Minutes ETC meeting, November 27th and 28th, 2012

Date: Tuesday and Wednesday, November 27th and 28th, 2012
Time: 09:00 – 18:00 and 09:00 – 15:00
Place: swissgrid, Laufenburg, Switzerland
Participants: Davy De Winter, Atrias, davy.dewinter@atrias
Jan Owe, SE, Svenska Kraftnät, Jan.Owe@svk.se
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Vlatka Cordes, RWE, Vlatka.Cordes@rwe.com (1st day)

Attachment: CCBDA and UMM 20121127.pptx   See item 13.1, CCBDA

1   Approval of agenda

The agenda was approved with the following additions:

- CCBDA, see 13.1 under AOB
- Membership / observing members, see 13.2 under AOB
- UN/CEFACT project for Alignment of Master Data for Metering Point and of Measured Data, see 13.3 under AOB
- Benchmark test of different xml schema versions, 13.4 under AOB
- Upgrade of MagicDraw to version 17.02, see 13.5 under AOB

2   Minutes from previous meetings

The minutes from previous meeting was approved.

3   Improvement of the quality of the Role Model definitions and associations – Main item for one of the days

The list of proposed changes to the Role Model, not yet dealt with by the HG, was reviewed and updated, see Appendix A.

CuS will be asked to discuss the need for addition of a *Customer* and/or contracts related to the *Consumer*.

Homework:

- Ove will send the comments to change-proposals to the HG.

4   Preparation of contact with IEC/TC57/WG14

Kees had received a request by the general secretary of IEC (Frans Vreeswijk) to provide a document with background information on the creation of new parallel standards by IEC groups (such as alternative CCTS and NDR and separate CC's). He agreed that it sounded a bit strange, and agreed that of course we should avoid duplication of standards, but needed more information. Therefore Kees prepared a document, which had been

distributed to the ETC participants. Kees had also sent the document to UN/CEFACT for comments. The document was reviewed, and a few clarifications were added. Kees will send the document to UN/CEFACT, asking UN/CEFACT to forward it to IEC.

During the discussion above Ove mentioned that there is a good example in the "CIM for Environmental Data". Weather data standards, such as TMY3 and WXXM are used for creation of two IEC profiles to cover CIM for Environmental Data representations. The better solution would be if all these standards and profiles had been merged into one international standard within UN/CEFACT.

How to proceed to start the cooperation with IEC was discussed:
- It was agreed that Vlatka should write a mail to Thierry Lefebvre (Chairman of IEC TC57) and Andreas Huber (Secretary of IEC TC57):
  - Avoid reference to the ongoing ENTSO-E work.
  - Invite IEC (such as WG 14 and WG16) to a joint meeting with ETC, preferably in Europe.
  - The meeting will be proposed as a brainstorming session on how IEC and ebIX® can cooperate.
- ETC must make a presentation of the ebIX® work, e.g.
  - UMM
  - UN/CEFACT CCTS
  - ebIX® BRSs and Information models
  - Mention the Gas sector.
  - …..

Vlatka mentioned the organisation "EDSO for Smart Grids". EDSO is an organisation gathering 30 Distribution System Operators from 17 EU countries, covering 70 percent of the EU points of electricity supply, see http://www.edsoforsmartgrids.eu/. Vlatka will contact EDSO and see if a MoU or some other cooperation can be interesting.

Homework:
- Kees will send the document to UN/CEFACT, asking UN/CEFACT to forward it to IEC.

5 Update of ebIX® Documents

5.1 Homework from previous meeting:
The «ebIX® recommendations for acknowledgement and error handling» will be republished after update. Ove had as homework to make a proposal, however Ove needed some input about what to include before he could finalise the proposal. The following was agreed:

- To use UMM terms and put old ebIX® terms as footnotes.
- Rename of the document to «ebIX® recommendations for **asynchronous** acknowledgement and error handling» (addition of the term **asynchronous**).
- The following terms will be used:

UMM term	Old ebIX® term	EDIFACT
Acknowledgement of receipt, positive	Acknowledgement of receipt	Positive CONTRL
Acknowledgement of receipt, negative	Syntax error report	Negative CONTRL
Acknowledgement of processing, positive	Acknowledgement of acceptance	Positive APERAK
Acknowledgement of processing, negative	Model error report	Negative APERAK
Responding business document	Processability error report	Abandoned
Responding business document	Responding business document	UTILMD, UTILTS…..

