

Edig@s 6.1 XML guideline to Schematron mapping V0.3

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1 Edigas coverage

This version of the validation service covers the NOMINT, NOMRES, DELORD, DELRES, METRED, INVENT, LIMITS, STOREQ and STOCON documents of Edig@s 6.1.

- NOMINT, NOMRES, DELORD, DELRES are mature and have been tested by an Edig@s expert.
- INVENT and LIMITS have been tested and the feedback of the tester has been implemented for further confirmation.
- METRED, STOREQ and STOCAN are only provided and implement the XSD and guidelines, but have not yet been validated by the expert.

1.1 Edigas version

There are several versions of Edig@s in use. The service covers the most recent version of Edig@s, which is version 6.1.

1.2 Service Areas

Edig@s 6.1 is organized in seven services, commonly called process areas which are given a process area code, e.g. A16:

1. A14 Edigas 6.1 Capacity Allocation
2. A15 Edigas 6.1 Gas Trading
3. A16 Edigas 6.1 Nomination & Matching
4. A17 Edigas 6.1 Balancing & Settlement
5. A18 Edigas 6.1 Remit & Transparency
6. A19 Edigas 6.1 General Process
7. A20 Edigas 6.1 System Operation

The service will initially cover process area A16 Edigas 6.1 Nomination & Matching and parts of A17 Balancing & Settlement and A20 Edigas 6.1 System Operation.

1.3 XML schema validation

For each document, the validation service provides two types of validation. EASEE-gas provides XML schemas for all Edig@s documents. For each document there is a main document and an imported library. The XML schemas provide basic structure and content data validation and are useful for code generation.

All XML schemas (XSD) are based on the following release content:

Edig@s complete package of 22-12-2025. Available from: <https://edigas.org/edigas/downloads/>.

1.4 Schematron validation

XML schemas do not capture all the constraints on Edig@s documents. To complement the schemas, Edig@s provides extensive additional documentation.

For example, the NOMINT XML schema supports four variants of this document. The Edig@s documentation uses tables like the following to further document these variants and structural and content rules for each of them. For example, the fourth row “documentCode” can have four values 01G, 02G, 03G or 04G for four variants Connection Point, VTP OTC, VTP exchange or Non matching nomination.

For convenience, the validation service using an identification convention for validation rules that reflects the row by number (e.g. 9) and columns or other horizontal subdivisions by letter (A, B, C D). Rules can express that dependencies such as the one from row 9, column A on row 4, column A, that “If the document code is 01G (Nomination) the issuer must be a ZSH (Balance responsible party)”.

Nomination document	Connection Point	VTP OTC	VTP exchange	Non matching nomination
identification	Mandatory.			
version	Mandatory.			
documentCode	01G = Nomination.	02G = VTP OTC nomination.	03G = VTP exchange nomination.	04G = Non matching nomination.
creationDateTime	Mandatory.			
validityPeriod	Mandatory.			
applicationContext	May be used. Deprecated attribute which will be removed in the next version of Edig@s.			
issuer_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).			
issuer_MarketParticipant.marketRole.roleCode	ZSH = Balance Responsible Party.	ZSH = Balance Responsible Party.	ZUM = Clearing Responsible	ZSH = Balance Responsible Party.
recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).			
recipient_MarketParticipant.marketRole.roleCode	ZSO = System Operator.	ZUK = Area Coordinator.	ZUK = Area Coordinator.	ZSO = System Operator.
Internal_Account.internalAccount	Mandatory; codingScheme = 305 (EIC Account Y code) or ZSO.			
Internal_Account.internalAccountTso	Used if the account identification is ambiguous; codingScheme = 305 (EIC Party X code).			
connectionPoint.identification	Mandatory; codingScheme = 305 (EIC Measurement Point Z or Y code) or ZSO.			
ConnectionPoint.measureUnit.unitOfMeasureCode	KW1 = Kilowatt-hour per hour (kWh/h). KW2 = Kilowatt-hour per day (kWh/d).			
NominationType.nominationCode	A01 = Single sided. A02 = Double sided.	A02 = Double sided.	Not used.	Not used.
External_Account.externalAccount	Mandatory codingScheme = 305 (EIC Account Ycode) or ZSO.	Mandatory; codingScheme = 305 (EIC Account Y code) or ZSO.	Mandatory; codingScheme = 305 (EIC Account Y code) or ZSO.	Not used.

