

European forum for energy Business Information eXchange

October 23rd, 2015

CuS, Structuring of the energy market, phase V

Minutes – CuS project meeting

Date:	Tuesday and Wednesday October 6th and 7th, 2015
Time:	09:00 – 17:00 (18:00?) and 9:00 – 16:00
Place:	Oslo, Norway
Participants:	Christian, DK
	Gerrit (Convenor), NL
	Joachim, DE
	Kees, NL
	Minna, Fl
	Ove (Secretary, NO
	Preben, DK
	Torleif, NO
Appendix A	CuS Work plan
Appendix B	Change of MP attributes
	2015-09-30-Rollenm

Attachments:

 $^{\rm odell-MAK_QS.docx}$, see item 12, BRS for alignment of Customer master data

1 Opening

Gerrit opened the meeting, welcomed the participants and thanked Torleif for hosting the meeting.

2 Approval of agenda

The agenda was approved with the following additions:

- Information from Sweden, see 18.1 under AOB.
- Status for publication of CuS BRSs and BIMs, see 18.2 under AOB.

During this item it was agreed to remove the following text from the ebIX[®] Document page (both for CuS and EMD blocs): "based on UN/CEFACT's Modelling Methodology 2.0 -".

Action:

• Ove will ask the web master to remove the text "based on UN/CEFACT's Modelling Methodology 2.0 -".

3 Approval of the minutes from previous meeting

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

• Textual correction from Jan Ove (by mail before the meeting): Change "Similar ebIX[®] Forum as to find a new convenor" to "Similar ebIX[®] Forum has to find a new convenor."

During this item Kees mentioned, for information, that the ebIX[®] Gas project has completed its work. However, ETC has to define changes to related ABIEs and CuS need to update relevant BRSs.

4 Preparation for ebIX[®] Forum meeting October 13th

The agenda for the ebIX[®] Forum meeting October 13th was reviewed:

- Gerrit mentioned that ebIX[®] has received a letter from Konstantin Staschus, Secretary-General of ENTSO-E (and former chairman of ebIX[®]), where Konstantin proposes a loser cooperation between ebIX[®] and ENTSO-E.
- Christian mentioned that he would like to see ebIX[®] concentrate on BRSs and let IEC do all BIMs and technical work.
 - Kees responded that also with an IEC standard, national implementations will probably need modifications before usage nationally.

Thereafter the CuS presentation for the forum was presented, whitch led to a few modifications. During the presentation, Kees suggested to move the billing process to EMD, since the work load for CuS is high.

5 Do we need a test-flag in the header or detail part of the documents?

From Thibaut:

I was looking for some code into the DocumentFunctionCode list from UN/CEFACT (<u>http://www.unece.org/trade/untdid/d00a/tred/tred1225.htm</u>) and I noticed the code 53 – Test ("Code indicating the message is to be considered as a test.")

I remembered then that we once received the question about the possibility to add a test indicator to our messages.

We could then maybe use this code in the BBIE *Function* to indicate that a message is for test purpose only.

I checked the 2014.A version of ebIX model and I see that the attribute *Function* is only foreseen for ABIEs Energy_TimeSeries, CollectedData_TimeSeries, MeasuredData_Request but not in MasterDataMP_Event nor MP_Event nor Response_Event. If we only add this attribute to these ABIEs, we will be sure that all payload (and then all messages) will support a kind of test indicator.

Earlier reply from Fedder:

If I recall correctly we concluded that it was a bad idea to add an attribute in the payload of the messages to indicate that it was for testing purposes.

The topic was discussed at an ETC meeting October 2014, which concluded to add the paragraph below to the "introduction to ebIX[®] models":

ebIX[®] documents (or an ABIE as part of a message assembly <<MA>>) do not contain a test flag (normally to be switched on for testing purposes). The transmission envelope (SOAP-header) is regarded to be a more likely place to put this indicator, at least with routing purposes in mind. And additional investigation learned that national implementations don't need a test indicator, since these implementations have separate test environments.

