Minutes ETC meeting, September 13th and 14th, 2016

Date: Tuesday and Wednesday September 13th and 14th, 2016

Time: 09:30 –18:00 and 09:00 – 16:00

Place: Oslo

Present: Jan Owe (Convenor), SE, Svenska kraftnät, Jan.Owe@svk.se

Ove Nesvik (Secretary), NO, EdiSys, ove.nesvik@edisys.no

Kees Sparreboom, NL, TenneT, kees.sparreboom@capgemini.com

Thibaut Hellin, BE, Atrias, thibaut.hellin@atrias.be

Appendixes: **Appendix A,** Participants in ETC

Appendix B, Pending list

Appendix C, The tasks of ETC

Appendix D, Agreed additions to the ebIX® Business Information Model 2016.A

Appendix E, ebIX® Rules for addressing (routing)

Attachment:

ebIX_technical_pres
entation_October_2   See item 14, Creation of an ebIX® technical presentation (homework from Jan)

SE-National
codes.mdxml   See item Code list (Swedish code lists)

(Double click on the icon above to see the presentation or right click to edit)

1   Approval of agenda

The agenda was approved with the following additions:

- Preparation for ebIX® Forum; Status presentation of ebIX/IEC TR project, see item 6.1
- Code list, see item 8.7
- Belgian CEFACT module, see item 8.8
- ebIX® support for new developments in EDIFACT, see item 18.1 under AOB
- Revision of the ebIX® Code list responsible agency's definition, see item 18.2 under AOB
- Document type codes and Business reason for CuS change of MP Characteristics, see item 18.3 under AOB
- Spam mail, see item 18.4 under AOB
- Smart Grid Task Force (SGTF), see item 18.5 under AOB

Fedder participated via Lync from 10:00 on Wednesday 14th

2   Minutes from previous meetings

The minutes from previous meeting were approved.

3   Resolve matters from latest ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)

We expect the next HG, and probably also the next thereafter, to be cancelled. Hence, the item was postponed.

4   UN/EDIFACT UNSMs*:*

Since the decision to *not support new developments in EDIFACT* was changed, see item 18.1, there is no need to publish a new version of the "Introduction to Business Requirements and Information Models" anymore. An update is kept in the Pending list in Appendix B.

ETC also agreed that the currently published "ebIX® common rules and recommendation for EDIFACT" document, will be kept as is at the ebIX® web site.

5   ebIX® web site

Ove had as action item from previous meeting updated the member pages for ebIX® Forum (Vlatka as ebIX® vice chair), ETC and CuS.

Action:
- Ove will add a link to:
  - CEDEC http://cedec.com/
  - IEC (http://www.iec.ch/dyn/www/f?p=103:14:0::::FSP_ORG_ID:2388)
  - Poland

6   Status and continuation of ebIX®/IEC trial project

What to do when the TR is approved will be put on the ETC agenda after the next ebIX® Forum meeting, November 24th 2016.

Kees proposed to do a principle discussion regarding what to do with standardisation, such as:

- How do ebIX® standardisation?
- What kind of ebIX® do we need?
- Should we make a SWAT analyses for ebIX® work?

From the following discussion:

- Kees opened the discussion by proposing that ebIX® should base the work on common standards, but not make standards our self:
  - The deliverable from ebIX® must be possible to customise on a national basis;
  - The experience so far is that all ebIX® countries has started up with the ebIX® framework available at that time, hence there are many differences between the implementations in various countries.
- We should continue the cooperation with IEC, but not expect the outcome to be a common standard that can be used by all countries, in the downstream market, in the near future.

6.1 Preparation for ebIX® Forum; Status presentation of ebIX/IEC TR project

The ebIX® and IEC/CIM trial project is almost ready with the first version of the ebIX® and IEC Technical Report (TR), i.e. the project expects the TR to be ready for distribution to ebIX® Forum and IEC/TC57/WG16 in mid-September. In that respect the project invites ebIX® Forum to a status presentation (GoToMeeting) of the TR, Friday September 23rd from 11:00 to 12:00.