Schematron (an ISO standard) is very well suited for expressing these constraints. Rules define a set of assertions that apply in a particular context and can make assertions that need to be true for the document. Assertions can use XPath expressions to locate content anywhere in the document and use it for comparison. When an assertion fails, the validation report includes a user-definable message that is much more readable than Edig@s XML schema error messages.

1.5 XSLT for run-time validation

For run-time use in applications, a Schematron rule set can be compiled automatically to XSLT stylesheet. The stylesheet, when applied to an XML file, generates a validation report. The validation service uses these compiled stylesheets.

2 Introduction

This document describes the Edig@s 6.1 document validation service as deployed in April 2026.

3 A16 Edigas 6.1 Nomination & Matching

3.1 Overview

Process area code A16 relates to the document types in Edig@s 6.1 for the Nomination & Matching processes. The following four documents are covered:

- NOMINT Nomination Document
- NOMRES Nomination Responseudocument
- DELORD Deliveryorder Document
- DELRES Deliveryresponse Document

The following subsections provide an overview of implemented rules for these four documents.

3.2 NOMINT Nomination Document

Rule ID	Constraints
001A	Root element must be Nomination_Document
001B	Root element namespace must be urn:easee-gas.eu:edigas:BrpNominationAndMatching:NominationDocument:6:1
003	The version sub-element is mandatory on NOMINT
004	The document code of a nomination must be one of 01G, 02G, 03G or 04G
008A	The coding scheme for issuer market participant must be 305
008B	The code for issuer market participant must be an EIC Party X code
009A	If the document code is 01G (Nomination) the issuer must be a ZSH (Balance responsible party)
009B	If the document code is 02G (VTP OTC Nomination) the issuer must be a ZSH (Balance responsible party)

Rule ID	Constraints
009C	If the document code is 03G (VTP exchange nomination) the issuer must be a ZUM (Clearing Responsible)
009D	If the document code is 04G (Non matching nomination) the issuer must be a ZSH (Balance responsible party)
010A	The coding scheme for recipient market participant must be 305
010B	The code for recipient market participant must be an EIC Party X code
011A	If the document code is 01G (Nomination) the recipient must be a ZSO (System Operator)
011B	If the document code is 02G (VTP OTC Nomination) the recipient must be a ZUK (Area Coordinator)
011C	If the document code is 03G (VTP exchange nomination) the recipient must be a ZUK (Area Coordinator)
011D	If the document code is 04G (Non matching nomination) the recipient must be a ZSO (System Operator)
012A	The coding scheme for internal account must be 305 or ZSO
012B	If the code scheme for internal account is 305, the code must be an EIC Account Y code
013A	The coding scheme for internal account TSO must be 305
013B	The code for internal account TSO must be an EIC Party X code
014A	The coding scheme for Connection Point identification must be 305 or ZSO
014B	If coding scheme for Connection Point identification is 305 the code must be EIC Measurement Point Z or Y code
015	The coding scheme for units of measure for connection points must be KW1 (Kilowatt-hour per hour (kWh/h)) or KW2 (Kilowatt-hour per day (kWh/d))
016A	If the document code is 01G, the nomination type code must A01 (Single sided) or A02 (Double sided)
016B	If the document code is 02G, the nomination type code must A02 (Double sided)
016C	If the document code is 03G, the nomination type code must not be used
016D	If the document code is 04G, the nomination type code must not be used

Rule ID	Constraints
017A	If the document type code is 04G (Non matching nomination), the External_Account is not used
017B	The coding scheme for external account must be 305 or ZSO
017C	If the coding scheme for external account is 305, the code must be an EIC Account Y code
018A	If the document type code is 04G (Non matching nomination) the external account TSO is not used
018B	The coding scheme for external account TSO must be 305
018C	The code for external account TSO must be an EIC Party X code
020	In a Period in a ConnectionPoint, the gas direction code must of Z02 or Z03
022A	In a Period in a ConnectionPoint, priority status code may only be used if the document type code is 01G