During this item the task of making EDIFACT implementation guides in parallel with XML schemas was added to the ETC pending list in Appendix C.

Kees had as homework to update Appendix D in «ebIX® common rules and recommendations». The proposed homework was reviewed and the following changes were agreed:
- Add the stereotype «EDIFACT» to all EDIFACT related classes in the artefact.
- Rename the "«MA» Business Document" to "«EDIFACT» Business Document Set".
- Rename "Edifact Despatch" to "«EDIFACT» Despatch"
- Rename "Edifact Document Header" to "«EDIFACT» UNH"

Homework:
- Ove will continue updating the «ebIX® recommendations for asynchronous acknowledgement and error handling».
- Ove will add appendix D and publish the updated «ebIX® common rules and recommendations» at www.ebix.org.

5.2 *ebIX® recommended identification scheme*
The following item was postponed:
- Chapter 7 from the «ebIX® common rules and recommendations» should be a basis for a new chapter in the ebIX® recommended identification scheme document, to be created on next (or a later) ETC meeting, se Appendix F.

6   tWG
No information

7   Request from CuS:
The homework from previous meeting was reviewed:
- Ove will make proposals for a mapping table and a modelled solution, using dependencies («represents») for the BRV classes to the BIV classes.
  Status:
      The two examples were reviewed and it was agreed that both examples were too "complicated". What is needed is a description of the link (mapping) between terms used in the BRV that are not intuitively recognisable in the BIV.
  Conclusion:
      Kees will try finding a way of making a dependency-matrix in MD for next ETC meeting.

- Kees and Ove will make a list over possible shorter names for Message assembly for EMD and CuS documents
  Status:
    The proposal from Ove was discussed:
    o Ove had made a proposal, which not was seen much as better than what we have today:
        ▪ Using abbreviations for processes (End Of Supply = EoS) will be difficult because several processes will get the same abbreviation
        ▪ Using abbreviations for Roles might be a possibility (e.g. BS, BRP, MDR etc.). These abbreviations are often used today. However, changing the whole MD model will take a lot of time and best practice says that abbreviations should be avoided.
    o Kees mentioned that SAP/ISU has problems when the name exceeds 120 characters. However no ebIX® name is more than about 60 characters.
  Conclusion:
    We keep the current names.

- Ove will remove Status type (39/41) by updating the OCL statements
  Status:
    Done

    During this item the XML schemas was compared with the BRV and the following was noted:
    o The Reason code is [1..*] in Reject Change of Supplier and [1] in Reject End of Supply. CuS will be asked to verify.
    o It is currently not possible to have some parties where only ID is used and others that include both Name and ID.
        ▪ One solution is making another "Party ABIE", such as "Energy MP Party" (in addition to "Energy Party").
        ▪ Another solution may be to use different namespaces.

- Ove will find a justification for the request for addition of *MP Reading Characteristics* for next ETC meeting
  Status:
        A proposal was reviewed and sent back to CuS. CuS is asked to see if the *MP Reading Characteristics* should be part of Meter Characteristics instead of MP Characteristics.

During this item it was noted that Atrias will prepare a presentation for the next ETC meeting about the Service Delivery Point Concept, to see if it is in line with the ebIX® model and the Harmonised Role Model

Homework:
- Atrias will prepare a presentation for the next ETC meeting about the Service Delivery Point Concept, to see if it is in line with the ebIX® model and the Harmonised Role Model.
- Kees will see if he can find another solution than making a new "Party ABIE", such as using different namespaces (e.g. for making it possible to include a *Customer name* in addition to the *Customer ID*).

8   ebIX®, EFET and ENTSO-E Harmonisation Group (HG)
The Role Model subsets and related text for Measure, Reconciliation and Master Data from Kees and Ove were reviewed and agreed, see Appendix B.