Action:
- Ove will publish the TR on a Dropbox folder and add the link to the presentation
- Ove will distribute the presentation to ebIX® Forum

7   AS4

Lucy had asked Jan to prepare with ETC a proposal for:
- An ebIX position on AS4
- A brief project proposal with regard to:

    o What is MADES and what is AS4
    o What has to be done to make these solutions work together or be integrated. Anyway, to make sure that we end up with a solution that doesn't split the downstream market and that doesn't split the E-sector.
    o What can be done by ebIX to trigger/support the development mentioned in the previous bullet point.

    I know this will be short notice, but I think we need this before the next ebIX Forum and discuss

Discussion:
- Kees informed that the Netherlands is organising a group looking into AS4, MADES etc. (can MADES be put into an AS4 environment?) in the Gas and Electricity industry.
- ebIX® should work for a harmonisation of the preferred communication platform (e.g. MADES with an AS4 interface) within Europe, for up- and down-stream, for gas and electricity.
- Thibaut informed that there are discussions between Atrias, Elia and Fluxys (gas industry) regarding MADES and other communication platforms, so far without any agreement.
- We will make a short text for the ebIX® Forum. Jan will ask Lucy if she needs anything more.

As a response, the following will be sent to Lucy:

As you know there is some discussion about the future data communication in respective the electricity and the gas sector in Europe. For upstream communication ENTSO-E has developed MADES, and ENTSOG/EASEEgas have chosen for AS4 and have developed a profile for it. The gas sector suggests that their choice for AS4 also implies the use of AS4 in the downstream part of the gas market. Since in most countries using gas in the downstream market, the systems supporting this are used for both gas and electricity, such a choice will most likely have consequences for the electricity sector as well.

In The Netherlands TenneT and NEDU have concluded that there may be a realistic option to combine the use of MADES and AS4 in such a way, that a split in the market between E and G and/or between the upstream and downstream parts of the market can be avoided and that a choice for MADES or AS4 can be mainly based on their respective strengths. Therefore, they intend to start a small work group of experts to investigate the feasibility of options for combining AS4 and MADES.

This option comes down to make MADES (or more in particular the use of the AMQP protocol in MADES) available through a special solution such as an AS4 shell for MADES or via an AS4 client.

In ebIX ETC we have concluded that such an investigation can be worthwhile in case the market parties involved regard it important to avoid a split in the market between E and G and/or between the upstream and downstream parts of the market.

Since ebIX® is a relevant organization for many of these parties, we think it is important, that the preparations of such an investigation (as mentioned above) are backed by ebIX® supporting the importance to avoid these splits in the market because of different choices regarding data communication.

Do you agree?

What do see as the most appropriate way to express our ebIX® support?

Would it be feasible for ebIX® to not only express its support for the importance to avoid a market split, but also to support such an investigation in a more practical (financial) way?

Can/should this be on the agenda of the upcoming ebIX® Forum?

Conclusion:
- ETC will await the project description asked for by Lucy until next meeting. However, dependent on the answer on the questions above

Action:
- Jan will send the text above to Lucy

8   ebIX® Business Information Model 2016.A
8.1   *Continue review and update of version 2016.A*
Proposed updates are found in Appendix D.

8.2   *To be discussed and agreed, for ebIX® model 2016.A:*
Postponed – waiting for CuS.

8.3   *CuS BIMs*
Action:
- Ove will give the following BIMs priority:
    1. Move
    2. Change of MDR
    3. End of MDR
    4. Change of TCR
    5. Request MP Characteristics
  Ove will update the 2014.A BIMs according to:
    - Change the version from 2011,A to 2014.A in the e-DocLibrary packages
    - Add Administrative Status enumerations
    - Add Physical Status enumerations
    - Add Contracted Connection Capacity Measure Unit enumerations
    - Remove KWT, MAV and MTQ from XML

- Correct the usage of Document Name Code

Document	Document type
Request change of Supplier	392
Confirm change of Supplier	414
Reject change of Supplier	414
Notify change of Supplier to New BRP/TCR	~~414~~ E44
Notify change of Supplier to Old BRP/TCR	~~406~~ E44
Request change of BRP	~~434~~ 392
Confirm change of BRP	~~434~~ 414
Reject change of BRP	~~ERR~~ 414
Notify change of BRP to New BRP	~~434~~ E44
Notify change of BRP to Old BRP	~~434~~ E44
Request End of Supply	~~432~~ 392
Confirm End of Supply	~~406~~ 414
Reject End of Supply	~~406~~ 414
Notify End of Supply	~~406~~ E44
Notify MP Characteristics	E07

