E-CONTROL

Gas Market Code
Chapter 3

Nominations and schedules

Gas Market Rules

2012

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1 Introduction

The following description of data exchanges is an excerpt of the **data exchanges of balance responsible parties (BRPs) relevant to balancing and capacity** with the corresponding system roles as defined in Chapter 2 of the Gas Market Code.

Following the introduction of the entry/exit system in the eastern market area (eastern MA), BRPs inject or withdraw gas in each balance group (BG) by means of nominations at transmission level or by means of schedules at distribution level. Transfers of ownership rights between BGs are nominated by the BRPs at the virtual trading point (VTP).[1]

For that purpose, four categories of data exchange are of relevance:

Nominations and schedules (section 3):

The BRP informs the respective system operator of the intended injection into or withdrawal from its system and, in the case of the VTP, of transfers of ownership rights (title transfer service).

Confirmations of nominations and schedules (section 4):

The respective system operators establish for each BG the confirmable injections and withdrawals and the title transfers at the VTP in a validation and matching process, and inform the BRP of the result by means of a nomination/schedule confirmation.

Allocation information for market area balancing (section 5):

The respective system operators send the BRP once daily on D+1 the BG allocations that result from the confirmed (re)nominations and schedule messages.

Information on imbalances (section 6):

Following that, the system operators submit the confirmed nominations and schedule messages and the net allocated VTP transactions[2] to the market area manager (MAM) for clearing. On this basis, the MAM calculates the imbalance in each BG and informs the BRP.

In addition, the BRP receives feedback, where appropriate by means of an **acknowledgement message (section 7)**, from the system operator regarding problems that occurred when the message was processed.

For points without an OBA (i.e. connections of consumers and biogas facilities as well as cross-border interconnection points at distribution level), it is the clearing and settlement agent (CSA) that determines deviations between the schedules confirmed and the withdrawals and injections metered or calculated. It receives the required information from the distribution system operators (DSOs) (meter readings, SLP consumptions) and from the distribution area manager (DAM) (confirmed schedules); the corresponding information on the financial settlement of imbalance charges in the BGs is submitted to the BRP by the CSA during the 1st and 2nd clearings (see GTC-CSA or the corresponding chapters of the Market Code).

[1] Data exchange in respect of exchange trades (i.e. placement of orders, executed orders, clearing house nominations etc.) is not part of this Chapter of the Gas Market Code.

[2] For each BG, the balance of the OTC transfers of ownership rights nominated by the BRP and confirmed (confirmed trade nominations) and the exchange trades executed by the BRP (single-sided nomination by the clearing house)

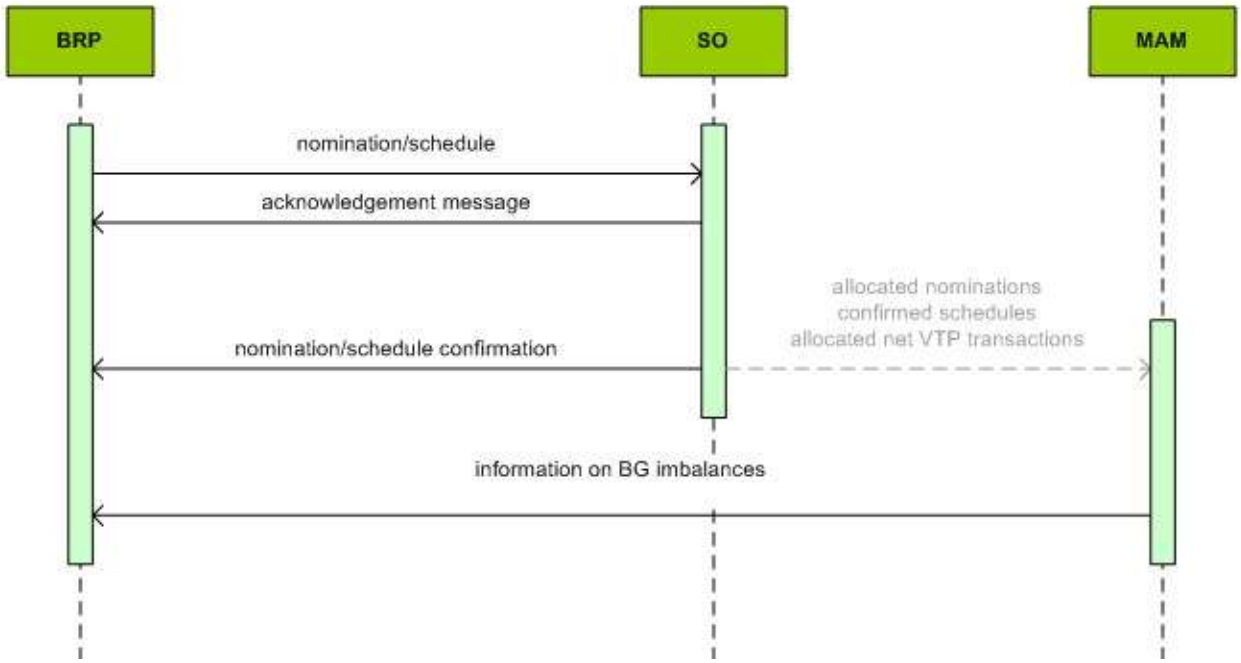
2 Basic requirements for the exchange of messages

2.1 General procedure for the exchange of messages

All quantities in the described messages must be given in energy units (kWh or kWh/h).

Directions always refer to the viewpoint of the BG.

Note: the description of the data exchange between system operators and MAM is not part of this Chapter of the Gas Market Code.



2.2 Transmission of data

Data transmission must comply with the times and deadlines defined in Chapter 2 of the Gas Market Code.

The following technical interfaces can be used for handling the exchange of messages in consultation with the system operators from 1 January 2013:

SMTP (e-mail)

AS/2

sFTP

The specific requirements for establishing and testing such interfaces are available in the latest valid connection templates on the websites of the respective system operators.

2.3 Use of EIC codes

If in this document or in examples reference is made to EIC codes, such reference always refers to the “long version”. Using the “alias” (“display name”) is not foreseen in the exchange of messages.

Pursuant to the coding scheme, two types of EIC codes are to be distinguished:

"X code": identification code of partners/undertakings

"Y code": identification code of balance groups or balancing sub-accounts

Further information on the structure, issuance and use of EIC codes is available on the website of the MAM (http://www.gasconnect.at/en/Market-Area-Manager), on the website of ENTSO-E (www.eiccodes.eu), and on the website of the respective system operator.

2.4 Format standard EDIG@S

For EDIG@S messages, EDIG@S version 4.0 is applied; the application specification is based on the corresponding message implementation guidelines (MIG). The documentation is available at http://www.edigas.org/version-4/.

The structure of EDIG@S messages must comply with XML syntax. For XML syntax examples, please contact the respective system operator.

2.5 Format standard KISS-A

All KISS-A files must be provided as a Microsoft Excel file type (*.xls or *.xlsx); processing is guaranteed up to Microsoft Excel 2010 Version 14.

The aim of the current KISS-A specification is to come as close as possible to the EDIG@S specifications and, at the same time, to keep the efforts necessary to change existing systems to a minimum.

2.5.1 Requirements for the information sheet

In the "INFO" spreadsheet, the sender must enter general information on the nomination/schedule:

In cell A1, the name of the spreadsheet ("INFO") is to be entered. The name in cell A1 must start with a capital letter, the other letters can be in upper or lower case.

Cell C1 gives the date of the gas day to which the nomination/schedule applies (DD.MM.YYYY). Dates must always be given in the following format: two digits each for the day and month, and four digits for the year.

The e-mail address of the sending BRP is to be entered in cell C3, the name of the processing person at the BRP in cell C4 , the telephone number of the processing person at the BRP in cell C5 (optionally the fax number in cell C6) and the EIC code of the BRP in cell C7.

	A	B	C
1	INFO	Gas Day	27.01.2013
2			
3		E-Mail-Adress	Musterfirma@bgv.at
4		Contact	Max Mustermann
5		Phone Number	+43 000 123 456 78
6		Fax Number	+43 000 123 456 79
7		EIC-Code Balance Group Responsible	25X-BGV1-------D

2.5.2 Requirements for the data sheet

The following provides general information on the structure of the data sheet of a KISS-A form. The KISS-A application specifications, sections 3 to 5, contain further details.

The columns A and B of a KISS-A data sheet are predetermined areas. The sender must not make any changes to the predetermined text. The columns to the right are **data columns**. Nominations or schedule values must be entered in these columns, in compliance with the requirements of section 2.5.3.

A data column consists of four areas:

The first area, identical with row 1, is the **date area**. The date of the gas day specified in this area must be identical in every data column and must be given in the format DD.MM.YYYY.

Below the date area is the **address area**. The parameters in these eight rows (rows 2 to 9) are used to address a nomination / a schedule / a message (see KISS-A application specifications in sections 3 to 5).

Below the address area follows a five-row **comment area** (rows 10 to 14). The sender can make additional entries here. In addition, identifiers (e.g. status) agreed on with the respective system operator may be entered here.

From row 18, the comment area is followed by the **value area** of the respective data column. Here, the schedule values for the respective gas day, i.e. the 24 hour values, are entered. For special requirements on days of a clock change, see section 2.5.5.

Note: the rows containing the daily total just serve information purposes and are not processed by the recipient of the nomination/schedule.