Vlatka stressed that the Harmonised Role Model should be updated with new roles needed for «Smart Grid» and «Smart Metering». A proposal was to invite ETSI, see www.etsi.org, EDSO and Eurelectric to participate in making a model regarding Smart Grid, first outside the HG. Vlatka will follow up the proposal.

Homework:
- Ove will send the subsets of the Role Model used in EMD and CuS to the HG.
- Jan and Ove will find a proposal for the new role *Trader*.

9   Web Services

9.1   AS4
It was agreed to arrange a first meeting in an AS4 project as one of the two days of the next ETC meeting, i.e. January 22nd or 23rd. An agenda was proposed:
1. Getting an overview of AS4
2. See if ebIX® should recommend AS4 as a common subset for the European energy industry
3. Check security options
4. Is AS4 simple enough? Can ebIX® propose (recommend) a profile for AS4?
5. Investigate the consequences for header information (related to SOAP, SBDH, SMTP, FTP…)

6. Propose a project plan

Homework:
- Davy will discuss internally with Cedric and come back with questions and priorities during mid-December.
- Everyone should try finding participants to the AS4 project. Participants should preferably have experience/knowledge regarding WS.

9.2   Review of Slovenian WS implementation
David Batič has informed Borzen (SI market operator) that ETC is willing to validate the project that was conducted according to UMM-2 at Borzen (see also last ETC minutes, *21.6 Slovenia, EDI: wdsl*). During the latest ebIX® Forum Vlatka stated that there is a portion of the budget for 2012 left and can be dedicated to this task.

What ETC can verify is the MagicDraw models, i.e.:

- The MagicDraw model:
  - ebIX® will see if it can be integrated in the core ebIX® model with national OCL constraints
- The Business Information Model
  - To check whether it is correct according to relevant standards
- The Business Requirements Specification (BRS)
  - The BRVs is more correctly handled by the business projects (CuS and/or EMD). However for once ETC may check it.

David was informed of the above list during the meeting.

The verification will be done by Kees.

10   Next meeting(s), including start and end time.
Slovenia (Andrej and Vanja) are proposing the organization of first or any other ETC meeting within the next calendar year. Based on the scheduled dates they will have to validate the proposal on organization with their management, so please provide possible dates as soon as possible.

- A. January 22nd and 23rd (Tuesday and Wednesday) 2012, in Slovenia or Belgium
  - One of the days reserved for WS (AS4)
- B. March 12th and 13th (Tuesday and Wednesday) 2012, place to be found

11   Business Document Header (BDH)
The item was postponed.

It was however noted that the content of the Energy Document and Energy Context ABIEs needs a review.

12   ebIX® Transformation tool

12.1   Homework from previous meetings:
Earlier homework related a Version Control System was skipped until a better way of handling versions is needed.

12.2   Status for updates
Earlier priorities were reviewed and agreed. Kees expect the updates to be done by the end of January next year.

13   AOB

13.1   CCBDA
Kees had distributed a mail conversation from UN/CEFACT where the latest version of CCBDA has been discussed. The CCBDA is based on an older (however currently latest published) version of CCTS, 2.01. The CCBDA contradict with the next version of CCTS (v3.0), the published UPCC and the ebIX® models.

Ove had, when reviewing the CCBDA document, made a presentation trying to explain the difference between CCBDA principles and ebIX® principles, see attached presentation.

There is nothing more ebIX® can do on short time.

13.2   Membership / observing members
Vlatka had received a request from Elexon, a UK company delivering the Balancing and Settlement Code, to be an observer in ebIX®. Vlatka will invite them to participate in one of the business groups, CuS and/or EMD.

13.3   UN/CEFACT project for Alignment of Master Data for Metering Point and of Measured Data
Kees informed that until now he has not received any reaction to the call for participation in the "UN/CEFACT ebIX-project", although UN/CEFACT has published a call for participation on October 12 (see the news for that date on the CEFACT website: http://www.unece.org/cefact.html):

> 12 October 2012: UN/CEFACT Bureau has approved the project proposal on Alignment of Master Data for Metering Point and of Measured Data in the deregulated Energy Market (AMD MP & MD). Project Leader, C. Sparreboom, is pleased to announce the Bureau's plans to launch the project and issue this call for participation. The project proposal, sign-up information, and other details are available.