Conclusion:

• The request was rejected.

Action:

• Ove and Kees will ask ETC to publish the document "Introduction to ebIX Models version 1r0B" as soon as possible.

6 Do we need both the Technology code and Source code from the "EECS Rules Fact Sheet 5"

Preben suggested, at the previous CuS meeting, that we need both the Technology code and Source code from the "EECS Rules Fact Sheet 5 - Types of energy inputs and technologies". Preben had as homework to investigate the demand for codes to be used for the green certificate system and concluded that we need both the Technology code and Fuel (Source) code from the "EECS Rules Fact Sheet 5 - Types of energy inputs and technologies".

Action:

 Kees and Ove will ask ETC to make sure that we have both the Technology code and Fuel code from the "EECS Rules Fact Sheet 5 - Types of energy inputs and technologies" in the ebIX[®] model and update related ABIE, etc.

7 Cancellations (final approval)

The BRS was reviewed based on comments from Gerrit:

• The Need for a Business Reason Code (E05 Cancellation) and a Document Name Code (E67 Request regarding Cancellation) in the header was questioned.

Action:

- Ove will assure that the layout in the CuS BRS documents are the same:
 - Non-bold footer and bold header;
 - Underline the header and over-line the footer;
 - Ove will find agreed layout rules for class diagrams and send them to Kees;
 - Remove "Finally, optional information needed to meet national requirements is specified" from the introduction to the Business Entity View (chapter 2.5);
 - Make the grey colour of header enumerations yellow.
- Kees and Ove will bring the question regarding the Need for a Business Reason Code (E05 Cancellation) and a Document Name Code (E67 Request regarding Cancellation) in the header to ETC:
 - If the Document Name Code is kept, we need a new Document Name Code for Cancellation of Notification (today E44 is used in the BRS).
- Ove will publish the BRS after the ETC meeting October 12th, unless there are blocking comments.

8 BRS for alignment of Meter Characteristics

Denmark, Germany and the Netherlands are candidates for using this BRS. The BRS is to a large extend based on the Dutch process, Denmark has already implemented a similar process and Germany will probably not discuss changes to their current implementation before next year. Hence, we will make the BRS publishable and thereafter postpone updates until new needs come up.

Kees had as action from previous meeting to try finding enumerations for "Meter Type", but no enumerations was found, such as an enumeration from CIM).

New gas elements, from Appendix C in the agenda, was reviewed at the previous CuS meeting and not further discussed.

The Danish requirements, also found in Appendix C in the agenda, were reviewed and all the attributes are present in the BRS, except for Meter Reading Type (accumulated or "difference meter") and "MPA address wash instruction" (Boolean washable/unwashable, i.e. verified with official address register or not). The latter is seen as a Danish speciality.

Gordon had informed that there are some master data defined for all types of equipment that could be used in a metering job, see Appendix D in the agenda. However, CuS does not think these are addable for the time being.

Actions:

- All are asked to review the BRS, with the intention to be "publishable", especially with a focus on Meter Reading Type (accumulated or "difference meter") from Denmark and other needs for "Meter Types".
- The intention is to publish the BRS after next CuS meeting.
- The latest update is found at <u>CuS documents for review</u>.

9 BRS for alignment of Metering Point Characteristics

ETC had proposed several changes to the BRS. These were reviewed and agreed.

The conclusion from the ebIX[®] gas project is that we for the time being will need both the Aggregated Reception Station (ARS) and in addition a Calorific Value Area (CVA).

The Technology code was renamed to "Energy Label Technology" and the Fuel code was renamed to "Energy Label Fuel" and added to the BRS.