3.3 NOMRES Nomination Response Document

Rule ID	Constraints
001A	Root element must be NominationResponse_Document
001B	Root element namespace must be urn:easee-gas.eu:edigas:BrpNominationAndMatching:NominationResponseDocument:6:1
003	The subelement version is mandatory on NOMRES
005A	The document code of a nomination response must be one of 08G or AND
005B	If the nomination document code is 01G, the document code of a nomination response must be AND or 08G
005C	If the nomination document code is one of 02G, 03G or 04G, the document code of a nomination response must be 08G
007A	The coding scheme for issuer market participant must be 305
007B	The code for issuer market participant must be an EIC Party X code
008A	If the document code is 08G (Confirmation notice) and the nomination document code is 01G (Nomination), the issuer role code of the NOMRES must be ZSO (System

Rule ID	Constraints
	Operator)
008B	If the document code is AND (Interruption notice), the issuer role code of the NOMRES must be ZSO (System Operator)
008C	If the document code is 08G (Confirmation notice) and the nomination document code is 02G (VTP OTC nomination), the issuer role code of the NOMRES must be ZUK (Area Coordinator)
008D	If the document code is 08G (Confirmation notice) and the nomination document code is 03G (VTP exchange nomination), the issuer role code of the NOMRES must be ZUK (Area Coordinator)
008E	If the document code is 08G (Confirmation notice) and the nomination document code is 04G (Non matching nomination) the issuer role code of the NOMRES must be ZSO (System Operator)
009A	The coding scheme for recipient market participant must be 305
009B	The code for recipient market participant must be an EIC Party X code
010A	If the document code is AND (Interruption notice) the recipient role code of the NOMRES must be ZSH (Balance Responsible Party)
010B	If the document code is 08G (Confirmation notice) and the nomination document code is 01G (Nomination), the recipient role code of the NOMRES must be ZSH (Balance Responsible Party)
010C	If the document code is 08G (Confirmation notice) and the nomination document code is 02G (VTP OTC nomination), the recipient role code of the NOMRES must be ZSH (Balancing Responsible Party)
010D	If the document code is 08G (Confirmation notice) and the nomination document code is 03G (VTP exchange nomination), the recipient role code of the NOMRES must be ZUM (Clearing Responsible Party)
010E	If the document code is 08G (Confirmation notice) and the nomination document code is 04G (Non matching nomination), the recipient role code of the NOMRES must be ZSH (Balance Responsible Party)
013	If the nomination_Document.identification has the text "MISSING" the version shall always have the value 1
014A	The nomination document code must be one of 01G (Nomination), 02G (VTP OTC

Rule ID	Constraints
	nomination), 03G (VTP exchange nomination) or 04G (Non matching nomination)
014B	If the document code is AND (Interruption notice) the nomination document code must be 01G (Nomination)
015A	Nomination document single sided BRP source market participant can only be specified when the document code is AND (Interruption notice) or when it is 08G (Confirmation notice) and the nomination document code is 01G (Nomination)
015C	The code for nomination document single sided BRP source market participant must be an EIC Party X code
015D	Nomination_document.singleSidedBrpSource_MarketParticipant.identification may only be specified when Nomination Type code is A01 (Single-sided)
016A	The coding scheme for internal account must be 305 or ZSO
016B	If the code scheme for internal account is 305, the code must be an EIC Account Y code
017A	The coding scheme for internal account TSO must be 305
017B	The code for internal account TSO must be an EIC Party X code
018A	The coding scheme for Connection Point identification must be 305 or ZSO
018B	If the coding scheme for Connection Point identification is 305, the code must be an EIC Measurement Point Z or Y code
019	The coding scheme for units of measure for connection points must be KW1 (Kilowatt-hour per hour (kWh/h)) or KW2 (Kilowatt-hour per day (kWh/d))
020A	If the document code is AND (Interruption Notice), NominationType is mandatory
020B	If the document code is 08G (Confirmation Notice) and the nomination document code is 01G (Nomination), NominationType is mandatory
020C	If the document code is 08G (Confirmation Notice) and the nomination document code is 02G (VTP OPTC Nomination), NominationType is mandatory
020D	If the document code is 08G (Confirmation Notice) and the nomination document code is 03G (VTP exchange Nomination), NominationType must not be used
020E	If the document code is 08G (Confirmation Notice) and the nomination document code is 04G (Non matching nomination), NominationType must not be used
020F	If the document code is AND (Interruption Notice), the nomination type code must A01