The following participants have already been mentioned in the project plan:

Project Leader	Kees Sparreboom
Editor 1	Ove Nesvik
Member	Vlatka Cordes, RWE, DE
Member	Gerrit Fokkema, EDSN, NL
Member	Christian Odgaard, Energinet.dk, DK
Member	Jan Owe, Svenska Kraftnät, SE
Member	Norbert Suter, Swissgrid, CH
Member	Carsten Brass, EDNA/KISTERS, DE

Homework:
- Kees will send a mail to the participants listed above, asking them to register at the UN/CEFACT web site.

13.4 *Benchmark test of different xml schema versions*

It was proposed to make a performance test (benchmark test) of two different xml schemas with the same data context, such as an EMD schema and an ENTSO-E schema.

Homework:

- Kees will make a proposal for a benchmark test before next meeting.

13.5 *Upgrade of MagicDraw to version 17.02*

Davy asked if ebIX® should upgrade MagicDraw from version 17.0 to version 17.02 (service pack 2).

Downward compatibility between version 17.0 and version 17.02 A was tested, which showed that it not is possible to read version 17.02 models in version 17.0.

The item will be put on the next ETC meeting agenda.

----------------------- If time items -----------------------

The following items was postponed:

14   Creation of an ebIX® technical presentation
15   ebIX® Business Information Models
16   Review of National code lists
17   ebIX® Modelling Methodology
18   Review of ETC tasks in Appendix C
19   Information from ENTSO-E/WG-EDI meetings (Fedder)
                          ---------- Items for later meetings (to be membered) ----------
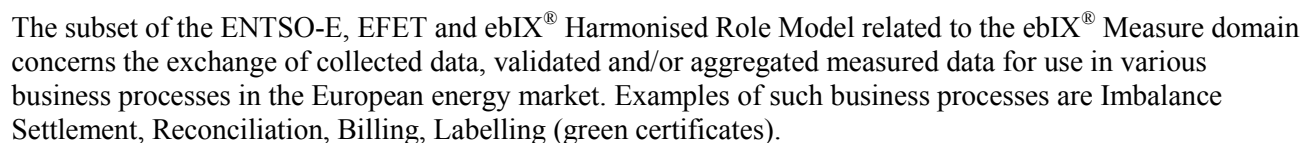**20   Status for test of a web-conference solution**

Appendix A   ISSUES HARMONIZED ROLE MODEL

	Issue	Should be	Should not be	Comment	Decision
1.	Association Functional Group – Metering Point	Association Functional Group – local Metering Point: Is composed of		Within a Market Balance Area local MP's are relevant for settlement The Role Model is OK as it is now. The item can be removed.	Postponed
2.	All associations between UCTE elements			To be removed or redefined; What is physical and what is administrative?	
3.	Association Control Area – Market Balance Area			Is a Control Area built from Market balance Areas or from Metering Grid Areas?	
4.	Association Metered Data Responsible – Metering Point	Processes ~~metered~~ measured data for	Processes metered data of	…. **for** instead of ….**of** and rename "metered" to "measured"	
5.	Association Functional Group – Balance Responsible			Putting the Functional Group between Balance Responsible and local MP implies that a change of BR is not a change of role for MP anymore and opens the possibility to have several BR's for a local MP. The Role Model is OK as it is now. The item can be removed.	
6.	Functional Group			To be removed	
7.	Association System Operator – Market Operator		Reports schedules to	To be removed or redefined	
8.	Association System Operator – Imbalance Settlement Responsible		Reports planned and regulation data to	To be removed or redefined	
9.	Association System Operator – Balance responsible		Confirms schedules to	To be removed or redefined The Role Model is OK as it is now. The item can be removed.	
10.	Association System Operator – Balance responsible		Direction (SO confirms instead of BR!)	Direction reversed The Role Model is OK as it is now. The item can be removed.	
11.	Association Balance Responsible – Market Operator		Sends schedules to	To be removed or redefined The Role Model is OK as	