Actions:

- Preben will make a list of technology and fuel codes used in Denmark.
- Kees and Preben will thereafter come up with a proposal for which codes to add to the ebIX[®] model.
- The intention is to publish the BRS after the next meeting, i.e.:
 - All are asked to review the BRS, with the intention to be "publishable";
 - The latest update is found at <u>CuS documents for review</u>.

10 Code list for production types for gas (awaiting proposal from the gas sector)

See Appendix E in the agenda.

Conclusion:

• We expect the new "Energy Label Technology" and "Energy Label Fuel" to solve the Belgian need, maybe with an extended list compared to Prebens homework from previous item.

11 Different resolutions for different purposes in a MP (postponed from previous meeting)

Since the item has been on the CuS agenda for more than a year and Belgium did not provide extra input nor was present at the meeting, the item was removed from future CuS agendas.

12 BRS for alignment of Customer master data

Kees had as homework from previous meeting to investigate "Code List Responsible Agency Code" for Legal Entity Identifier (LEI), however without finding anything.

Gerrit had as homework from previous meeting to contact Fedder, as (now former) convenor of tWG, and ask him to bring the alignment of Master Data for Market Parties into tWG. However, tWG is suspended, at least for the time being, hence the homework was impossible to accomplish.

The draft BRS was reviewed:

- There was a discussion regarding the content of the BRS, i.e. is the intention to exchange Customer Master Data, Consumer Master Data, Market Party Master Data....?
 - We will, at least for the time being, model master data for a Customer.
- The new role Party Administrator was also discussed. For instance: Is the Party Administrator «mappedTo» the Balance Supplier and/or the Meter Operator, or a datahub (for those countries using a datahub)?
 - The conclusion was that the Role Party Administrator («BusinessPartner») was kept and the role was «mappedTo» the «HarmonisedRole» Balance Supplier. The definition of the Party Administrator is:

A party responsible for keeping a register over relevant party data and making this information available for entitled parties in the sector.

• The Entitled Role was created, with the following definition:

A Market Party entitled to receive this exchanged information

- During the discussions, Ove informed that the Danish and Norwegian datahubs have added the new role Metering Point Responsible, in addition to the Metering Point Administrator, where the Metering Point Responsible is responsible for the technical characteristics of the MP and the Metering Point Administrator is responsible for the MP register and the Market Parties connected to the MP, such as BRP and BS:
 - Similar Denmark and Norway would like to see a Party Responsible (the BS) and a Party Administrator (the datahub).
- For the CuS BRSs we will follow the Harmonised Role Model, i.e. we will not make the split into a Metering Point Administrator and a Metering Point Responsible – The datahubs is seen as a third party, not having any formal market responsibilities.

During the discussions, Joachim distributed the German Role Model, see attached Word document.

Actions:

- Kees will contact the Dutch chamber of commerce to see if they have a suitable code for Legal Entity Identifier (LEI).
- Ove will do some clean up and distribute the draft BRS, e.g.:
 - Change Party to Customer where relevant (among others keeping "Party Administrator" as a role);
 - Change Affected Role to Entitled Role.

13 Request change of attributes connected to a MP

Due to lack of time the item was postponed.

14 Combined grid and supply billing

Due to lack of time the item was postponed.

15 Preparations for start of "interfering processes"

Due to lack of time the item was postponed.

16 Preparations for start of "Switch of grid"

Due to lack of time the item was postponed.

17 Meeting schedule

- Tuesday November 24th and Wednesday November 25th 2015 in Denmark **Note changed dates.**
- Tuesday February 2nd and Wednesday February 3rd in Helsinki.
- Wednesday June 1st and Thursday June 2nd in Berlin.
- Wednesday September 7th and Thursday September 8th in Poland, Belgium or Slovenia.
- Tuesday November 22nd and Wednesday November 23rd Belgium, Poland or Slovenia.

18 AOB

18.1 Information from Sweden

Jan had (by e-mail) informed that also Sweden will get a data-hub. During this item Minna informed that also Finland will establish a data-hub.