Rule ID	Constraints
	(Single sided) or A02 (Double sided)
020G	If the document code is 08G (Confirmation Notice) and the nomination document code is 01G (Nomination), the nomination type code must A01 (Single sided) or A02 (Double sided)
020H	If the document code is 08G and the nomination document 02G, the nomination type code must A02 (Double sided)
021A	If the nomination document code is 01G, External_Account is required
021B	If the nomination document code is 02G, External_Account is required
021C	If the nomination document code is 03G, External_Account is required
021D	If the nomination document code is 04G, External_Account must not be used
021E	The coding scheme for external account must be 305 or ZSO
021F	If the coding scheme for external account is 305, the code must be an EIC Account Y code
022A	If the document type code is 04G (Non matching nomination) the external account TSO is not used
022B	The coding scheme for external account TSO must be 305
022C	The code for external account TSO must be an EIC Party X code
023A	If document code is 08G (Confirmation notice) and the nomination document type code is 01G (Nomination), four timeseries are required: 14G (Processed by SO), 15G (Processed by adjacent System Operator), 16G (Confirmed) and 18G (Counterpart nomination)
023B	If the document code is AND (Interruption notice), one and only one timeseries is required: 14G (Processed by SO)
023C	If the document code is 08G (Confirmation notice) and the nomination document type code is 02G (VTP OTC nomination), two timeseries are required: 16G (Confirmed) and 18G (Counterpart nomination)
023D	If the document code is 08G (Confirmation notice) and the nomination document type code is 03G (VTP exchange nomination), one and only one timeseries is required: 16G (Confirmed)

Rule ID	Constraints
023E	If the document code is 08G (Confirmation notice) and the nomination document type code is 04G (Non matching nomination), one and only one timeseries is required: 16G (Confirmed)
025	In a Period in a ConnectionPoint, the gas direction code must of Z02 or Z03
027	In statusCode in Status in Period, use values from code list
029	Decomposition quantity can only be specified if the nomination document code is 01G (Connection point nomination)
030	Quantity code must be one of ZXD (Firm), ZXE (Makeup), ZXF (Interruptible) or ZXG (Conditional)
MG-001	With hourly nominations (KW1), for interval ... found one entry period with volume ... and an exit period with volume ... use net value instead

3.4 DELORD Delivery Order Document

Rule ID	Constraints
001	Root element must be DeliveryOrder_Document
002	Root element namespace must be urn:easee-gas.eu:edigas:SoNominationAndMatching:DeliveryOrderDocument:6:1
003A	The subelement version is mandatory on DELORD
003B	In a DELORD of type ANC, the version must be 1
004	The document code of a delivery order must be 26G or ANC
006A	In a DELORD of type ANC, if in European Summer Time, the validity period must start at 04:00 hours (beginning of gas day)
006B	In a DELORD of type ANC, if not in European Summer Time, the validity period must start at 05:00 hours (beginning of gas day)
006C	In a DELORD of type ANC, the validity period must start at 04:00 or 05:00 hours depending on day of the year
006D	In a DELORD of type ANC, if in European Summer Time, the validity period end must be

Rule ID	Constraints
	at be 04:00 hours (start of gas day)
006E	In a DELORD of type ANC, if not in European Summer Time the validity period end must start 05:00 hours (beginning of gas day)
006F	In a DELORD of type ANC, the validity period must end at 04:00 or 05:00 hours depending on day of the year
006G	In a DELORD of type ANC, the validity period must be 1 day
008A	The coding scheme for issuer market participant must be 305
008B	The code for issuer market participant must be an EIC Party X code
009	The issuer must be a ZSO (System Operator)
010A	The coding scheme for recipient market participant must be 305
010B	The code for recipient market participant must be an EIC Party X code
011	The recipient must be a ZSO (System Operator)
012A	If the document code is 26G, singleSidedSource_Document.identification is not used
013A	If the document code is 26G, singleSidedSource_Document.version element is not used
014A	If the document code is 26G, singleSidedSource_Document.documentCode is not used
015A	If the document code is 26G, singleSidedSource_Document.brpOriginator_MarketParticipant.identification is not used
012B	If the document code is ANC, singleSidedSource_Document.identification is mandatory
013B	If the document code is ANC, singleSidedSource_Document.version element is mandatory
014B	If the document code is ANC, singleSidedSource_Document.documentCode is mandatory
014C-MG-01	If the document code is ANC, singleSidedSource_Document.documentCode has to be 01G (Nomination)
015B	If the document code is ANC, singleSidedSource_Document.brpOriginator_MarketParticipant.identification is mandatory