	A	B	C	D
1	NOMINT	DTM (date)	15.08.2013	15.08.2013
2		STS (priority)		
3		NAD (internal shipper)		
4		LOC (location)		
5		NAD (external shipper)		
6		RFF (reference)		
7		QTY (direction)		
8		Version		
9		NOMRES-Revision		
10		Comments		
11				
12				
13				
14				
15	checksum	kWh	24	24
16				
17	FROM	TO	kWh	kWh
18	06:00	07:00	1	1
19	07:00	08:00	1	1

2.5.3 Requirements for filling in the forms

When filling in the data columns of the KISS-A forms, certain requirements must be complied with in order to allow automated data processing. These include:

a) One form per gas day: the BRP must submit one complete KISS-A form per gas day.

b) Text entries must not contain umlauts.

c) The data area must be filled in from the left to the right without any empty columns because the first empty column is a criterion for discontinuing the process, i.e. automated processing will stop there.

d) The direction is not defined by a sign, but by the direction identifier (e.g. Z02 or Z03) in the field “QTY (direction)” (row 7). As one direction must be chosen for an entire time series, in some cases two time series must be submitted.

e) The smallest energy unit that can be handled in the exchange of messages is 1 kWh; decimal places are not permitted.

f) The value area of a data column may not include any empty cells. The values must always be ≥ 0: empty cells in the value area leave room for interpretation (does this mean that the value is zero or that the previous value continues?), which is why only positive values greater than zero are permitted in this area.

g) Formulae and macros must be removed before sending: formulae in the forms, in particular formulae connecting several sheets or files, can hamper automatic processing, which is why all formulae must be removed before sending. The same applies to macros because they pose a risk of spreading viruses.

h) Version numbers in a data column must be assigned on the basis of a uniform convention. The following applies: the version number starts from 1 every day and must be contained in every data column and in the file name. With every change (and only then), the version number in the file name is incremented by 1, and the changed data columns are marked with this new number. As a rule, assigning the version number is the responsibility of the BRP. If the latter wishes to change a transaction already notified, it must change the version number in line with the described convention; if the version number is not changed, the system operator interprets the transaction as unchanged.

Requirements for filling in the forms

Version numbering

- The version number starts from 1 every day.
- It must be contained in every data column and in the file name.
- With every change, the version number in the file name is incremented by 1 and the changed or new data columns are marked with this new number.
- Example:

	Version number			
	File	Transaction A	Transaction B	Transaction C
First message	01	1	1	n/a
Transaction B changes	02	1	2	n/a
Transaction A changes	03	3	2	n/a
New transaction C	04	3	2	4

i) The information contained in a KISS-A form may not be reduced in scope: the information contained in a KISS-A form that has been submitted may not be reduced in case a transaction is changed or cancelled. This means that if, for example, a transaction in a column has been submitted for a gas day and the transaction is later cancelled, the relevant column may not simply be deleted for that day but must be retained until the end of the gas day in question and be zeroed out.

j) The two rows containing the daily total (rows 15 and 42) are for information only (requirement (g) applies). The values relevant to all nomination, matching and balancing processes are always the hour values.

2.5.4 Requirements for e-mail messages

For KISS-A forms submitted by e-mail, internet mail with the SMTP protocol is used. E-mails are to be authenticated and optionally encrypted in consultation with the respective system operator and by means of S/MIME. Any certificates required for the respective data e-mail address must be applied for. After installation of the certificates in the e-mail clients, an exchange of the public keys by sending an authenticated e-mail is required in order to enable encryption or electronic signature.

The subject line of each e-mail message must state an unambiguous identification, which is described in more detail in the respective chapter.

2.5.5 Time references, change between summer time and winter time

Time references in KISS-A are always references to CET (Central European Time) or CEST (Central European Summer Time).

Change from CET→CEST: the clocks are changed from winter to summer time on the last Sunday in March of each year; this means the clocks are put forward from 02:00 a.m. to 03:00 a.m. on the Sunday morning. In the KISS-A form, this “missing” hour, i.e. the time from 02:00 a.m. to 03:00 a.m., is filled with the value “0”. On that day, the value area in the data columns still contains 24 hour values so that a standard KISS-A form can be used:

	A	B	C
33	21:00	22:00	1
34	22:00	23:00	1
35	23:00	00:00	1
36	00:00	01:00	1
37	01:00	02:00	1
38	02:00	03:00	0
39	03:00	04:00	1
40	04:00	05:00	1
41	05:00	06:00	1
42		TOTAL	23

Change from CEST→CET: the clocks are changed from summer to winter time on the last Sunday in October of each year; this means the clocks are put back again from 03:00 a.m. to 02:00 a.m. on the Sunday morning, i.e. an additional hour is inserted. For the gas day on which summer time is changed to winter time, a dedicated KISS-A form, with 25 rows in the value area, must be used as this day has 25 hours and 25 hour values must be submitted. The additional hour is inserted in the night between 02:00 a.m. and 03:00 a.m. so that this hour exists twice. To distinguish between these two, the start of the additional hour is marked “A” and the end of the additional hour is marked “B” (... 01:00 - 2A:00, 2A:00 - 2B:00, 2B:00 - 03:00, 03:00 - 04:00, ...):

	A	B	C
33	21:00	22:00	1
34	22:00	23:00	1
35	23:00	00:00	1
36	00:00	01:00	1
37	01:00	2A:00	1
38	2A:00	2B:00	1
39	2B:00	03:00	1
40	03:00	04:00	1
41	04:00	05:00	1
42	05:00	06:00	1
43		**TOTAL**	**25**

2.5.6 Revisions of KISS-A messages by the system operator

Revisions of a version of a KISS-A nomination notification are marked in row 9.

If a nomination/schedule is confirmed unchanged by the system operator, this corresponds to a revision number of 0.

If the system operator changes the values (imposes a restriction), it increases the revision number for that column. As soon as the BRP increases the version number of the data column, the revision number is reset.

3 Nominations and schedules

By way of nominations, the BRP notifies gas volumes per shipper code pair to system operators at grid points that are subject to nomination.

System operators use the nominations to check whether sufficient capacity has been booked for the gas volumes notified and to determine the confirmable injection and withdrawal volumes per shipper code pair together with the adjacent system operator. In the case of the VTP, a nomination by the BRP (or a mere VTP trader) signals a transfer of ownership rights (title transfer service) in the OTC market. For the distribution area manager, the schedules in the distribution area represent the information required for managing the distribution area and for meeting the distribution area manager's information obligations.

The following cases are provided for:

NOMINATION/SCHEDULE MESSAGE BY	RECIPIENT	FORMATS
Title transfer at the VTP	VTP-O	EDIG@S (NOMINT) KISS-A (nomination notification)
Entry/exit at cross-border interconnection points and storage points, or entry from production points in the transmission network	TSO	EDIG@S (NOMINT) KISS-A (nomination notification)
Entry/exit at cross-border interconnection points in the distribution area	DAM	EDIG@S (NOMINT) KISS-A (nomination notification)
Total exit for system users with daily balancing	DAM	EDIG@S (NOMINT) KISS-A (nomination notification)
Total exit for system users with hourly balancing	DAM	EDIG@S (NOMINT) KISS-A (nomination notification)
Exit for individual large consumers and total exit for other system users with hourly balancing[3]	DAM	EDIG@S (NOMINT) KISS-A (nomination notification)
Entry from (withdrawal) or exit into (injection) storage	SSO	EDIG@S (NOMINT) KISS-A (nomination notification)
Entry from production (including biogas)	PSO	EDIG@S (NOMINT) KISS-A (nomination notification)

Notes:

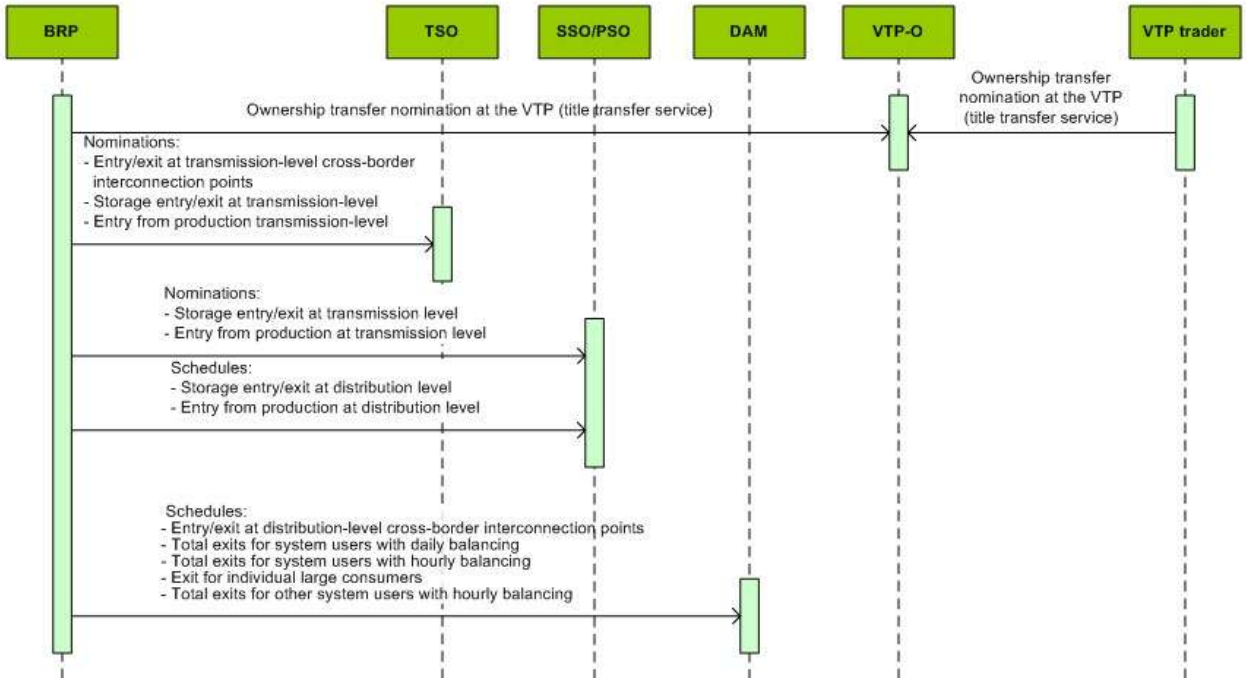
"Other system users with hourly balancing" means the total of all consumers with load profile meters ≤ 50 MW in the hourly balancing regime.

Storage and production points in the transmission network are handled as if they were transmission-level cross-border interconnection points if the respective operator (SSO/PSO) is not member of a balance group. Where the operator is not member of a balance group, the

[3] This information is not relevant to balancing.