18.2 Status for publication of CuS BRSs and BIMs

Due to lack of time the item was postponed.

Appendix A CuS Work plan

#	Activity	Priority	Start	End
A)	Master data for parties, both for the actors in the energy	1 st	Q4/2014	Q4/2015
	industry, such as BRPs and BSs, and the PCG, including how			
	to handle the different attributes related to the Consumer,			
	such as consumer contact information (e.g. address and			
	invoice address).			
B)	Request change of attributes connected to a MP, such as	2 nd	Q1/2015	Q4/2015
	Closing and Reopening MPs, Change of Metering Method			
	and Change of time frames			
C)	Combined grid and supply billing (invoicing), including MD	3 rd	Q2/2015	Q2/2016
	for products, such as; grid fees, grid subscriptions,			
D)	Interfering processes – a matrix of processes with priorities,	4 th	Q2/2015	Q3/2016
	when a given process is interfered by another, such as when			
	a customer move comes in the middle of a change of			
	supplier process.	-46		
E)	"Switch of grid", for instance a part of a Metering Grid Area	5 ^m	Q3/2015	Q2/2016
	(MGA), such as a village, that is transferred from one GAP			
= \	and MGA to another	eth	04/2045	0.4/204.6
F)	MPs having multiple parties with similar roles, e.g. a MP with	6"	Q4/2015	Q4/2016
	different BRPs for production and consumption	⊐th	TRD	TDD
G)	Change of BRP in Metering Grid Area, "Price Area" or	/"	IBD	IBD
	country (not at MP level) (Proposed by DK), i.e. a - bulk			
Ц	Efficient data alignment including the passibility to request	oth		трр
п)	Efficient data alignment, including the possibility to request	0		עסו
D	Master data for domains, such as which MGAs that belongs	Awaiting network	TBD	TRD
.,	to a MBA and related characteristics of these domains	codes from	100	100
		ENTSO-E		
J)	New processes for "demand/response", which may add new	Awaiting EMD	TBD	TBD
- /	tasks for the MDA	survey and ebIX [®]		
		Forum decision		
K)	Combined switch documents and related customer master	Awaiting "Master	TBD	TBD
	data	data for parties"		
L)	Handling of "Installation Metering Points" and/or fields (may	TBD	TBD	TBD
	be related to the item above)			
M)	"Life cycle of a MP", including how technical events interact	TBD	TBD	TBD
	with administrative processes and responsibilities			
N)	Request for services. The item concerns chargeable requests	TBD	TBD	TBD
	from the BS to the DSO for changes to a MP or a Meter, such			
	as:			
	Request for metered data			
O)	The possible role of a datahub in the processes (Proposed by	TBD	TBD	TBD
	DK)			
	 Seen from the supplier side 			
	Seen from the DSO side			
	 Seen from the metering side 			

	When adding a datahub to a market the datahub will replace the DSOs, to a large extend, i.e. the MPA will be the datahub. Among others, the proposal include processes between the GAP and the MPA.			
P)	QA of the CuS model and consistency of the CuS and EMD models	TBD	TBD	TBD
Q)	New (enhanced) processes for labelling	TBD	TBD	TBD