Rule ID	Constraints
015C	The identification coding scheme for brpOriginator_MarketParticipant must be 305
015D	The identification coding for brpOriginator_MarketParticipant must be an EIC Party X code
MG-02	If the document code is ANC, there must not be more than one Internal_Account
016A	The coding scheme for Connection Point identification must be 305 or ZSO
016B	If the coding scheme for Connection Point identification is 305, the code must be an EIC Measurement Point Z or Y code
017	The coding scheme for units of measure for connection points must be KW1 (Kilowatt-hour per hour (kWh/h)) or KW2 (Kilowatt-hour per day (kWh/d))
018A	The coding scheme for internal account must be 305 or ZSO
018B	If the code scheme for internal account is 305, the code must be an EIC Account Y code
019A	The coding scheme for internal account TSO must be 305
019B	The code for internal account TSO must be an EIC Party X code
020A	The coding scheme for external account must be 305 or ZSO
020B	If the coding scheme for external account is 305, the code must be an EIC Account Y code
021A	The coding scheme for external account TSO must be 305
021B	The code for external account TSO must be an EIC Party X code
022A	In a DELORD there must be one or two time series
022B	In a DELORD of type callup notice (26G), there must be two time series
022C	In a DELORD of type callup notice (26G), there must be one 12G time series: Accepted by System Operator
022D	In a DELORD of type callup notice (26G), there must be one 14G time series: Processed by System Operator
022E	In a DELORD of type single-side nomination (ANC), there must be one time series
022F	In a DELORD of type single-side nomination (ANC), there must be one 12G time series: Accepted by System Operator
022G	The business code of a time series must be 12G or 14G

Rule ID	Constraints
022H	In a DELORD of type callup notice (26G), time stamp date time is not used
023	In a Period, the gas direction code must of Z02 or Z03
MG-03	With hourly nominations (KW1), for interval \$interval, found one entry period with volume ... and an exit period with volume ..., use net value instead
MG-04	There is no Period that starts with the validity start ..
MG-05	There is no Period that ends with the validity end time ..
MG-06	If a period has a start date-time .. that is different from the validity start date-time .., then if the value is in the validity interval .. there must be a preceding Period
MG-07	If a Period has an end date-time .. that is different from the validity end date-time .., then if the value is in the validity interval .. there must be a following Period
MG-08	For a direction \$gd and start date-time \$start_period, there can only be one Period
MG-09	A Period cannot have a start .. that is the same as the validity end time ..

3.5 DELRES Delivery Response Document

Rule ID	Constraints
001A	Root element must be DeliveryResponse_Document
001B	Root element namespace must be urn:easee-gas.eu:edigas:SoNominationAndMatching:DeliveryResponseDocument:6:1
002	The subelement identification is mandatory on DELRES
003	The subelement version is mandatory on DELRES
004	The document code of a delivery response must be 27G
008A	The coding scheme for issuer market participant must be 305
008B	The code for issuer market participant must be an EIC Party X code
009	The issuer must be a ZSO (System Operator)
010A	The coding scheme for recipient market participant must be 305
010B	The code for recipient market participant must be an EIC Party X code
011	The recipient must be a ZSO (System Operator)

