Review of "Rules for status and consequences for ebIX® documents"		Medium	Every Q1
Maintain the ebIX® technical documents: • ebIX® Rules for the use of UMM-2.0 • ebIX® common rules and recommendations (v1r1D) • ebIX® Recommendations for asynchronous acknowledgement and error handling (v1r0C)		Medium	Every Q2
Other tasks: • Restructuring of UTIL-messages to reflect the structure of CCs (if we keep on mapping to EDIFACT) • 2nd generation Harmonized Role Model for Electricity and Gas • ebIX® Header	 CuS, EMD and ETC Together with ENTSO-E?	 Low Medium High	 ? 2013 2013
Maintain ebIX® profile for MagicDraw, including: • Core Components • Code lists • Templates, etc.		Continuous	
Participation/representation in the ENTSO-E and ebIX® technical WGs • Maintaining harmonised role model • Core Components • Information exchange between participation organisations	Together with ENTSO-E	Continuous	
Participation in UN/CEFACT		Continuous	
Cooperation with IEC/TC57/WG16		Continuous	
Organise implementation support, such as: • ebIX® course • Implementation support for participating countries, such as inserting/updating codes.		Continuous	
Supporting ebIX® projects, i.e.: • Develop and maintain the UMM *Business Choreography View* and		Continuous	

Task	Group	Priority	Planned
Business Information View from the CuS and EMD working groups. • Develop and maintain XML schemas based on the *Business Information View* from the CuS and EMD working groups			

Appendix C PARTICIPANTS IN ETC

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Appendix D EBIX® RULES FOR ADDRESSING (ROUTING)

D.1 Definitions

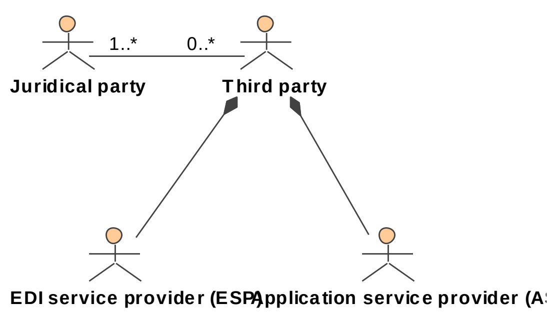
Juridical party: In this chapter the term juridical party will be used for the party juridical responsible for sending or receiving information.

Business process id: The key element in routing and addressing is the Business process that will be identified by a code called the Business Process Identification (BPI). BPI also serves as the key element to indicate the business process capabilities of a party. The user group, government agency, or national ebIX® group making a Business information model assigns this code.

Party id: The identification of a party, i.e. the party's EAN location number or the party's EIC (ETSO Identification Code).

Third party: A party acting on behalf of the juridical party (as an intermediate) in a message exchange scenario. In between the juridical parties there may be several third parties. These intermediates can have different responsibilities, such as routing of documents, conversions to/from EDIFACT/XML and/or handling of the document content on behalf of the juridical party. Intermediates only doing routing of messages will not be a part of the addressing principles discussed below. The third parties may be split into the following two subtypes:

- **Application service provider (ASP):** A third party that takes care of the database (application) for a juridical party. The ASP is responsible for returning application acknowledgements, such as APERAK.
- **EDI Service Provider (ESP):** A third party that is responsible for the document exchange on behalf of the juridical party, including conversion of documents. The ESP is responsible for returning syntax related acknowledgements, such as EDIFACT CONTRL.

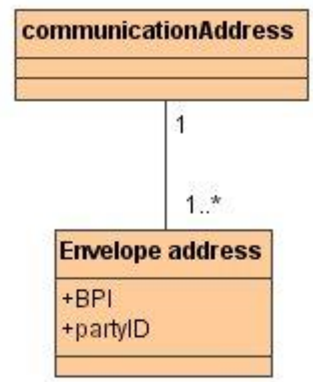


Relationship between roles in document exchange

A juridical party can choose whether or not to use one or more third parties in his document exchange. It is also possible to combine usage of third parties for one or more business areas and handle the document exchange himself for other business areas.

D.2 Principles for addresses and identifications

1. The juridical party may choose whether to use one or more third parties as intermediates in a document exchange scenario.
2. A juridical party can only have one party id for each BPI.
3. Routing of documents, including acknowledgements, shall use the same principles even if third parties are used.
4. In case of additional routing information a BPI shall be used for routing of documents to the right business process through its identification.
5. The main use of the addresses in the envelope (for EDIFACT in UNB) is routing purposes. The routing information includes information related to the BPI.
6. A recipient id combined with the related BPI in the envelope (for EDIFACT in UNB) can only be linked to one communication address, but a communication address may be linked to several combinations of party ids and/or BPIs.



7. It shall always be the juridical party, the party legally responsible for sending or receiving the information, that is identified in the document header level (for EDIFACT in the NAD segment).
8. Either EAN or EIC (ETSO Identification Code) identification scheme shall be used as party id.
9. The BPI concerned shall be stated in the envelope.
10. Acknowledgements of acceptance, such as EDIFACT/APERAK, shall be treated as any other document regarding the addresses. I.e. the sender address, including BPI (sub address) in the original document, shall be sent as receiver address in the application acknowledgement. And the receiver address, including BPI (sub address) in the original document, shall be sent as sender address in the application acknowledgement.
11. Acknowledgements of receipt, such as EDIFACT/CONTRL documents, shall be returned with opposite addresses. I.e. the sender address, including BPI (sub address) in the original document, shall be sent as receiver address in the syntax acknowledgement. And the receiver address, including BPI (sub address) in the original document, shall be sent as sender address in the syntax acknowledgement.