Appendix B Change of MP attributes

MP characteristics attributes	Questi Which	on 1: role(s) is	s respon	sible for	an elem	ent?		Qu Do ch	u <mark>estio</mark> we s ange	on 2: see a need in the MI	d for a <mark>ne</mark> 9 adminis	ew ebIX [®] u stration, in	pdate pro	ocess cov the res	vering th	e role?
	BE	DE	DK	NL	NO	PL	SE	SI E	BE	DE	DK	NL	NO	PL	SE	SI
«Business entity» Metering Point																
Identification ¹	GAP	BS	GAP	na	GAP	na		No)	Yes ²	No	No	No	No		
«Business entity» Metering Grid Area																
Identification	GAP	GAP	GAP	GAP	ISR	GAP		Ν	lo	Yes ³	No	No	Yes ⁴	No		
Identification	Internation One One One One One One One Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Weight of the one Identification GAP GAP na na No No Na Na Identification GAP GAP na na No No Na Na Metering Point Address															
City Name	GAP	GAP	GAP	GAP	GAP	GAP		Ye	s ^{BE1}	No	No	No	No	No		
Street Name	GAP	GAP	GAP	GAP	GAP	GAP		Ye	SBE1	No	No	No	No	No		
Building Number	GAP	GAP	GAP	GAP	GAP	GAP		Ye	S ^{BE1}	No	No	No	No	No		
Postcode	GAP	GAP	GAP	GAP	GAP	GAP		Ye	S ^{BE1}	No	No	No	No	No		
Room Identification	GAP	GAP	GAP	GAP	GAP	GAP		Ye	S ^{BE1}	No	No	No	No	No		
Floor Identification	GAP	GAP	GAP	GAP	GAP	GAP		Ye	SBE1	No	No	No	No	No		
Country	GAP	GAP	GAP	GAP	GAP	GAP		Ye	S ^{BE1}	No	No	No	No	No		
						Geog	raphical	l Coordinat	te							

¹ There is a need for a process for creation and ending of MPs

² Yes, because there already is a process in place in Germany where the BS can correct mistakes in the MP ID

³ Yes, because there already is a process in place in Germany

BE1 = the MPA has to be warned by the GAP that a MP address has been adapted (push notification)

⁴ MGA and MBA Master Data, MBA-MGA relations and MGA-MGA relations

MP characteristics attributes	Questi Which	on 1: role(s) is	s respor	nsible for a	an elem	ent?			Questie Do we change	on 2: see a nee in the MI	d for a n e P adminis	ew ebIX [®] u	pdate pro	ocess cov y the res	vering th ponsible	e role?
	BE	DE	DK	NL	NO	PL	SE	SI	BE	DE	DK	NL	NO	PL	SE	SI
Latitude	na	na	na	GAP	GAP	GAP			na	No	No	No	No	No		
Longitude	na	na	na	GAP	GAP	GAP			na	No	No	No	No	No		
Altitude ⁵	na	na	na	GAP	GAP	GAP			na	No	No	No	No	No		
System	na	na	na	GAP	GAP	GAP			na	No	No	No	No	No		
	Metering Point															
Balance Supplier ID	BS	BS	BS	BS	BS	BS			No	No	No	No	No	No		
Metered Data	na	MDR	na	MDR	na	na			No	No	No	No	No	No		
Responsible ID																
Balance	BS	BS/	BS	BS/	BS	BS/			No	No	Yes ⁶	Yes ⁷	No	Yes ⁸		
Responsible Party		GAP		BRP		BRP										
ID																
Transport Capacity	na	BS/	BS ⁹	BS/	na	na			na	No	No	Yes ¹⁰	No	No		
Responsible Party		GAP		TCR												
ID																
Grid Access	GAP	GAP	GAP	GAP	GAP	GAP			Yes	Yes	No	Yes	No	No		
Provider ID																
						S	upply (Custom	er							
Name	BS	BS	BS	BS	BS	BS			Yes	Yes	Yes	Yes	Yes	Yes		
ID	BS	BS	BS	na	BS	BS			Yes	Yes	Yes	Yes	Yes	Yes		
							Grid Cu	ustome	r							
Name	GAP	GAP	na	GAP	BS	GAP			na	No	No	Yes	No	No		
ID	na	na	na	na	BS	GAP			na	No	No	na	No	No		

⁵ The altitude of the meter may be used in the gas sector for correction purposes.