Rule ID	Constraints
012A	The delivery order document identification must be provided
012B	The delivery order document version must be provided
012C	If the delivery order document identification is the value 'MISSING', the document version must be 1
014A	The coding scheme for Connection Point identification must be 305 or ZSO
014B	If the coding scheme for Connection Point identification is 305, the code must be an EIC Measurement Point Z or Y code
015	The coding scheme for units of measure for connection points must be KW1 (Kilowatt-hour per hour (kWh/h)) or KW2 (Kilowatt-hour per day (kWh/d))
016A	The coding scheme for internal account must be 305 or ZSO
016B	If the code scheme for internal account is 305, the code must be an EIC Account Y code
017A	The coding scheme for internal account TSO must be 305
017B	The code for internal account TSO must be an EIC Party X code
018A	The coding scheme for external account must be 305 or ZSO
018B	If the coding scheme for external account is 305, the code must be an EIC Account Y code
019A	The coding scheme for external account TSO must be 305
019B	The code for external account TSO must be an EIC Party X code
020A	In a DELRES there must be three time series
020B	In a DELRES there must be one 12G time series: Accepted by System Operator
020C	In a DELRES there must be one 14G time series: Processed by System Operator
020D	In a DELRES there must be one 16G time series: Confirmed
020E	The business code of a time series must be 12G, 14G or 16G
023	In a Period, the gas direction code must of Z02 or Z03
025	In a Period in a ConnectionPoint, priority status code must be one of 06G 07G 08G 09G

Rule ID	Constraints
	10G 35G 36G 56G
MG-03	With hourly nominations (KW1), for interval .., found one entry period with volume .. and an exit period with volume .. use net value instead
MG-04	There is no Period that starts with the validity start date-time ..
MG-05	There is no Period that ends with the validity end date-time ..
MG-06	If a period has a start date-time .. that is different from the validity start date-time .., then if the value is in the validity interval .. there must be a preceding Period
MG-07	If a Period has an end date-time .. that is different from the validity end date-time .., then if the value is in the validity interval .. there must be a following Period
MG-08	For a direction .. and start date-time .. , there can only be one Period
MG-09	A Period cannot have a start date-time .. that is the same as the validity end date-time ..

4 A17 Balancing & Settlement

4.1 Overview

Process area code A17 relates to the document types in Edig@s 6.1 for the Balancing & Matching processes. The following document is covered:

- METRED

The following subsections provide an overview of implemented rules for this document.

4.2 METRED (Measurement Information)Overview

Rule ID	Constraints
01	The root element of a METRED document must be MeterReading_Document

Rule ID	Constraints
02	The identification element is mandatory
03	The version element is mandatory
04A	The documentCode element is mandatory
04B	The documentCode element must have the value 87G
05	The creationDateTime element is mandatory
06	The validityPeriod element is mandatory
07A	The coding scheme for issuer market participant must be 305
07B	The code for issuer market participant must be an EIC Party X code
08	The marketRole.roleCode of an issuer_MarketParticipant must be one of ZSO (System Operator) or ZUE (Metered Data Responsible)
09A	The coding scheme for recipient market participant must be 305
09B	The code for recipient market participant must be an EIC Party X code
10	The marketRole.roleCode of a recipient_MarketParticipant must be one of ZAA (Allocation Responsible), ZSH (Balance Responsible Party), ZSO (System Operator) or UD (Final Customer)
11A	The coding scheme for Connection Point identification must be 305 or ZSO
11B	If the coding scheme for Connection Point identification is 305, the code must be an EIC Measurement Point Z or Y code
12A	The coding scheme for Meter identification must be 305 or ZSO
12B	If the coding scheme for Meter identification is 305, the code must be an EIC Measurement Point Z or Y code
13A	In MeasureType_Composition, include either a chemicalCompoundCode or a physicalPropertyCode but not both
13B	For chemicalCompoundCode use one of the values ZGL ZN ZNV ZO ZQD ZQE ZQF ZQG ZQH ZQI ZQO ZQK ZQP ZQQ ZQN ZS ZQR ZQS DN DN1 ZGK ZQA ZQB ZWI ZQT ZQU ZQV ZRA ZRB ZRC ZRD ZRE ZQW ZQX
13C	For physicalPropertyCode use one of the values TC ZCD ZLA ZLB ZWP ZWO ZWQ ZCA ZCB ZCC ZVC ZVR ZEC ZED ZEE

Rule ID	Constraints
14	For measureUnit.unitOfMeasureCode use one of the values BAR CEL GP JM KC1 KMQ KW1 KW2 KW3 KWH MOL MPA MQ5 MQ6 MQ7 MQH MTQ P1 A06 A07 A13 A14 KW4 A09
15	The timeInterval element is mandatory
16	The quantity.amount element is mandatory
17	For gasDirectionCode use one of the values Z02 Z03
18A	The status.statusCode element is mandatory
18B	For status.statusCode use one of the values 03G 04G 05G 58G 59G 60G

5 A20 Edigas 6.1 System Operation

5.1 Overview

Process area code A20 relates to the document types in Edig@s 6.1 for the System Operation processes. The following four documents are covered:

- INVENT
- LIMITS
- STOREQ
- STOCON

The following subsections provide an overview of implemented rules for these two documents.