8.4   How to represent the exchange of calorific value in ABIEs
Postponed

8.5   How to extend the possibilities for national customisation?
Postponed

8.6   QA of the ebIX® model
Postponed

8.7   Code lists
Thibaut had forwarded the latest Belgian national code list and asked for addition to the ebIX® MD model. The codes were submitted in MD format; hence it can be added to the ebIX® model by copy/paste. However, the codes should be reviewed before adding.

Thibaut showed a HTML view of the Belgian model and asked if we should publish the ebIX® model also as HTML?

Conclusion:
- Making a HTML version of the ebIX® model was added to the "Appendix B Pending list"
- Review of Belgian and Swedish code lists was postponed
- Review of missing "Code Name" (tagged value) was postponed

Action:

- All are asked to send their national code lists to ETC (Ove), if possible in MagicDraw format. The intention is to add them to the ebIX® model, as national codes.

8.8 Belgian CEFACT module

Thibaut had informed that Atrias has made a new version of the CEFACT module with the completion of the ACCs mainly used by utilities market based on Core Component Library 2016 from UN/CEFACT. It includes the ACCs for billing/invoicing/financial purpose. It also contains the missing Primitive Data Type "Numeric Type".

Discussion:
- The Belgian update cannot be added directly to the ebIX® model, since the MD Internal ID for the elements will be different.

Conclusion:
- We will update the ebIX® model version 2016.A with the latest UN/CEFACT CCs.
- The same apply to the Harmonised Role Model, i.e. the ebIX® Model must be updated.
- Also UMM has come up with a few new stereotypes that will be added.
- What, how and when will be discussed at the next ETC.

8.9 MagicDraw - fractionalDigits Vs fractionDigits

A question from Thibaut regarding "fractionalDigits Vs fractionDigits" was postponed until next meeting.

9 Update of ebIX® position related to addressing in business documents
Postponed

10 Status for letter to MD and EA regarding compatibility
Postponed

11 Code lists from MD model in Word format
Postponed

12 Making a plan for support for new countries that want to use the ebIX® model

Thibaut volunteered to review the Belgian "MagicDraw user guide for ebIX® models" and remove Belgian specialities before next ETC.

Action:
- Thibaut will remove Belgian specialities from the Belgian "MagicDraw user guide for ebIX® models" before next ETC.

13 Status for update of the TT (Transformation Tool)

Action from previous meeting:

- Thibaut will do a few updates in the document (proposal for an update request for the TT related to codeListAgencyIdentifier) and forward it to ETC for information

    Status:
    - Postponed

- When to ask ebIX® forum for approval of the new additions will be discussed at the next ETC meeting.

    Status:
    - Postponed

- Kees will ask In4mate to publish the new source at github.com, when the TT has been approved.

    Status:
    - Postponed

- Verification of the TT will be done before September 1st, by:
    - Thibaut will verify Move and Settle
    - Pawel will try to find time to verify Change of Supplier and Measure for Billing
    - Kees will verify the rest of Measure
    - Ove will verify the rest of the Structure

    Status:
    - See below

QA regarding TT version based on 2014.A model version:

- Report from Thibaut:
    - Structure:
        - Move: no message to review → no IM modelled
    - Settle:
        - AggregatedProfiledConsumptionForReconciliation: OK
        - FinalProfiledConsumptionForReconciliation: OK
        - PPCForImbalanceSettlement: OK
        - PPCForReconciliation: OK
        - PricesForReconciliation: BR: associations towards Metering Grid Area and Market Balance Area have a multiplicity of 0..1 and an XOR dependency (means that there is an optional choice) and in the XSD we have a mandatory choice.
        - PriceVolumeCombinationForReconciliation: BR: associations towards Metering Grid Area and Market Balance Area have a multiplicity of 0..1 and an XOR dependency (means that there is an optional choice) and in the XSD we have a mandatory choice.
        - ReconciledVolumes: OK
        - ResidualVolume: OK
- Report from Kees:
    - There are no issues with the TT, but some issues related to the alignment between the Requirements view and the Information View. However, these are updated.