BRP must nominate an entry/exit (same direction) both with the TSO and SSO. The system operators carry out a matching process (lesser rule).

3.1 Overview of nomination messages of the BRP



3.2 EDIG@S NOMINT

3.2.1 Use in the nomination and renomination processes

NOMINT is applied pursuant Chapter 2 of the Gas Market Code and EDIG@S (http://www.edigas.org/).

In contrast to this, for entry/exit at cross-border interconnection points in the transmission network (TN) and for entry/exit in the transmission network in the case of nominations with the transmission system operator (TSO), NOMINT is used in two ways:

Capacity nomination, for validation in respect of capacity in balance groups and balancing sub-accounts

Matching nomination, for matching shipper code pairs at cross-border interconnection points

The corresponding information is contained in one nomination message, but in separate line items (or KISS-A columns).

Section 1.6 of the General Message Guidelines (MIG EDIG@S 4.0) is only applied at the VTP.

For detailed application information, please contact the relevant system operator.

3.2.2 NOMINT application specifications

The application specification is based on EDIG@S MIG 4.0, downloadable at http://www.edigas.org/version-4/. The segments are implemented according to the "Information Model Structure" or "XML structure" of the MIG.

Specific extensions of the code qualifiers for the eastern market area are listed in the following table (compiled from an EDIF@CT point of view, because segment descriptions and relations are better readable in this format).

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
Header			
UNH	Beginning of message	Pursuant to MIG	Pursuant to MIG
BGM	Message type identification	Pursuant to MIG	Pursuant to MIG
DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG
SG 1 RFF	Display of contract references in the LIN segment	Pursuant to MIG	Pursuant to requirements by system operators: VTP-O TSO SSO
SG 2 NAD	Sender and recipient identification	Pursuant to MIG	Pursuant to MIG
SG 29 LIN	Position number identification	Pursuant to MIG	Pursuant to MIG
UNS	Information on message separation	Pursuant to MIG	Pursuant to MIG
UNT	End of message	Pursuant to MIG	Pursuant to MIG
Position number (details of data)			
SG 29 LIN → IMD	Gas category identification	Pursuant to MIG	Pursuant to MIG
SG 29 LIN → MEA	Gas quality identification	Pursuant to MIG	Pursuant to MIG
SG 29 LIN → DTM	Description of the LIN position	Pursuant to MIG	Pursuant to MIG
SG 29 LIN → SG 34 RFF	Contract reference	Pursuant to MIG	Pursuant to requirements by system operators: VTP-O TSO: to identify adjacent TSOs at MA entry/exit where there are two or more adjacent TSOs to divide the volumes to be matched SSO
SG 29 LIN → SG 38 LOC	Location identification	Pursuant to MIG	Location names pursuant to the requirements of system operators

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
SG 29 LIN → SG38 LOC → DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG
SG 29 LIN → SG38 LOC → SG39 QTY	Quantity identification	Pursuant to MIG	Restriction: For each line item, only either entry/buy volumes or exit/sell volumes can be specified. Only hourly nominations are permitted.
SG 29 LIN → SG38 LOC → SG39 QTY → STS	Status identification of the quantities	Not used	The functionality of this segment is not supported.
SG 29 LIN → SG41 NAD	BG identifier	Pursuant to MIG	Pursuant to MIG

3.3 KISS-A nomination notification

3.3.1 Use in the nomination and renomination processes

The KISS-A nomination notification is applied pursuant to Chapter 2 of the Gas Market Code.

For detailed application information, please contact the relevant system operator.

The subject line of a nomination notification is composed as follows:

SYNTAX	DATA[blank][gas day]_[search criterion]_[VV]
EXAMPLE	*DATA 20130127_BRP-code_AGGM_VG_OST_04*
ELEMENT	**DESCRIPTION**
[gas day]	Gas day to which the nomination or schedule applies in the format [YYYYMMDD]
[search criterion]	Sequence of signs agreed on by the BRP and the system operator to clearly attribute the message; as a rule contains the BRP code and an acronym of the system operator
[VV]	Version number, two digits (where applicable, with zero in front)

This name convention must also be used in the file name of the KISS-A form in an e-mail attachment, but the “DATA[blank]” sequence can be omitted.

3.3.2 KISS-A application specifications for nomination notifications

Cell A1 (type of message): NOMINT

R...row of the KISS-A file

R	Column B	Description	Columns from C, if sent to			
			TSO	DAM	VTP-O	SSO/PSO
1	DTM (date)	Gas day	Gas day pursuant to date specification	Gas day pursuant to date specification	Gas day pursuant to date specification	Gas day pursuant to date specification
2	STS (priority)	Order of priority - the functionality of this segment is not supported	■ No value ■ 30G ■ 31G	■ No value ■ 30G ■ 31G	■ No value ■ 30G ■ 31G	■ No value ■ 30G ■ 31G
3	NAD (internal shipper, ZSH)	BG in the eastern MA	■ BG EIC code ■ EIC code of balancing sub-account	BG EIC code	BG EIC code	BG EIC code

4	LOC (location)	Location	Location EIC code (e.g. for the Oberkappel point)	■ Aggregation point EIC code:
				  ■ System users with daily balancing
				  ■ System users with hourly balancing
				  ■ Other system users with hourly balancing
				■ Large consumer metering point
				■ Location EIC code (cross-border transport at distribution level)
					EIC code VTP	ZSO code (e.g. storage pool)

5	NAD (external shipper, ZES)	Counterpart code	Shipper EIC code at the adjacent SO (for capacity nominations: BG EIC code)	BG EIC code Cross-border transports at distribution level: shipper EIC code at the adjacent SO	Trading partner BG EIC code	BG EIC code

R	Column B	Description	Columns from C, if sent to			
			TSO	DAM	VTP-O	SSO/PSO
6	RFF (reference)	Code row	■ Empty ■ Adjacent SO EIC code (e.g. for GRTgaz)	Empty	■ Empty ■ Special require-ments in consulta-tion with VTP-O	■ Empty ■ Product ID
7	QTY (direction)	Direction	■ Z02 ■ Z03	■ Z02 ■ Z03	■ Z02 (buy) ■ Z03 (sell)	■ Z02 (inject from stor-age) ■ Z03 (with-draw into storage)
8	- (version)	Version	Ascending start-ing with 1	Ascending starting with 1	Ascending starting with 1	Ascending starting with 1
9	-	NOMRES revi-sion number	Empty	Empty	Empty	Empty
10 - 14	-	Comment field (reserved)	Empty	Empty	Empty	Empty
15	- (kWh/d)	Daily volume	Positive integer value	Positive integer value	Positive integer value	Positive integer value
16	-	(reserved)	Empty	Empty	Empty	Empty
17	QTY (measurement unit)	Unit	kWh	kWh	kWh	kWh
18 - 41	QTY (quantity)	Hourly volume in kWh/h	Positive integer values	Positive integer values	Positive integer values	Positive integer values
42	- (total kWh/d)	Daily volume	Positive integer value	Positive integer value	Positive integer value	Positive integer value

Notes:

For the change between summer and winter time, the last row changes accordingly.

The aggregation metering points in the distribution area are virtual locations that solely serve to process the corresponding time series.

4 Nomination confirmations

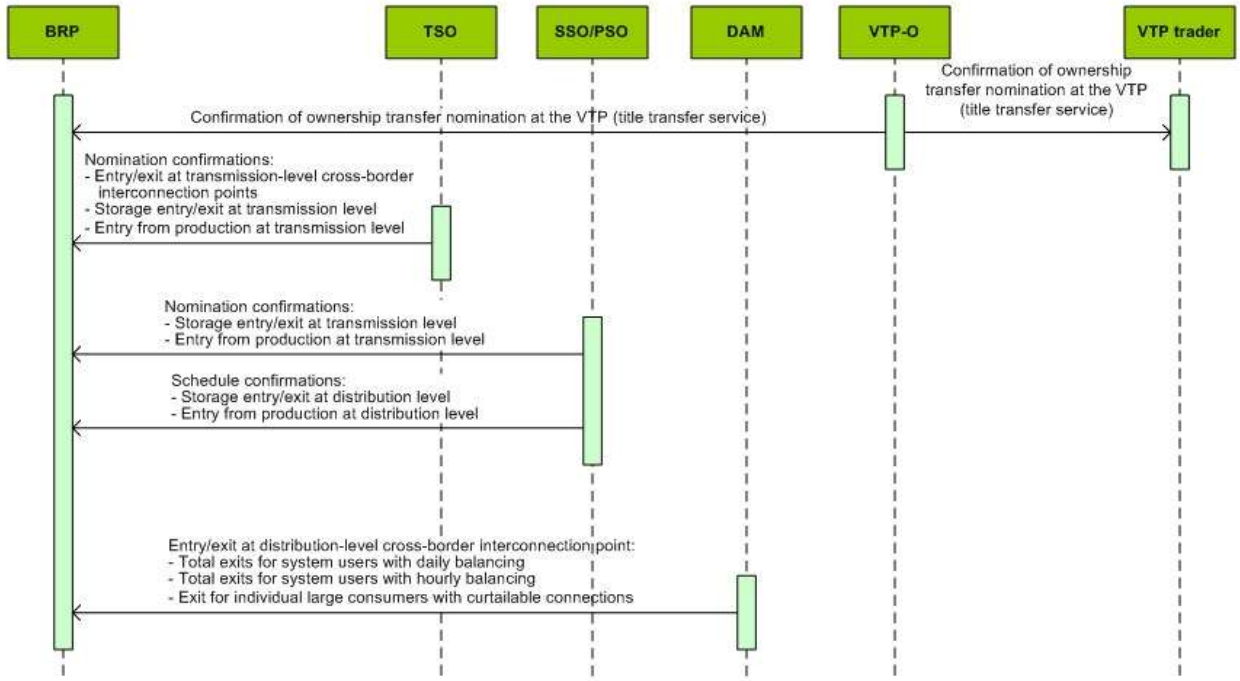
(Re)nomination confirmations serve for system roles to inform BRPs of the gas volume per shipper code pair that can actually be handled as compared to the gas volumes notified at their grid points that are subject to nomination. For the nomination confirmation, the system operator uses the format last used by the BRP.