⁶ Denmark want a process for bulk change of BRP

⁷ Netherlands want to open the process so that also the BRP can request the change – A bulk change process is already in place

⁸ Poland want to open the process so that also the BRP can request the change and a bulk change process is already defined

⁹ In Denmark the BS is cowered by the Shipper together with the TCR

¹⁰ Netherlands want to open the process for the TCR – A bulk change process is already in place

MD characteristics	Questi	on 1.					Questio	on 2:								
attributos	Questi Which		rocpor	sible for a	an alam	ont?			Do we s	see a nee	d for a <mark>ne</mark>	w ebIX® u	pdate pro	cess cov	vering th	е
attributes	which		siespoi		an elem	enti			change	in the MI	P adminis	tration, in	itiated by	the resp	onsible	role?
	BE	DE	DK	NL	NO	PL	SE	SI	BE	DE	DK	NL	NO	PL	SE	SI
						Meterin	ng Point	t charac	teristics							
Balance Group ID	na	BS	na	na	na	na			na	Yes	No	No	No	No		
Type Of Metering	BS/	GAP	GAP	GAP	GAP	GAP			No	Yes	No	Yes	Yes	Yes		
Point	GAP															
Metering Method	BS ¹¹ /	GAP	na	GAP	GAP	GAP			NO	Yes	na	Yes	Yes	Yes		
	GAP															
Settlement Method	GAP	GAP	GAP	GAP	GAP	GAP			No	Yes	Yes	Yes	Yes	Yes		
Scheduled Meter	BS/	GAP	GAP	MDR	GAP	GAP			No	Yes	Yes	No	No	Yes		
Reading Date	GAP															
Grid Agreement		GAP	na	na/BS	BS	BS/				Yes	No	Yes	Yes	Yes		
Туре						GAP										
Meter Reading	BS/	BS	na	MDR	GAP	GAP			Yes	Yes	No	Yes	No	Yes		
Periodicity	GAP															
Metering Point	GAP	GAP/	na	GAP	na	GAP			Yes	Yes	No	Yes	na	Yes		
Electricity Voltage		Cust.														
Level																
Administrative	BS	na	na	na	GAP	na			No	na	na	na	na	na		
Status Of Metering																
Point																
Physical Status Of	BS/	BS/	GAP	GAP	GAP	BS/			Yes	Yes	Yes	Yes	Yes	Yes		
Metering Point	GAP	GAP				GAP										
Contracted	BS	BS	GAP	GAP	GAP	BS/			No	Yes	No	Yes	No	Yes		
Connection						GAP										
Capacity																
Contracted	Na	GAP	GAP	GAP	GAP	GAP			na	Yes	No	Yes	No	Yes		
Connection																
Capacity Measure																
Unit																
Gas pressure level	GAP	na	na	GAP	na	na			Yes	No	No	Yes	No	na		

¹¹ for smart meter Supplier may ask to go from meter regime 1 (non continu) to meter regime 3 (continu) **ebIX[®]/CuS**

MP characteristics attributes	Questi Which	on 1: role(s) is	s respo	nsible for	an elem	ent?			Questic Do we change	on 2: see a nee in the M	d for a <mark>ne</mark> P adminis	ew ebIX [®] ustration, in	pdate pr itiated b	ocess cov y the res	vering th ponsible	e role?
	BE	DE	DK	NL	NO	PL	SE	SI	BE	DE	DK	NL	NO	PL	SE	SI
Metered data collection method	GAP	GAP/ BS	GAP	GAP/ MDR	GAP	GAP			Yes	Yes	No	Yes	No	Yes		
Sustainable Energy	GAP	GAP/ BS	na	GAP/ BS	GAP	GAP			Yes	Yes	No	Yes	No	Yes		
Disconnection Contract	na		?	na	GAP	GAP			Yes			na		Yes		
						Phys	sical Ch	aracter	ristics							
Capacity of a Metering point	GAP		GAP	GAP	GAP	GAP			Yes			Yes		Yes		
Disconnection Method	Na		GAP	GAP	GAP	GAP			na			Yes		Yes		
						Vo	lume ir	nforma	tion							
Product Type	GAP		GAP	GAP	GAP	GAP			Yes			Yes		Yes		
Measure Unit	GAP		GAP	GAP	GAP	GAP			Yes			Yes		Yes		1
Standard Load Profile	GAP		?	GAP	MDA	GAP			Yes			Yes		Yes		
Direction	GAP		Exc han ge	GAP	?	GAP			Yes			Yes		Yes		
						Estim	ated a	nnual v	olume							
Quantity	GAP	BS/ MDA	MD A	MDA	MDA	GAP			Yes			No		No		
Meter Time Frame Type	BS/ GAP	BS/ MDA	na	MDA	na	GAP			Yes			No		No		