- Report from Ove:
  - No issues with TT
  - Ove had also done the QA of the Change of Supplier (Pawels homework)
  - General:
    - Document Name Code "**E20**" has no code name in the ebIX® model
    - We need to review the usage of Document Type, which not is consistent
    - The "Async addition" class is [0..1]. However, the required elements [1] in the "Async addition" class are made required. This is correct for documents under "document", since these are meant for asynchronous communication, but wrong for documents under "payload", since these documents are meant for WS.
  - Notify MP Characteristics
    - The Header class comes after the Payload class
    - Administrative Status enumerations are missing
    - Physical Status enumerations are missing
    - Contracted Connection Capacity Measure Unit enumerations are missing
    - KWT, MAV and MTQ are present in XML, but not in BRS
    - Document Name Codes should be reviewed

Document	Document type	Business process	Process role
Request change of Supplier	392	E03	DDQ
Confirm change of Supplier	414	E03	DDQ
Reject change of Supplier	414	E03	DDQ
Notify change of Supplier to New BRP/TCR	~~414~~ E44	E03	DDK, TCR
Notify change of Supplier to Old BRP/TCR	~~406~~ E44	E03	DDK, TCR, DDQ
Request change of BRP	~~434~~ 392	E56	DDQ
Confirm change of BRP	~~434~~ 414	E56	DDQ
Reject change of BRP	~~ERR~~ 414	E56	DDQ
Notify change of BRP to New BRP	~~434~~ E44	E56	DDK, TCR
Notify change of BRP to Old BRP	~~434~~ E44	E56	DDK, TCR, DDQ
Request End of Supply	~~432~~ 392	E20	DDQ
Confirm End of Supply	~~406~~ 414	E20	DDQ
Reject End of Supply	~~406~~ 414	E20	DDQ
Notify End of Supply	~~406~~ E44	E20	DDK, TCR
Notify MP Characteristics	E07	E03, E20, E32, E56, E57, E65, E66, E68	DDE, DDK, DDM, DDQ, DEA, MDR, RCR, TCR

Discussion:
  - It was noted that the BIM for move is missing in the ebIX® model. Currently we have ten BRSs and only four BIMs.
  - The copyright notice date was proposed changed from 2010 to 2016. However, the copyright date should be the date for the original publication or creation date. In case of major upgrades, and new (additional) copyright date may be added.

Conclusion:
- The TT is OK, except for some items not related to In4mate (for next version):
  - Transferring the ebIX® Model version to the TT (and the xml schemas), not critical yet.

       ○   National customisation of constraints (OCL), this needs to be rethought anyway.
       ○   Addition of TT version as text in the header of the xml schemas, similar to the handling of "copy right notice".

Actions:
- Thibaut will ask In4mate if they have a solution on how to handle release characters from Java ("\").
- If the bullet point above is ok, Kees will ask Lucy to approve the TT as is and ask In4mate to publish the source and documentation on github.com.
- Kees will update the BIMs published with corrected versions after the QA.
- Kees will ask EMD to review the usage of "OR" in PricesForReconciliation and PriceVolumeCombinationForReconciliation, due to inconsistency between Requirements View and Information View.

14   Creation of an ebIX® technical presentation
The item was postponed.

15   Status for UN/CEFACT project for Alignment of Master Data for Metering Point and of Measured Data
The item was postponed.

16   Status for ebIX® project for new roles related to smart processes, with a special focus on flexibility markets
The item was postponed.

17   Next meeting(s), including start and end time.
- Tuesday November 22nd (start: 09:00) and Wednesday November 23rd 2016 (end: 16:00 (17:00?)), in Berlin
  - ○   Aligning the Requirements View of Measure and Structure
- Wednesday 25th (start: 09:00) and Thursday 26th of January 2017 (end: 15:00?), at Energinet.dk' offices in Erritsø, Denmark
  - ○   What to do when the TR is approved?