By analogy to nominations, the following cases are provided for:

CONFIRMATION BY	SENDER	FORMATS
Title transfer at the VTP	VTP-O	EDIG@S (NOMRES) KISS-A (confirmation notification)
Entry/exit at cross-border interconnection points and storage points, or entry from production points in the transmission network	TSO	EDIG@S (NOMRES) KISS-A (confirmation notification)
Entry/exit at cross-border interconnection points in the distribution area	DAM	EDIG@S (NOMRES) KISS-A (confirmation notification)
Total exit for system users with daily balancing	DAM	EDIG@S (NOMRES) KISS-A (confirmation notification)
Total exit for system users with hourly balancing	DAM	EDIG@S (NOMRES) KISS-A (confirmation notification)
Exit for individual large consumers[4]	DAM	EDIG@S (NOMRES) KISS-A (confirmation notification)
Entry from (withdrawal) or exit into (injection) storage	SSO	EDIG@S (NOMRES) KISS-A (confirmation notification)
Entry from production (including biogas)	PSO	EDIG@S (NOMRES) KISS-A (confirmation notification)

[4] Confirmations are issued only for the schedules of large consumers that have curtailable system connections

4.1 Overview of nomination confirmation notifications



4.2 EDIG@S NOMRES

4.2.1 Use in the nomination and renomination processes

NOMRES is applied pursuant to Chapter 2 of the Gas Market Code and EDIG@S (http://www.edigas.org/).

For detailed application information, please contact the relevant system operator.

4.2.2 NOMRES application specifications

The application specification is based on EDIG@S MIG 4.0, downloadable at http://www.edigas.org/version-4/. The segments are implemented according to the “Information Model Structure” or “XML structure” of the MIG.

Specific extensions of the code qualifiers for the eastern market area are listed in the following table (compiled from an EDIF@CT point of view, because segment descriptions and relations are better readable in this format).

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
Header			
UNH	Beginning of message	Pursuant to MIG	Pursuant to MIG
BGM	Message type identification	Pursuant to MIG	Pursuant to MIG
DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
SG 1 RFF	Display of contract references in the LIN segment	Pursuant to MIG	Pursuant to requirements by system operators: VTP-O TSO SSO
SG 3 NAD	Sender and recipient identification	Pursuant to MIG	Pursuant to MIG
SG 27 LIN	Position number identification	Pursuant to MIG	Pursuant to MIG
UNS	Information on message separation	Pursuant to MIG	Pursuant to MIG
UNT	End of message	Pursuant to MIG	Pursuant to MIG
Position number (details of data)			
SG 29 LIN → IMD	Gas category identification	Pursuant to MIG	Pursuant to MIG
SG 29 LIN → MEA	Gas quality identification	Pursuant to MIG	Pursuant to MIG
SG 29 LIN → DTM	Description of the LIN position	Pursuant to MIG	Pursuant to MIG
SG 29 LIN → SG 34 RFF	Contract reference	Pursuant to MIG	Pursuant to requirements by system operators: VTP-O TSO: to identify adjacent TSOs at MA entry/exit where there are two or more adjacent TSOs to divide the volumes to be matched SSO
SG 29 LIN → SG 38 LOC	Location identification	Pursuant to MIG	Location names pursuant to the requirements of system operators
SG 29 LIN → SG38 LOC → DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG
SG 29 LIN → SG38 LOC → SG39 QTY	Quantity identification	Pursuant to MIG	Restriction: For each line item, only either entry/buy volumes or exit/sell volumes can be specified. Only hourly nominations are permitted.
SG 29 LIN → SG38 LOC → SG39 QTY → STS	Status identification of the quantities	Not used	The functionality of this segment is not supported.
SG 29 LIN → SG41 NAD	BG identifier	Pursuant to MIG	Pursuant to MIG

4.3 KISS-A confirmation notification

4.3.1 Use in the nomination and renomination processes

The KISS-A confirmation notification is applied pursuant to Chapter 2 of the Gas Market Code.

The system operator can combine confirmation of several nominations or schedules in one confirmation notification.

The subject line of a confirmation notification is composed as follows:

SYNTAX	DATA[blank][gas day]_[search criterion]_[VV] _NOMRES
EXAMPLE	*DATA 20130127_BRP-code_AGGM_VG_OST_04_NOMRES*
ELEMENT	**DESCRIPTION**
[gas day]	Gas day to which the nomination or schedule applies in the format [YYYYMMDD]
[search criterion]	Sequence of signs agreed on by the BRP and the system operator to clearly attribute the message; as a rule contains the BRP code and an acronym of the system operator
[VV]	Version number, two digits (where applicable, with zero in front)

4.3.2 KISS-A application specifications for confirmation notifications

Cell A1 (type of message): NOMRES

R...row of the KISS-A file

R	COLUMN B	DESCRIPTION	COLUMNS FROM C, IF USED BY			
			TSO	DAM	VTP-O	SSO/PSO
1	DTM (date)	Gas day	Gas day pursuant to date specification	Gas day pursuant to date specification	Gas day pursuant to date specification	Gas day pursuant to date specification
2	STS (priority)	Order of priority - the functionality of this segment is not supported	■ No value ■ 30G ■ 31G	■ No value ■ 30G ■ 31G	■ No value ■ 30G ■ 31G	■ No value ■ 30G ■ 31G
3	NAD (internal shipper, ZSH)	BG in the eastern MA	■ BG EIC code ■ EIC code of balancing sub-account	BG EIC code	BG EIC code	BG EIC code

R	Column B	Description	Columns from C, if used by			
			TSO	DAM	VTP-O	SSO/PSO
4	LOC (location)	Location	Location EIC code (e.g. for the Oberkappel point)	■ Aggregation point EIC code: ■ System users with daily balancing ■ System users with hourly balancing ■ Large consumer metering point ■ Location EIC code (cross-border transport at distribution level)	EIC code VTP	ZSO code (e.g. storage pool)
5	NAD (external shipper, ZES)	Counterpart code	Shipper EIC code at the adjacent SO	BG EIC code Cross-border transports at distribution level: shipper EIC code at the adjacent SO	Trading partner BG EIC code	BG EIC code
6	RFF (reference)	Code row	■ Empty ■ Adjacent SO EIC code (e.g. for GRTgaz)	■ Empty	■ Empty ■ Special requirements, as NOMINT	■ Empty ■ Product ID
7	QTY (direction)	Direction	■ Z02 ■ Z03	■ Z02 ■ Z03	■ Z02 (buy) ■ Z03 (sell)	■ Z02 (inject from storage) ■ Z03 (withdraw into storage)
8	- (version)	Version	Ascending starting with 1	Ascending starting with 1	Ascending starting with 1	Ascending starting with 1
9	-	NOMRES revision number	Revision number starting with 0	Revision number starting with 0	Revision number starting with 0	Revision number starting with 0
10 - 14	-	Comment field (reserved)	Empty	Empty	Empty	Empty
15	- (kWh/d)	Daily volume	Positive integer value	Positive integer value	Positive integer value	Positive integer value
16	-	(reserved)	Empty	Empty	Empty	Empty

R	Column B	Description	Columns from C, if used by			
			TSO	DAM	VTP-O	SSO/PSO
17	QTY (measurement unit)	Unit	kWh	kWh	kWh	kWh
18 - 41	QTY (quantity)	Hourly volume in kWh/h	Positive integer values	Positive integer values	Positive integer values	Positive integer values
42	- (total kWh/d)	Daily volume	Positive integer value	Positive integer value	Positive integer value	Positive integer value

Notes:

For the change between summer and winter time, the last row changes accordingly.

The aggregation metering points in the distribution area are virtual locations that solely serve to process the corresponding time series.

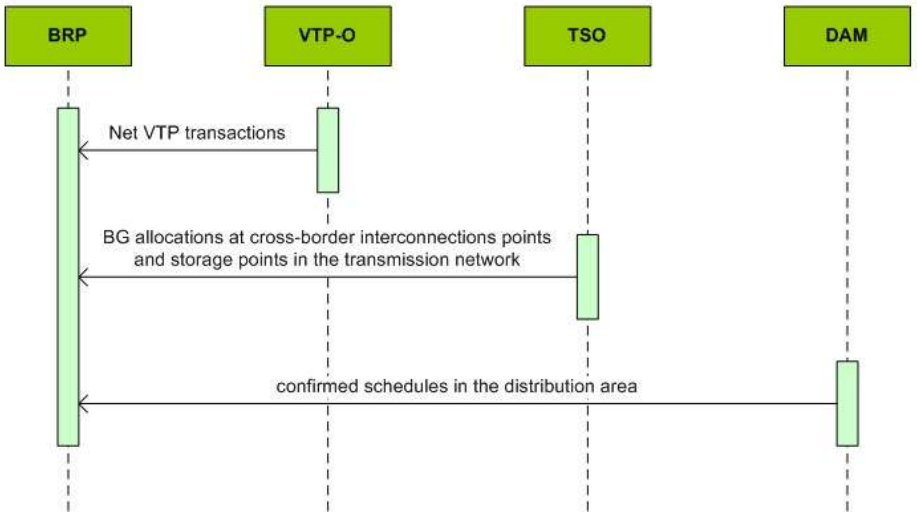
5 Allocation messages

Pursuant to Chapter 2 of the Gas Market Code, on D+1 the BRP receives the values allocated by the respective system operator as information in addition to the confirmed nominations.

The following cases are provided for:

INFORMATION CONTENT	SENDER	FORMATS
Allocated net VTP transactions (exchange and OTC)	VTP-O	EDIG@S (ALOCAT) KISS-A (ALOCAT)
Allocations for entry/exit at cross-border interconnection points and storage points, or entry from production points in the transmission network	TSO	EDIG@S (ALOCAT) KISS-A (ALOCAT)
Allocated schedules for cross-border interconnection points in the distribution area, storage, production, total of consumers with daily balancing, total of consumers with hourly balancing	DAM	EDIG@S (ALOCAT) KISS-A (ALOCAT)

5.1 Overview of allocation messages



5.2 EDIG@S ALOCAT

5.2.1 Use in the nomination and renomination processes

ALOCAT is applied pursuant to Chapter 2 of the Gas Market Code and EDIG@S (http://www.edigas.org/).