MP characteristics attributes	Questi Which	on 1 (sa role(s)	ame as ir is respoi	n previous nsible for	t <mark>able)</mark> an elem		Questic Do we change and if y	on 3: see a nee in the M yes which	d for a <mark>ne</mark> P adminis role?	ew eblX® u stration, in	pdate pro itiated by	ocess cov / non-res	vering th sponsible	e e roles		
	BE	DE	DK	NL	NO	PL	SE	SI	BE	DE	DK	NL	NO	PL	SE	SI
						ss entit ng Poir	y» It									
Identification ¹²	GAP	BS	na	na	na	na										
«Business entity» Metering Grid Area Identification GAP GAP GAP GAP no Identification																
Identification	GAP	GAP	GAP	GAP	GAP				no							
«Business entity» Aggregated Reception Station																
Identification	GAP	GAP	na	GAP	na				no							
					-	dress										
City Name	GAP	GAP	GAP	GAP	GAP	GAP						BS/MR				
Street Name	GAP	GAP	GAP	GAP	GAP	GAP						BS/MR				
Building Number	GAP	GAP	GAP	GAP	GAP	GAP						BS/MR				
Postcode	GAP	GAP	GAP	GAP	GAP	GAP						BS/MR				
Room Identification	GAP	GAP	GAP	GAP	GAP	GAP			-			BS/MR				
Floor Identification	GAP	GAP	GAP	GAP	GAP	GAP			-			BS/MR				
Country	GAP	GAP	GAP	GAP	GAP	GAP						BS/MR				
						Geog	graphica	al Coor	dinate							
Latitude	na	na	na	GAP	GAP	GAP						BS/MR				
Longitude	na	na	na	GAP	GAP	GAP						BS/MR				
Altitude ¹³	na	na	na	GAP	GAP	GAP						BS/MR				
System	na	na	na	GAP	GAP	GAP						BS/MR				
						Me	etering	Point P	arty							

 ¹² There is a need for a process for creation and ending of MPs
 ¹³ The altitude of the meter may be used in the gas sector for correction purposes.

MP characteristics attributes	Questi Which	on 1 (sa role(s)	ame as in is respor	n previous nsible for a	<mark>table)</mark> an elem		Questic Do we change and if y	on 3: see a nee in the M /es which	d for a <mark>ne</mark> P adminis role?	ew ebIX® u stration, in	pdate pro itiated by	ocess cov / non-res	vering th sponsible	e e roles		
	BE	DE	DK	NL	NO	PL	SE	SI	BE	DE	DK	NL	NO	PL	SE	SI
Balance Supplier ID	BS	BS	BS	BS	BS	BS						No				
Metered Data	na	MD	na	MDR	na	na						No				
Responsible ID		R														
Balance	BS	BS/	BS	BS/	BS	BS/						No				
Responsible Party		GAP		BRP		BRP										
ID																
Transport Capacity	na	BS/	BS14	BS/	na	na						No				
Responsible Party		GAP		TCR												
ID																
Grid Access	GAP	GAP	GAP	GAP	GAP	GAP						No				
Provider ID																
					er											
Name	BS	BS	BS	BS	BS	BS						No				
ID	BS	BS	BS	na	BS	BS						No				
							Grid Cu	stome	r							
Name	GAP	GAP	na	GAP	na	GAP						No				
ID	na	na	na	na	na	GAP						No				
						Meterir	ng Point	chara	cteristics							
Balance Group ID	na	BS	na	na	na	na										
Type Of Metering	BS/	GAP	GAP	GAP	GAP	GAP						No				
Point	GAP															
Metering Method	BS ¹⁵ /	GAP	na	GAP	GAP	GAP						?				
	GAP															
Settlement Method	GAP	GAP	GAP	GAP	GAP	GAP						Yes				
Scheduled Meter	BS/	GAP	GAP	MDR	GAP	GAP						yes				
Reading Date	GAP															