18   AOB

18.1   *ebIX® support for new developments in EDIFACT*
At the previous ETC meeting a mail was sent to ebIX® Forum regarding ebIX® support for new developments in EDIFACT:

> *During today's ETC meeting, we agreed that ebIX® not will support new developments in EDIFACT anymore.*

This resulted in a comment from Eric Ahlers (BDEW):

Hereby we would like to inform you, that we on the part of Germany currently do not require a mapping of the ebIX documents in EDIFACT. However, we do not want to foreclose a future necessity at this juncture. In case a mapping of the ebIX documents will become necessary in the future, we are going to approach ebIX.

With the following answer from Ove:

The decision was a practical result of the fact that there are no developments in the former ebIX®' EDIFACT specifications anymore. We have not spent much time on EDIFACT issues the last ten years and no time at all the last years. However, we are aware that there still are some countries using EDIFACT, such as Germany, Norway and Sweden, but these exchanges are based on national specifications that not are compatible with the ebIX® model.

However, I believe that the ETC agrees that we still should help ebIX® members with a need for mapping to EDIFACT and similar tasks if asked for. Hence, I will bring your comment to the next ETC meeting (September 13th and 14th) and ask ETC to rephrase the statement.

Action:
- Jan will at the coming ebIX® Forum modify the notice sent to ebIX® Forum, i.e.:

    ETC will still follow the previous statement, i.e.:

    In the past ebIX® supported EDIFACT as a syntax. Most models for switch and master data information to be exchanged could be mapped to the UN/CEFACT UNSM UTILMD (United Nations Standard Message "Utility Master Data"). Most models for metered data information to be exchanged could be mapped to the UN/CEFACT UNSM UTILTS (United Nations Standard Message "Utility Time Series").

    Actual mapping of the present models to EDIFACT will depend on a request to be made for such development.

18.2   Revision of the ebIX® Code list responsible agency's definition
The item was postponed.

18.3   Document type codes and Business reason for CuS change of MP Characteristics
The item was postponed.

18.4   Spam mail
Gerrit had received a mail that seems to be addressed to a several years old CuS mailing list, which seems to be a "junk-mail". The same mail had also been received by Ove.

Conclusion:
- Yes, it is an old CuS mailing list, except for two additional Eurelectric recipients.

- We do not trust the sender either and advise deletion of the mail.

18.5 Smart Grid Task Force (SGTF)

From Gerrit:

> I was contacted by Willem Strabbing from ESMIG (lobby group for suppliers of smart energy solutions).
>
> The EU initiative Smart Grid Task Force (SGTF) has a number of Expert Groups(EG). One of them is focusing on standardization of information exchange, within this group there is a subgroup focusing on information exchange.
>
> There is a strongly French driven idea to implement something like the Green Button in the USA. This is besides a mandate from the customer to allow certain information to be exposed, also a standardization of the intended information flows. The French want to enforce CIM in this (see attached initiating slides).
>
> The worry of ESMIG is not to throw away other standards, like ebIX models for information exchange. And of course the French completely ignore ebIX.
>
> Can we get somebody that knows the goodies of ebIX and understands (the shortcomings and pitfalls of) CIM to talk to the ESMIG representatives in the intended workgroup to give them some backfire for the French drive, or maybe even join the workgroup.
>
> The group is intending to finish their report in October next, so if we want to have some effect we need to act fast.
>
> My first idea is to have someone from the CIM trial project to talk to ESMIG and maybe join the workgroup.
>
> ***Please let me know your thoughts asap***

Conclusion:
- None of the ebIX®/IEC TR project members have much time to spend on a project like this, at least not on this short notice. However, Kees volunteered to contact Peter Hermans (Stedin) and/or Willem Strabbing to find out if there is anything ebIX® can do, within the resources available.