For detailed application information, please contact the relevant system operator.

5.2.2 ALOCAT application specifications

The application specification is based on EDIG@S MIG 4.0, downloadable at http://www.edigas.org/version-4/. The segments are implemented according to the "Information Model Structure" or "XML structure" of the MIG.

Specific extensions of the code qualifiers for the eastern market area are listed in the following table (compiled from an EDIF@CT point of view, because segment descriptions and relations are better readable in this format).

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
Header			
UNH	Beginning of message	Pursuant to MIG	Pursuant to MIG
BGM	Message type identification	Pursuant to MIG	Pursuant to MIG
SG DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG
SG 1 RFF	Contract reference	Pursuant to MIG	Special requirements set by system operators: DAM, to distinguish between allocation messages and SLP forecasts VTP-O
SG 3 NAD	Sender and recipient identification	Pursuant to MIG	Pursuant to MIG
SG 27 LIN	Position number identification	Pursuant to MIG	Pursuant to MIG
UNS	Information on message separation	Pursuant to MIG	Pursuant to MIG
UNT	End of message	Pursuant to MIG	Pursuant to MIG
Position number (details of data)			
LIN→MEA	Gas quality identification	Pursuant to MIG	Pursuant to MIG
LIN→ DTM	Description of the LIN position	Pursuant to MIG	Pursuant to MIG
LIN→SG 32 RFF	Contract reference	Pursuant to MIG	If applicable, special requirements set by system operators

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
LIN→SG 36 LOC	Location identification	Pursuant to MIG	Special requirements for location names: ■ VTP-O: code for VTP ■ DAM: in accordance with the schedules submitted by the BRP
LIN→SG36→DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG
LIN→SG37 QTY	Quantity identification	Pursuant to MIG	Requirements deviating from the MIG: ■ For each line item, only either entry volumes or exit volumes can be specified ■ Only hourly volumes are permitted
LIN→SG37→STS	Status identification of the quantities	Reserved	Reserved for internal communication between system operators
LIN→SG39 NAD	BG identifier	Pursuant to MIG	Pursuant to MIG

5.3 KISS-A allocation message

5.3.1 Use in the nomination and renomination processes

KISS-A ALOCAT is applied pursuant to Chapter 2 of the Gas Market Code.

The subject line is composed as follows:

SYNTAX	DATA[blank][gas day]_[search criterion]_[VV] _ALOCAT
EXAMPLE	*DATA 20130127_BRP-code_AGGM_VG_OST_04_ALOCAT*
ELEMENT	**DESCRIPTION**
[gas day]	Gas day to which the nomination or schedule applies in the format [YYYYMMDD]
[search criterion]	Sequence of signs agreed on by the BRP and the system operator to clearly attribute the message; as a rule contains the BRP code and an acronym of the system operator
[VV]	Version number, two digits (where applicable, with zero in front)

5.3.2 KISS-A ALOCAT application specifications

Cell A1 (type of message): ALOCAT

R...row of the KISS-A file

R	Column B	Description	Columns from C, if used by		
			TSO	DAM	VTP-O
1	DTM (date)	Gas day	Gas day pursuant to date specification	Gas day pursuant to date specification	Gas day pursuant to date specification
2	-	-	-	-	-
3	NAD (internal shipper, ZSH)	BG in the eastern MA	BG EIC code	BG EIC code	BG EIC code
4	LOC (location)	Location	Location EIC code (e.g. for the Oberkappel point)	Location EIC code: ■ Locations cross-border transport at distribution level ■ Locations storage/production pool ■ Location “point of system user with daily balancing” ■ Location “point of system user with hourly balancing”	EIC code VTP
5	-	-	-	-	-
6	RFF (contract reference)	Code row	-	■ In allocation messages: empty ■ In SLP forecasts: “SLP_Forecast”	■ Empty ■ Special requirements in consultation with VTP-O
7	QTY (direction)	Direction	■ Z02 ■ Z03	■ Z02 ■ Z03	■ Z02 (entry MA) ■ Z03 (exit MA)
8	- (version)	Version	Ascending starting with 1	Ascending starting with 1	Ascending starting with 1
9	-	-	-	-	-
10-14	-	Comment field (reserved)	Empty	Empty	Empty
15	- (kWh/d)	Daily volume	Positive integer value	Positive integer value	Positive integer value
16	-	(reserved)	Empty	Empty	Empty
17	QTY (measurement unit)	Unit	kWh	kWh	kWh
18-41	QTY (quantity)	Hourly volume in kWh/h	Positive integer values	Positive integer values	Positive integer values

R	Column B	Description	Columns from C, if used by		
			TSO	DAM	VTP-O
42	- (total kWh/d)	Daily volume	Positive integer value	Positive integer value	Positive integer value

Notes: For the change between summer and winter time, the last row changes accordingly.

6 Information on BG imbalances

The MAM informs the BRPs about:

the carry-forward account balance

the hourly imbalance based on allocated nominations

the hourly injection based on allocated nominations

the hourly withdrawal based on allocated nominations

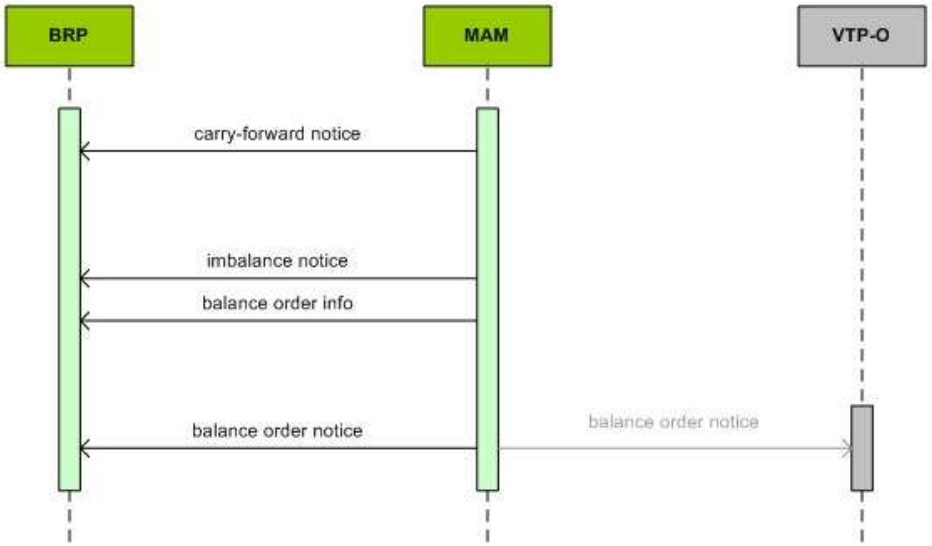
the amount of the planned exchange order to balance the BG

the amount of the actual exchange order to balance the BG

For these purposes, the following messages are provided for:

MESSAGE	SENDER	FORMATS
Carry-forward notice	MAM	EDIG@S (IMBNOT) KISS-A (carry-forward notice)
Imbalance notice (hourly imbalance, hourly injection and hourly withdrawal of the BG)	MAM	EDIG@S (IMBNOT) KISS-A (imbalance notice)
Balance order info (planned exchange order to balance the BG)	MAM	EDIG@S (IMBNOT) KISS-A (balance order info)
Balance order notice (actual exchange order to balance the BG)	MAM	EDIG@S (IMBNOT) KISS-A (balance order notice)

6.1 Overview of settlement messages from the viewpoint of the BRP



6.2 Explanation of direction indications in the IMBNOT

The direction is indicated from the BRP / BG point of view, i.e.

- Specification for CF status and imbalance notice:

- ZPD → Debit → BRP debit towards MAM → BG short
- ZPE → Credit → BRP claim from MAM → BG long

- Specification for balance order info and balance order notice: this is the counterpart specification (counterposition in BG to eliminate an imbalance):
  - ZPD → balance long position → sell
  - ZPE → balance short position → buy

6.3 EDIG@S IMBNOT

6.3.1 Use in the settlement process

IMBNOT is applied by the MAM pursuant to Chapter 2 of the Gas Market Code and EDIG@S (http://www.edigas.org/); four cases are distinguished:

CASE	DESCRIPTION	INFORMATION CONTAINED	DISTINCTION
1	IMBNOT (carry-forward notice)	Carry-forward account balance	BGM MessageType: 14G (imbalance notification) RFF (SG32): empty Only a daily value in the line item (AccountPosition by way of SG43)
2	IMBNOT (imbalance notice)	Based on allocated nominations (one LIN segment each): hourly imbalance (BG long, ZPE) hourly imbalance (BG short, ZPD) hourly injection (total, ZPE) hourly withdrawal (total, ZPD)	BGM MessageType: 14G (imbalance notification) RFF (SG32): code from list of codes (IMBALANCE_LONG, IMBALANCE_SHORT, ENTRY, EXIT) hourly values in line items (QuantityInformation by way of SG36-SG37)
3	IMBNOT (balance order info)	Amount of the planned exchange order to balance the BG	BGM MessageType: 16G (reconciliation notification) STS (SG43): 04G
4	IMBNOT (balance order notice)	Amount of the actual exchange order to balance the BG	BGM MessageType: 16G (reconciliation notification) STS (SG43): 05G

Notes on XML implementation:

- CF status: in contrast to the specification, only the AccountPosition is submitted here.
- Imbalance notice: only contains QuantityInformation.
- Balance order info and balance order notice: in addition to the QuantityInformation, also the AccountPosition is necessary to submit status information (differentiate between balance

order info and balance order notice). The QuantityInformation indicates the transaction volumes for each hour. The position information contained in the AccountPosition reflects the transactions planned/requested for the rest of the day (corresponds to the daily total in KISS-A). The quantity information in the AccountPosition does not refer to the position.