|	Issue	Should be	Should not be	Comment	Decision
				it is now. The item can be removed.	
12.	Association Balance Responsible – Market Operator		Sends bids to	To be removed or redefined The Role Model is OK as it is now. The item can be removed.	
13.	Association MOL Responsible – System Operator		Provides MOL to	To be removed or redefined	
14.	Association Market Information Aggregator - System Operator		……….	To be removed or to be defined Compare with Billing agent	
15.	Association Profile Maintenance Party – Metering Grid Area	Maintains profile categories for		To be added The Role Model is OK as it is now. The item can be removed.	
16.	Association Interconnection Trade Responsible – Nomination Validator		Sends nominations to	To be removed or redefined	
17.	Association Nomination Validator – System Operator		Depends on	To be removed or redefined	
18.	Association Nomination Validator – Transmission Capacity Allocator		Keeps informed	To be removed or redefined	
19.	Associations Balance Supplier and both the Consumption and the Production Responsible		Is contracted with	Could this be clarified? What kind of contract? Why not remove the Consumption- and production Responsible Party?	
20.	Could we introduce specializations for the Consumer (which is already a specialization of the Party Connected to the Grid?)			Reason: various customers having each a contract with either the Balance Supplier or the Grid Access Provider.	
21.	Should the association between AP and PCG be 1..* instead of undefined.			Added during meeting January 24-25 2011	
22.	Addition of *Accounting point responsible*.			Added during meeting January 24-25 2011 **ebIX®** do not support this addition	
23.	Addition of the new role, *Trader*. Alternatively the *Block energy trader* could be modified to cover both roles			Added during meeting January 24-25 2011	
24.	Addition of *Local register*: An administrative entity of validated energy			Added during meeting January 24-25 2011 Proposal: Rename to	

	Issue	Should be	Should not be	Comment	Decision
	volumes that have been established by an agreed set of algorithms. ***Additional information*** A logical register may be linked to one or more physical registers. It may also be a calculation algorithm. For example: it may be used for public lighting for the calculation of losses			"Logical register"	
25.	Addition of *Information receiver*. This role is defined in the ENTSO-E role code list and should be added to the role model: A party, not necessarily a market participant, that receives information about the market			Added during meeting January 24-25 2011 How to define the "responsibility"?	

Appendix B   PROPOSAL FOR TEXT FOR THE EBIX® SUBSET IN THE ROLE MODEL

Measure

The subset of the ENTSO-E, EFET and ebIX® Harmonised Role Model related to the ebIX® Measure domain concerns the exchange of collected data, validated and/or aggregated measured data for use in various business processes in the European energy market. Examples of such business processes are Imbalance Settlement, Reconciliation, Billing, Labelling (green certificates).

Reconciliation

The subset of the ENTSO-E, EFET and ebIX® Harmonised Role Model related to the ebIX® business process for Reconciliation (as part of the ebIX® Settle domain) concerns the exchange of business data in the various steps of the reconciliation process in the European energy market.