 ¹⁴ In Denmark the BS is cowered by the Shipper together with the TCR
 ¹⁵ for smart meter Supplier may ask to go from meter regime 1 (non continu) to meter regime 3 (continu)

							Questi	on 3:								
MP characteristics	Questi	on 1 (sa	ame as ii	n previous	table)			Do we	see a nee	d for a n	ew eblX® u	pdate pro	ocess cov	vering th	е	
attributes	Which	role(s)	is respo	nsible for a	, an elem	ent?			change	in the MI	P admini	stration. in	itiated by	v non-res	sponsible	e roles
	_	(- /							and if y	ves which	role?	,				
	BE	DE	DK	NL	NO	PL	SE	SI	BE	DE	DK	NL	NO	PL	SE	SI
Grid Agreement		GAP	na	na/BS	BS	BS/						no				
Туре						GAP										
Meter Reading	BS/	BS	na	MDR	GAP	GAP						yes				
Periodicity	GAP															
Metering Point	GAP	GAP	na	GAP	na	GAP						no				
Electricity Voltage		/														
Level		Cust														
Administrative	BS	na	na	na	na	na										
Status Of Metering																
Point																
Physical Status Of	BS/	BS/	GAP	GAP	BS/	BS/						(yes)				
Metering Point	GAP	GAP			GAP	GAP										
Contracted	BS	BS	GAP	GAP	na	BS/						no				
Connection						GAP										
Capacity																
Contracted	Na	GAP	GAP	GAP	na	GAP						no				
Connection																
Capacity Measure																
Unit																
Gas pressure level	GAP	na	na	GAP	na	na						no				
Metered data	GAP	GAP	GAP	GAP/	GAP	GAP						yes				
collection method		/ BS		MDR												
Sustainable Energy	GAP	GAP	na	GAP/	na	GAP						no				
		/ BS		BS												
Disconnection	na			na		GAP						na				
Contract																
Physical Charact																
Canacity of a		1		CAR	[
Capacity of a	GAP			GAP		GAP						no				
ivietering point																

								Questi	on 3:							
MP characteristics	Questi	on 1 (sa	ame as i	n previous	table)				Do we	see a nee	d for a <mark>n</mark>	ew ebIX® uj	odate pro	ocess cov	vering th	e
attributes	Which	role(s)	is respo	nsible for	an elem	ent?			change	e in the M	P admini	stration, ini	tiated by	y non-res	sponsible	e roles
									and if	yes which	role?					
	BE	DE	DK	NL	NO	PL	SE	SI	BE	DE	DK	NL	NO	PL	SE	SI
Disconnection	Na			GAP		GAP						no				
Method																
						ion										
						vo	nume ir	norma	lon							
Product Type	GAP			GAP		GAP						no				
Measure Unit	GAP			GAP		GAP						no				
Standard Load	GAP			GAP		GAP						no				
Profile																
Direction	GAP			GAP		GAP						no				
						Estim	lated al	nnual v	olume							
Quantity	GAP	BS/	MDA	MDA	MDA	GAP						yes				
		MD														
		Α														
Meter Time Frame	BS/	BS/	na	MDA	na	GAP						yes				
Type	GAP	MD														
/1 -	_	Α														