6.3.2 IMBNOT application specifications

The application specification is based on EDIG@S MIG 4.0, downloadable at http://www.edigas.org/version-4/. The segments are implemented according to the "Information Model Structure" or "XML structure" of the MIG.

Specific extensions of the code qualifiers for the eastern market area are listed in the following table (compiled from an EDIF@CT point of view, because segment descriptions and relations are better readable in this format).

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
Header			
UNH	Beginning of message	Pursuant to MIG	Pursuant to MIG
BGM	Message type identification	Pursuant to MIG	Pursuant to MIG
DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG
SG 1 RFF	Contract reference	Pursuant to MIG	Pursuant to MIG
SG 3 NAD	Sender and recipient identification	Pursuant to MIG	Pursuant to MIG
SG 27 LIN	Position number identification	Pursuant to MIG	Pursuant to MIG
UNS	Information on message separation	Pursuant to MIG	Pursuant to MIG
UNT	End of message	Pursuant to MIG	Pursuant to MIG
Position number (details of data)			
SG 27 LIN → SG31 PRI	Price information	Not used	Pursuant to MIG
SG 27 LIN → SG31 PRI → CUX	Price information	Not used	Pursuant to MIG
SG 27 LIN → SG31 PRI → DTM	Price information	Not used	Pursuant to MIG
SG 27 LIN → SG32 RFF	Contract reference	Pursuant to MIG Is only used for the second case	Pursuant to MIG List of codes for the second case: IMBALANCE_LONG (hourly imbalance, BG long, ZPE) IMBALANCE_SHORT (hourly imbalance, BG short, ZPD) ENTRY (hourly injection, total, ZPE) EXIT (hourly withdrawal, total, ZPD)

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
SG 27 LIN → SG36 LOC	Location identification	Z99	Pursuant to MIG
SG 27 LIN → SG36 → DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG
SG 27 LIN → SG36 → SG37 QTY	Quantity identification	Pursuant to MIG	Pursuant to MIG
SG 27 LIN → SG39 NAD	BG identifier	Pursuant to MIG	Pursuant to MIG
SG 27 LIN → SG39 NAD → SG40 RFF	Category identifier	Pursuant to MIG	Pursuant to MIG
SG 27 LIN → SG39 NAD → SG43 QTY	Quantity identification	Pursuant to MIG	Pursuant to MIG
SG 27 LIN → SG39 NAD → SG43 QTY → STS	Status identification of the quantity	Pursuant to MIG	Pursuant to MIG
SG 27 LIN → SG39 NAD → SG43 QTY → DTM	Time and validity identification	Pursuant to MIG	Pursuant to MIG

6.4 KISS-A IMBNOT

6.4.1 Use in the settlement process

KISS-A IMBNOT is applied by the MAM pursuant to Chapter 2 of the Gas Market Code; four cases are distinguished:

CASE	DESCRIPTION	INFORMATION CONTAINED	DISTINCTION
1	IMBNOT (carry-forward notice)	Carry-forward account balance	Cell A1: IMBNOT_CF Header information: • STS (SG43)=empty • RFF (SG32)=empty
2	IMBNOT (imbalance notice)	Based on allocated nominations (one column each): hourly imbalance (BG long) hourly imbalance (BG short) hourly injection (total) hourly withdrawal (total)	Cell A1: IMBNOT_IN Header information: • STS (SG43)=empty • RFF (SG32)=code from list of codes (IMBALANCE_LONG, IMBALANCE_SHORT, ENTRY, EXIT)
3	IMBNOT (balance order info)	Amount of the planned exchange order to balance the BG	Cell A1: IMBNOT_OI Header information: STS (SG43)=04G
4	IMBNOT (balance order notice)	Amount of the actual exchange order to balance the BG	Cell A1: IMBNOT_ON Header information: STS (SG43)=05G

The subject line of an IMBNOT message is composed as follows:

SYNTAX	DATA[blank][gas day]_[search criterion]_[VV] _IMBNOT_[case]
EXAMPLE	*DATA 20130127_BRP-code_MAM_02_IMBNOT_OI*
ELEMENT	**DESCRIPTION**
[gas day]	Gas day to which the nomination or schedule applies in the format [YYYYMMDD]
[search criterion]	Contains the BRP code and the acronym of the MAM
[VV]	Version number, two digits (where applicable, with zero in front)
[case]	Depending on the case: CF, IN, OI, ON (see above)

6.4.2 KISS-A IMBNOT application specifications

IMBNOT is applied pursuant to Chapter 2 of the Gas Market Code.

R...row of the KISS-A file

R	Column B	Description	Columns from C, for case			
			Carry-forward notice	Imbalance notice	Balance order info	Balance order notice
1	DTM (date)	Gas day	Gas day pursuant to date specification	Gas day pursuant to date specification	Gas day pursuant to date specification	Gas day pursuant to date specification
2	STS (reconciliation status)		Empty	Empty	04G (provisional)	05G (definitive)
3	NAD (internal shipper, ZSH)	BG in the eastern MA	BG EIC code	BG EIC code	BG EIC code	BG EIC code
4	LOC (location)	Location	Empty	Empty	Empty	Empty
5	-	(reserved)	Empty	Empty	Empty	Empty
6	RFF (reference)	Code row	Empty	■ IMBALANCE_LONG ■ IMBALANCE_SHORT ■ ENTRY ■ EXIT	Empty	Empty
7	QTY (direction)	Direction	■ ZPD ■ ZPE	■ ZPD ■ ZPE	■ ZPD ■ ZPE	■ ZPD ■ ZPE
8	- (version)	Version	Ascending starting with 1	Ascending starting with 1	Ascending starting with 1	Ascending starting with 1
9	-	(reserved)	Empty	Empty	Empty	Empty
10 - 14	-	Comment field (reserved)	Empty	Empty	Empty	Empty
15	- (kWh/d)	Daily volume	Positive integer value (carry-forward status)	Positive integer value	Positive integer value	Positive integer value
16	-	(reserved)	Empty	Empty	Empty	Empty
17	QTY (measurement unit)	Unit	kWh	kWh	kWh	kWh

R	Column B	Description	Columns from C, for case			
			Carry-forward notice	Imbalance notice	Balance order info	Balance order notice
18 - 41	QTY (quantity)	Hourly volume or contract volume in kWh/h	Row 18: positive integer value (carry-forward status), the remaining rows (19-41) must be filled with 0 (zero)	Positive integer values	Positive integer values	Positive integer values
42	- (total kWh/d)	Daily volume	Positive integer value (carry-forward status)	Positive integer value	Positive integer value	Positive integer value

Note: For the change between summer and winter time, the last row changes accordingly.

7 Acknowledgement message

For nominations or schedule messages, an acknowledgement message is provided for. The acknowledgement message includes two types of validations:

Syntax validation

Semantic validation

Immediately after receipt of the message, the system operator generates and provides the acknowledgement message. The system operator itself does not receive/process any acknowledgement reports.

7.1 EDIG@S APERAK

7.1.1 Use of acknowledgement messages

For NOMINT, an acknowledgement message is implemented in the following manner:

Syntax validation: for this validation, no separate acknowledgement message is required. In the case of a syntax error, no acknowledgement message is sent.

Semantic validation: a semantic validation is carried out only if the syntax validation is positive. After completion of the semantic validation, the BRP receives an APERAK message from the system operator.

The BRP can enquire with the system operator whether sending an acknowledgement message by the system operator can be omitted.

7.1.2 APERAK application specification

The application specification is based on EDIG@S MIG 4.0, downloadable at http://www.edigas.org/version-4/. The segments are implemented according to the “Information Model Structure” or “XML structure” of the MIG.

Specific extensions of the code qualifiers for the eastern market area are listed in the following table (compiled from an EDIF@CT point of view, because segment descriptions and relations are better readable in this format). For detailed application information, please contact the relevant system operator.

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
Header			
UNH	Beginning of message	Pursuant to MIG	Pursuant to MIG
BGM	Message type identification	Pursuant to MIG	Pursuant to MIG
DTM	Time identification	Pursuant to MIG	Pursuant to MIG
SG 2 RFF	Reference to the original message	Pursuant to MIG	Pursuant to MIG
SG 2 RFF → DTM	Time reference of the original message	Pursuant to MIG	Pursuant to MIG

SEGMENT	CONTENT	USE IN THE EASTERN MA	ADDITIONAL CODE QUALIFIERS FOR THE EASTERN MA
SG 3 NAD	Reference to the sender and recipient identifiers of the original message	Pursuant to MIG	Pursuant to MIG
SG 4 ERC	Error code	Pursuant to MIG	Pursuant to MIG
SG 4 ERC → FTX	Error description (free text)	Pursuant to MIG	Pursuant to MIG
UNT	End of message	Pursuant to MIG	Pursuant to MIG

7.2 KISS-A DATA_QUIT

7.2.1 Use of acknowledgement messages

For the KISS-A nomination notification, an acknowledgement message is implemented in the following manner: in every case, the sender of a KISS-A nomination notification receives a DATA_QUIT message from the recipient as an acknowledgement of receipt. If there is no acknowledgement of receipt, the sender must deem the message not received by the recipient. If an error is detected in a validation step upon receipt of a message, a description of the error is provided in the DATA_QUIT message.

The subject line of a DATA_QUIT message is composed as follows:

SYNTAX	DATA_QUIT[blank][XX]-OK[blank][YY]-NOK[blank][reference]
EXAMPLE	*DATA_QUIT 15-OK 2-NOK DATA 20130127_BRP-code_AGGM_VG_OST_04*
ELEMENT	**DESCRIPTION**
[XX]	Number of “OK” values reported
[YY]	Number of “NOK” (not OK) values reported
[reference]	Subject line of the message to which the acknowledgement applies (attribution of the DATA_QUIT message)

The logic of calculating the number of reported “OK” and “NOK” values and the descriptions of errors are defined by the respective system operator.