Appendix A   Participants in ETC

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Appendix B   Pending list

A. 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.

B. 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.

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

D. Making a HTML version of the ebIX® model

Appendix C   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	2016
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: • 2nd generation Harmonized Role Model for Electricity and Gas • ebIX® Header	HG	Medium High	2016 2016
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 *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	

## Appendix D   Agreed additions to the ebIX® Business Information Model 2016.A

D.1   BIE changes, e.g. cardinalities:
1) Change the cardinality of the association from "MP Event" to "MP Address" to [0..*]
2) Add a language attribute to "MP Address"
3) Add Aggregated Reception Station (ARS), as an ASBIE, with XOR between the ARS and Calorific Value Area (CVA)
4) Add CVA, as an ASBIE, with XOR between the ARS and CVA
5) Rename MP Characteristics class to MP Administrative Characteristics
6) Add MP Physical Characteristics, containing:
   a. Connection Status (Moved from MP Administrative Characteristics)
   b. Disconnection Method
   c. Capacity of Metering point (Moved from MP Administrative Characteristics)
   d. Voltage Level (Moved from MP Administrative Characteristics)
   e. Pressure Level (Moved from MP Administrative Characteristics)
7) Add Capacity of Metering point
   a. Definition:

      Capacity of a Metering point is the maximum physical capacity of the Metering Point.

      For electricity the maximum capacity for the Metering Point is given in kW or MW and calculated from the nominal voltage level, number of phases and current limitations.

      For gas the maximum capacity for the Metering Point is given in m3/hour, usually determined by the physical constraints of the (nozzles in the) Meter.

8) Add a new ABIE Energy Label, with two BBIEs; Technology Type and Fuel Type
9) Add an attribute "Disconnection Contract" (Boolean) in MP Administrative Characteristics
10) Change the Country Name (text) in the MP Address class to Country (coded)
11) Add BDT for Energy Label Fuel
12) Rename BDT Energy Generation technology Type to Energy Label Technology Type
13) Add an BBIE "number of phases" to MP Physical Characteristics
14) Add a new ABIE; Communication:
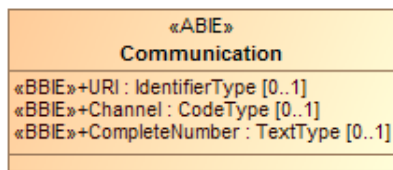
15) Rename the BBIE Unit Type in the ABIE Product Characteristics to Quantity Unit Type and add a BBIE Price Unit Type to the ABIE Product Characteristics

D.2   New enumerations and/or DT:

1) Add an enumeration for ISO Language codes, based on ISO 639-1988
2) Add an enumeration for Energy Label Fuel type, based on CENELEC standard, imported from Atrias implementation
3) Add an enumeration for Energy Label Technology type, based on CENELEC standard, imported from Atrias implementation
4) Add enumeration "Communication channel", ebIX® subset with the following literals, based on 3155:
   - AL   Cellular phone
   - EM   Electronic mail
   - FX   Telefax
   - TE   Telephone
5) Add an enumeration "Communication channel", ebIX® subset, based on 3131 Address type, code with the following literals:
   - 1   Postal address: The address is representing a postal address
   - 3   Physical address; The address represents an actual physical location.
6) Remove all predefined facets, such as maxLength

Appendix E   ebIX® Rules for addressing (routing)

E.1   Definitions

Juridical party: A juridical party is the party juridical responsible for sending or receiving information.

Party id: The identification of a party, i.e. the party's GS1 location number or the party's EIC (Energy 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 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.

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.
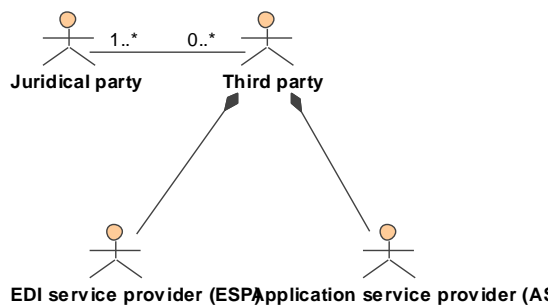
Relationship between roles in document exchange

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.

E.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. Routing of documents, including acknowledgements, shall use the same principles even if third parties are used.
3. The information in the "Header and Context Information" class may be used for routing purposes:

Header and Context Information
+Document Type : DocumentNameCode [1]
+Business Reason : BusinessReasonCode [1]
+Ancillary Business Process Role : BusinessRoleCode [1]

4. 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.
5. 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.[1]
6. 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.[2]

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[1] Point 5 and 6 must be verified with ebIX® BRS for Acknowledgement
[2] Point 5 and 6 must be verified with ebIX® BRS for Acknowledgement