Master Data
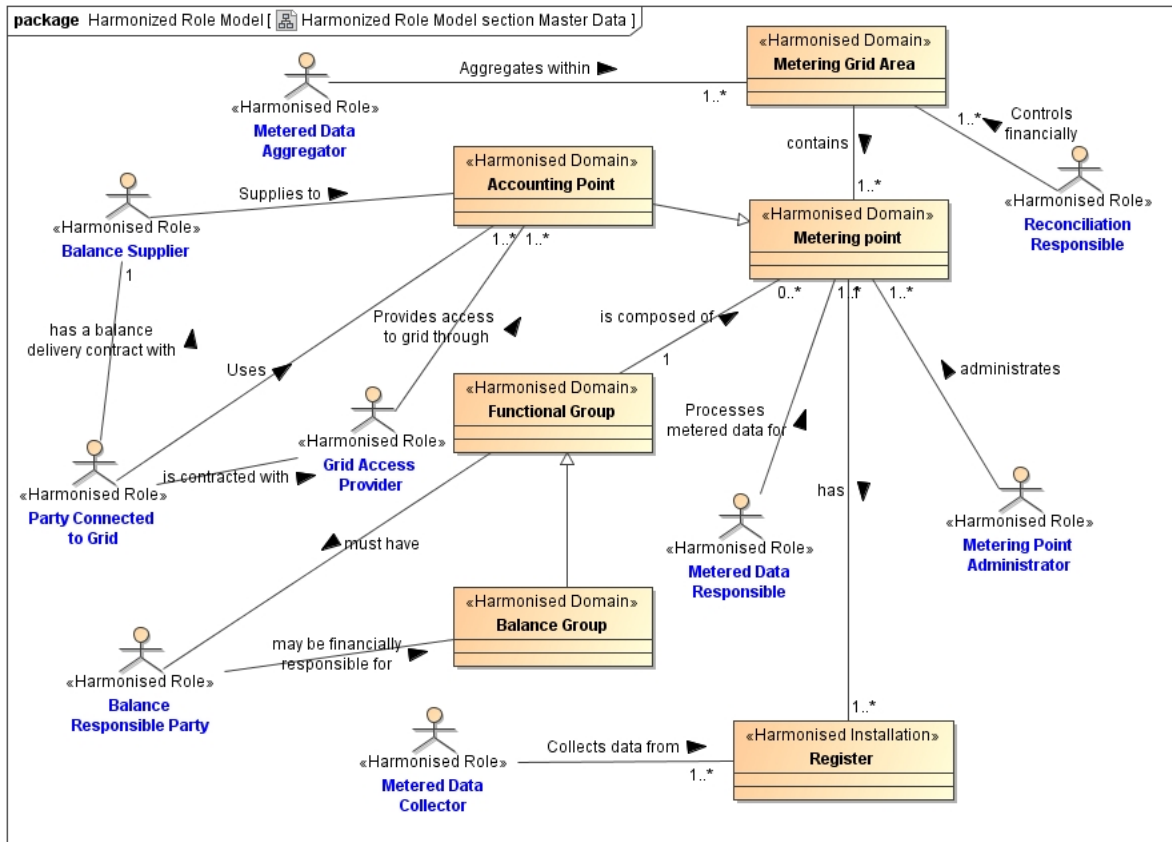
The subset of the ENTSO-E, EFET and ebIX® Harmonised Role Model related to the ebIX® Master Data processes concern changes, additions and ending of entities in the European downstream energy market. Examples of such processes are Change of Supplier, End of Supply, Change of Balance Responsible Party and Query/Response Metering Point Master Data.

Appendix C THE TASKS OF ETC

Task	Group	Priority	Planned
Making ebIX® Recommendations for usage of WEB services including recommendations for acknowledgement and error handling		High	2012
Review of "Rules for ETC" with special focus on maintenance procedures moved from the ebIX® Methodology		Medium	2012
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)		Urgent Medium High	Q4 2011 2012 2012
Making EDIFACT implementation guides in parallel with XML schemas	ETC	High	2013
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 High High	? 2012 2012
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		Question to ebIX Forum	?
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 *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		Continuous	

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Appendix E   EBIX® HEADER

To remember:
1. Do we want this 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.
2. Do we need at test indicator?
3. The content of the Energy Document and Energy Context ABIEs needs a review

Appendix F   ebIX RULES FOR ADDRESSING (ROUTING)

1.1)   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.
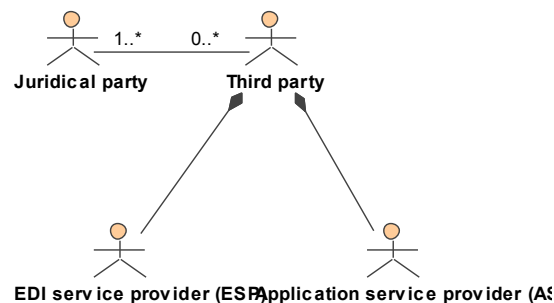
Relationship between roles in document exchange

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.

1.2)   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.