8 Annex

8.1 KISS-A examples

Before being used, the examples must be adjusted to the specific details of the intended transport or trading process (e.g. the number of data columns, EIC codes, contract references, direction, version etc.).

If you have any questions, please contact the relevant system operator.

8.1.1 Example: Nomination with the TSO

This is an example of a nomination for entry at Oberkappel, involving acceptance from two counterparts in the system of Open Grid Europe in Germany, and acceptance from one counterpart in the system of GRTgaz Deutschland. The matching nomination corresponds here to columns C to E, the capacity nomination to column F.

	A	B	C	D	E	F
1	NOMINT	DTM (date)	15.08.2013	15.08.2013	15.08.2013	15.08.2013
2		STS (priority)				
3		NAD (internal shipper)	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]
4		LOC (location)	[EIC-Code Oberkappel]	[EIC-Code Oberkappel]	[EIC-Code Oberkappel]	[EIC-Code Oberkappel]
5		NAD (external shipper)	[EIC-Code Counterpart1]	[EIC-Code Counterpart2]	[EIC-Code Counterpart2]	[EIC-Code BG]
6		RFF (reference)	[EIC-Code OGE]	[EIC-Code OGE]	[EIC-Code GRTgaz]	
7		QTY (direction)	Z02	Z02	Z02	Z02
8		Version	1	1	1	1
9		NOMRES-Revision				
10		Comments				
11						
12						
13						
14						
15	checksum	kWh	24	24	24	72
16						
17	FROM	TO	kWh	kWh	kWh	kWh
18	06:00	07:00	1	1	1	3
19	07:00	08:00	1	1	1	3
20	08:00	09:00	1	1	1	3
21	09:00	10:00	1	1	1	3
22	10:00	11:00	1	1	1	3
23	11:00	12:00	1	1	1	3
24	12:00	13:00	1	1	1	3
25	13:00	14:00	1	1	1	3
26	14:00	15:00	1	1	1	3
27	15:00	16:00	1	1	1	3
28	16:00	17:00	1	1	1	3
29	17:00	18:00	1	1	1	3
30	18:00	19:00	1	1	1	3
31	19:00	20:00	1	1	1	3
32	20:00	21:00	1	1	1	3
33	21:00	22:00	1	1	1	3
34	22:00	23:00	1	1	1	3
35	23:00	00:00	1	1	1	3
36	00:00	01:00	1	1	1	3
37	01:00	02:00	1	1	1	3
38	02:00	03:00	1	1	1	3
39	03:00	04:00	1	1	1	3
40	04:00	05:00	1	1	1	3
41	05:00	06:00	1	1	1	3
42		TOTAL	24	24	24	72

8.1.2 Example: Nomination with the VTP-O

The following example illustrates the OTC purchase from a BG and the OTC sale to another BG:

	A	B	C	D
1	NOMINT	DTM (date)	15.08.2013	15.08.2013
2		STS (priority)		
3		NAD (internal shipper)	[EIC-Code BG]	[EIC-Code BG]
4		LOC (location)	[EIC-Code VHP]	[EIC-Code VHP]
5		NAD (external shipper)	[EIC-Code Counterpart-BG1]	[EIC-Code Counterpart-BG2]
6		RFF (reference)		
7		QTY (direction)	Z02	Z03
8		Version	1	1
9		NOMRES-Revision		
10		Comments		
11				
12				
13				
14				
15	checksum	kWh	24000	48000
16				
17	FROM	TO	kWh	kWh
18	06:00	07:00	1000	2000
19	07:00	08:00	1000	2000
20	08:00	09:00	1000	2000
21	09:00	10:00	1000	2000
22	10:00	11:00	1000	2000
23	11:00	12:00	1000	2000
24	12:00	13:00	1000	2000
25	13:00	14:00	1000	2000
26	14:00	15:00	1000	2000
27	15:00	16:00	1000	2000
28	16:00	17:00	1000	2000
29	17:00	18:00	1000	2000
30	18:00	19:00	1000	2000
31	19:00	20:00	1000	2000
32	20:00	21:00	1000	2000
33	21:00	22:00	1000	2000
34	22:00	23:00	1000	2000
35	23:00	00:00	1000	2000
36	00:00	01:00	1000	2000
37	01:00	02:00	1000	2000
38	02:00	03:00	1000	2000
39	03:00	04:00	1000	2000
40	04:00	05:00	1000	2000
41	05:00	06:00	1000	2000
42		TOTAL	24000	48000

8.1.3 Example: Nomination with the DAM

This example corresponds to the scheduling of the consumption of several (where applicable) consumers in the daily and hourly balancing system and one large consumer, and the notification of a cross-border market area entry at distribution level.

	A	B	C	D	E	F	G
1	NOMINT	DTM (date)	15.08.2013	15.08.2013	15.08.2013	15.08.2013	15.08.2013
2		STS (priority)					
3		NAD (internal shipper)	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]
4		LOC (location)	[EIC-Code Aggregationspunkt TB]	[EIC-Code Aggregationspunkt SB]	[EIC-Code Aggregationspunkt SSB]	[Locationcode Großabnehmer]	[EIC-Code Grenzkoppelpunkt VQ]
5		NAD (external shipper)	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code Counterpart]
6		RFF (reference)					
7		QTY (direction)	Z03	Z03	Z03	Z03	Z02
8		Version	1	1	1	1	1
9		NOMRES-Revision					
10		Comments					
11							
12							
13							
14							
15	checksum	kWh	24	3600	1200	2400	2400
16							
17	FROM	TO	kWh	kWh	kWh	kWh	kWh
18	06:00	07:00	10	100	100	0	100
19	07:00	08:00	10	100	100	0	100
20	08:00	09:00	10	100	100	0	100
21	09:00	10:00	10	100	100	0	100
22	10:00	11:00	10	100	100	0	100
23	11:00	12:00	10	100	100	0	100
24	12:00	13:00	10	100	100	0	100
25	13:00	14:00	10	100	100	0	100
26	14:00	15:00	10	100	100	0	100
27	15:00	16:00	10	100	100	0	100
28	16:00	17:00	10	200	0	200	100
29	17:00	18:00	10	100	100	0	100
30	18:00	19:00	10	200	0	200	100
31	19:00	20:00	10	0	0	0	100
32	20:00	21:00	10	300	100	200	100
33	21:00	22:00	10	200	0	200	100
34	22:00	23:00	10	200	0	200	100
35	23:00	00:00	10	200	0	200	100
36	00:00	01:00	10	200	0	200	100
37	01:00	02:00	10	200	0	200	100
38	02:00	03:00	10	200	0	200	100
39	03:00	04:00	10	200	0	200	100
40	04:00	05:00	10	200	0	200	100
41	05:00	06:00	10	200	0	200	100
42		TOTAL	240	3600	1200	2400	2400

8.1.4 Example: Nomination with the SSO/PSO

In this example, gas is withdrawn from a storage pool (corresponds to an entry into the MA).

	A	B	C
1	NOMINT	DTM (date)	15.08.2013
2		STS (priority)	
3		NAD (internal shipper)	[EIC-Code BG]
4		LOC (location)	[Location/Pool]
5		NAD (external shipper)	[EIC-Code BG]
6		RFF (reference)	
7		QTY (direction)	Z02
8		Version	1
9		NOMRES-Revision	
10		Comments	
11			
12			
13			
14			
15	checksum	kWh	24000
16			
17	FROM	TO	kWh
18	06:00	07:00	1000
19	07:00	08:00	1000
20	08:00	09:00	1000
21	09:00	10:00	1000
22	10:00	11:00	1000
23	11:00	12:00	1000
24	12:00	13:00	1000
25	13:00	14:00	1000
26	14:00	15:00	1000
27	15:00	16:00	1000
28	16:00	17:00	1000
29	17:00	18:00	1000
30	18:00	19:00	1000
31	19:00	20:00	1000
32	20:00	21:00	1000
33	21:00	22:00	1000
34	22:00	23:00	1000
35	23:00	00:00	1000
36	00:00	01:00	1000
37	01:00	02:00	1000
38	02:00	03:00	1000
39	03:00	04:00	1000
40	04:00	05:00	1000
41	05:00	06:00	1000
42		TOTAL	24000

8.1.5 Example: ALOCAT by the TSO

	A	B	C	D
1	ALOCAT	DTM (date)	15.08.2013	15.08.2013
2				
3		NAD (internal shipper)	[EIC-Code BG]	[EIC-Code BG]
4		LOC (location)	[EIC-Code Oberkappel]	[EIC-Code Oberkappel]
5				
6		RFF (reference)		
7		QTY (direction)	Z02	Z03
8		Version	1	1
9				
10		Comments		
11				
12				
13				
14				
15	checksum	kWh	10	14
16				
17	FROM	TO	kWh	kWh
18	06:00	07:00	1	0
19	07:00	08:00	1	0
20	08:00	09:00	1	0
21	09:00	10:00	1	0
22	10:00	11:00	1	0
23	11:00	12:00	1	0
24	12:00	13:00	1	0
25	13:00	14:00	1	0
26	14:00	15:00	1	0
27	15:00	16:00	1	0
28	16:00	17:00	0	1
29	17:00	18:00	0	1
30	18:00	19:00	0	1
31	19:00	20:00	0	1
32	20:00	21:00	0	1
33	21:00	22:00	0	1
34	22:00	23:00	0	1
35	23:00	00:00	0	1
36	00:00	01:00	0	1
37	01:00	02:00	0	1
38	02:00	03:00	0	1
39	03:00	04:00	0	1
40	04:00	05:00	0	1
41	05:00	06:00	0	1
42		TOTAL	10	14

8.1.6 Example: ALOCAT by the VTP-O

	A	B	C	D
1	ALOCAT	DTM (date)	15.08.2013	15.08.2013
2				
3		NAD (internal shipper)	[EIC-Code BG]	[EIC-Code BG]
4		LOC (location)	[EIC-Code VHP]	[EIC-Code VHP]
5				
6		RFF (reference)		
7		QTY (direction)	Z02	Z03
8		Version	1	1
9				
10		Comments		
11				
12				
13				
14				
15	checksum	kWh	10	14
16				
17	FROM	TO	kWh	kWh
18	06:00	07:00	1	0
19	07:00	08:00	1	0
20	08:00	09:00	1	0
21	09:00	10:00	1	0
22	10:00	11:00	1	0
23	11:00	12:00	1	0
24	12:00	13:00	1	0
25	13:00	14:00	1	0
26	14:00	15:00	1	0
27	15:00	16:00	1	0
28	16:00	17:00	0	1
29	17:00	18:00	0	1
30	18:00	19:00	0	1
31	19:00	20:00	0	1
32	20:00	21:00	0	1
33	21:00	22:00	0	1
34	22:00	23:00	0	1
35	23:00	00:00	0	1
36	00:00	01:00	0	1
37	01:00	02:00	0	1
38	02:00	03:00	0	1
39	03:00	04:00	0	1
40	04:00	05:00	0	1
41	05:00	06:00	0	1
42		TOTAL	10	14

8.1.7 Example: ALOCAT by the DAM

	A	B	C	D	E	F	G
1	ALOCAT	DTM (date)	15.08.2013	15.08.2013	15.08.2013	15.08.2013	15.08.2013
2							
3		NAD (internal shipper)	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]
4		LOC (location)	[EIC-Code Aggregationspunkt SB]	[EIC-Code Aggregationspunkt TB]	[EIC-Code Speicherpool]	[EIC-Code Speicherpool]	[EIC-Code Grenzkoppelpunkt VG]
5							
6		RFF (reference)					
7		QTY (direction)	Z03	Z03	Z02	Z03	Z02
8		Version	1	1	1	1	1
9							
10		Comments					
11							
12							
13							
14							
15	checksum	kWh	3600	240	120	120	2400
16							
17	FROM	TO	kWh	kWh	kWh	kWh	kWh
18	06:00	07:00	100	10	10	0	100
19	07:00	08:00	100	10	10	0	100
20	08:00	09:00	100	10	10	0	100
21	09:00	10:00	100	10	10	0	100
22	10:00	11:00	100	10	10	0	100
23	11:00	12:00	100	10	10	0	100
24	12:00	13:00	100	10	10	0	100
25	13:00	14:00	100	10	10	0	100
26	14:00	15:00	100	10	10	0	100
27	15:00	16:00	100	10	10	0	100
28	16:00	17:00	200	10	10	0	100
29	17:00	18:00	100	10	10	0	100
30	18:00	19:00	200	10	0	10	100
31	19:00	20:00	0	10	0	10	100
32	20:00	21:00	300	10	0	10	100
33	21:00	22:00	200	10	0	10	100
34	22:00	23:00	200	10	0	10	100
35	23:00	00:00	200	10	0	10	100
36	00:00	01:00	200	10	0	10	100
37	01:00	02:00	200	10	0	10	100
38	02:00	03:00	200	10	0	10	100
39	03:00	04:00	200	10	0	10	100
40	04:00	05:00	200	10	0	10	100
41	05:00	06:00	200	10	0	10	100
42		TOTAL	3600	240	120	120	2400

8.1.8 Example: IMBNOT (carry-forward notice)

	A	B	C
1	IMBNOT_CF	DTM (date)	15.08.2013
2	STS (reconciliation status)		
3	NAD (internal shipper)		[EIC-Code BG]
4	LOC (location)		[EIC-Code MG Ost]
5			
6	RFF (reference)		
7	QTY (direction)		ZPE
8	Version		1
9			
10	Comments		
11			
12			
13			
14			
15	checksum	kWh	500
16			
17	FROM	TO	kWh
18	06:00	07:00	500
19	07:00	08:00	0
20	08:00	09:00	0
21	09:00	10:00	0
22	10:00	11:00	0
23	11:00	12:00	0
24	12:00	13:00	0
25	13:00	14:00	0
26	14:00	15:00	0
27	15:00	16:00	0
28	16:00	17:00	0
29	17:00	18:00	0
30	18:00	19:00	0
31	19:00	20:00	0
32	20:00	21:00	0
33	21:00	22:00	0
34	22:00	23:00	0
35	23:00	00:00	0
36	00:00	01:00	0
37	01:00	02:00	0
38	02:00	03:00	0
39	03:00	04:00	0
40	04:00	05:00	0
41	05:00	06:00	0
42		TOTAL	500

8.1.9 Example: IMBNOT (imbalance notice)

	A	B	C	D	E	F
1	IMBNOT_IN	DTM (date)	15.08.2013	15.08.2013	15.08.2013	15.08.2013
2		STS (reconciliation status)				
3		NAD (internal shipper)	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]	[EIC-Code BG]
4		LOC (location)	[EIC-Code MG Ost]	[EIC-Code MG Ost]	[EIC-Code MG Ost]	[EIC-Code MG Ost]
5						
6		RFF (reference)	IMBALANCE_LONG	IMBALANCE_SHORT	ENTRY	EXIT
7		QTY (direction)	ZPE	ZPD	ZPE	ZPD
8		Version	1	1	1	1
9						
10		Comments				
11						
12						
13						
14						
15	checksum	kWh	2000	1000	2700	1700
16						
17	FROM	TO	kWh	kWh	kWh	kWh
18	06:00	07:00	1000	0	1500	500
19	07:00	08:00	1000	0	1200	200
20	08:00	09:00	0	1000	0	1000
21	09:00	10:00	0	0	0	0
22	10:00	11:00	0	0	0	0
23	11:00	12:00	0	0	0	0
24	12:00	13:00	0	0	0	0
25	13:00	14:00	0	0	0	0
26	14:00	15:00	0	0	0	0
27	15:00	16:00	0	0	0	0
28	16:00	17:00	0	0	0	0
29	17:00	18:00	0	0	0	0
30	18:00	19:00	0	0	0	0
31	19:00	20:00	0	0	0	0
32	20:00	21:00	0	0	0	0
33	21:00	22:00	0	0	0	0
34	22:00	23:00	0	0	0	0
35	23:00	00:00	0	0	0	0
36	00:00	01:00	0	0	0	0
37	01:00	02:00	0	0	0	0
38	02:00	03:00	0	0	0	0
39	03:00	04:00	0	0	0	0
40	04:00	05:00	0	0	0	0
41	05:00	06:00	0	0	0	0
42		TOTAL	2000	1000	2700	1700

8.1.10 Example: IMBNOT (balance order info)

	A	B	C
1	IMBNOT_OI	DTM (date)	15.08.2013
2	STS (reconciliation status)		04G
3	NAD (internal shipper)		[EIC-Code BG]
4	LOC (location)		[EIC-Code MG-Ost]
5			
6	RFF (reference)		
7	QTY (direction)		ZPD
8	Version		1
9			
10	Comments		
11			
12			
13			
14			
15	checksum	kWh	1500
16			
17	FROM	TO	kWh
18	06:00	07:00	0
19	07:00	08:00	0
20	08:00	09:00	0
21	09:00	10:00	0
22	10:00	11:00	0
23	11:00	12:00	0
24	12:00	13:00	0
25	13:00	14:00	0
26	14:00	15:00	0
27	15:00	16:00	100
28	16:00	17:00	100
29	17:00	18:00	100
30	18:00	19:00	100
31	19:00	20:00	100
32	20:00	21:00	100
33	21:00	22:00	100
34	22:00	23:00	100
35	23:00	00:00	100
36	00:00	01:00	100
37	01:00	02:00	100
38	02:00	03:00	100
39	03:00	04:00	100
40	04:00	05:00	100
41	05:00	06:00	100
42		TOTAL	1500

8.1.11 Example: IMBNOT (balance order notice)

	A	B	C
1	IMBNOT_ON	DTM (date)	15.08.2013
2		STS (reconciliation status)	05G
3		NAD (internal shipper)	[EIC-Code BG]
4		LOC (location)	[EIC-Code MG-Ost]
5			
6		RFF (reference)	
7		QTY (direction)	ZPD
8		Version	1
9			
10		Comments	
11			
12			
13			
14			
15	checksum	kWh	1500
16			
17	FROM	TO	kWh
18	06:00	07:00	0
19	07:00	08:00	0
20	08:00	09:00	0
21	09:00	10:00	0
22	10:00	11:00	0
23	11:00	12:00	0
24	12:00	13:00	0
25	13:00	14:00	0
26	14:00	15:00	0
27	15:00	16:00	100
28	16:00	17:00	100
29	17:00	18:00	100
30	18:00	19:00	100
31	19:00	20:00	100
32	20:00	21:00	100
33	21:00	22:00	100
34	22:00	23:00	100
35	23:00	00:00	100
36	00:00	01:00	100
37	01:00	02:00	100
38	02:00	03:00	100
39	03:00	04:00	100
40	04:00	05:00	100
41	05:00	06:00	100
42		TOTAL	1500

8.2 List of abbreviations

ABBREVIATION	DESCRIPTION
AS/2	Applicability Statement 2
BG	balance group
BRP	balance responsible party
BSA	balancing sub-account
CBP	common business practice
CE(S)T	central European (summer) time
CSA	clearing and settlement agent
DA	distribution area
DAM	distribution area manager
DSO	distribution system operator
EASEE-gas	European Association for the Streamlining of Energy Exchange (Gas)
EDIG@S	electronic data interchange (gas)
EIC	energy identification code
GTC	general terms and conditions
GTC-CSA	general terms and conditions of the clearing and settlement agent
KISS-A	Keep It Short and Simple (Austria)
LPM	load profile meter
MA	market area
MAM	market area manager
MIG	message implementation guideline
OBA	operational balancing agreement
OTC	over-the-counter
PSO	production system operator
S/MIME	secure/multipurpose internet mail extensions
sFTP	secure file transfer protocol
SLP	standardised load profile
SMTP	simple mail transfer protocol
SO	system operator (includes, inter alia, TSO, SSO, PSO)
SSO	storage system operator
TSO	transmission system operator
VTP	virtual trading point
VTP-O	operator of the virtual trading point