5.2 INVENT Inventory Position Document

Rule ID	Constraints
02	The identification element is mandatory
03	The version element is mandatory
04A	The documentCode element is mandatory
04B	The documentCode element must have the value ALV
05	The creationDateTime element is mandatory
06	The validityPeriod element is mandatory

Rule ID	Constraints
07A	The coding scheme for issuer market participant must be 305
07B	The code for issuer market participant must be an EIC Party X code
08	The INVENT Issuer role code may be ZSO, ZUO, or ZUS
09A	The coding scheme for recipient market participant must be 305
09B	The code for recipient market participant must be an EIC Party X code
10	Recipient market role code must be ZSH
11A	The coding scheme for Connection Point identification must be 305 or ZSO
11B	If the coding scheme for Connection Point identification is 305
12A	The coding scheme for internalAccount must be 305 or ZSO
12B	If the code scheme for internalAccount is 305, the code must be an EIC Account Y code
13	For business codes, use values from the list ZXK Z47 Z48 Z49.
14	In time series, use KWH as unit of measure code
17A	When the time series business code is ZXK, use XPD or ZPE as account direction code
17B	When the time series business code is Z47, use ZPE as account direction code
17C	When the time series business code is Z48, use ZPD as account direction code
17D	When the time series business code is Z49, use ZPD or ZPE as account direction codes
18	For business codes, use values from code list

5.3 LIMITS Limits Document

Rule ID	Constraints
02	The identification element is mandatory
03	The version element is mandatory
04A	The documentCode element is mandatory
04B	The value of documentCode must be ALU

Rule ID	Constraints
05	The creationDateTime element is mandatory
06	The validityPeriod element is mandatory
08A	The coding scheme for issuer market participant must be 305
08B	The code for issuer market participant must be an EIC Party X code
09	The marketRole.roleCode of an issuer_MarketParticipant must be one of ZSO, ZUO or ZUS
10A	The coding scheme for recipient market participant must be 305
10B	The code for recipient market participant must be an EIC Party X code
11	The marketRole.roleCode of a recipient_MarketParticipant must be ZSH
12	The unitOfMeasureCode must be one of KW1, KW2 or KWH
14A	The coding scheme for internalAccount must be 305 or ZSO
14B	If the code scheme for internalAccount is 305, the code must be an EIC Account Y code
16	For business code use Z44 or Z45
22	Availability code must be Z05 or Z06
24	In quantityCode in Quantity, use values from code list
25	For account direction, use values from code list
26	For status, use values from code list,

5.4 STOREQ Storage Action Request Document

Rule ID	Constraints
01	The root element of a STOREQ document must be StorageActionRequest_Document
02	The identification element is mandatory
03	The version element is mandatory
04A	The documentCode element is mandatory
04B	The value of documentCode must be one of ALW, ALX or ALY

Rule ID	Constraints
05	The creationDateTime element is mandatory
06	The validityPeriod element is mandatory
07A	The coding scheme for issuer market participant must be 305
07B	The code for issuer market participant must be an EIC Party X code
08	The marketRole.roleCode of an issuer_MarketParticipant must be ZSH (Balance Responsible Party)
09A	The coding scheme for recipient market participant must be 305
09B	The code for recipient market participant must be an EIC Party X code
10	The marketRole.roleCode of a recipient_MarketParticipant must be one of ZUS (Storage System Operator), ZUO (LNG System Operator) or ZSO (System Operator)
11A	The coding scheme for Connection Point identification must be 305 or ZSO
11B	If the coding scheme for Connection Point identification is 305, the code must be an EIC Measurement Point Z or Y code
12A	The coding scheme for Connection Point From Account identification must be 305 or ZSO
12B	If the coding scheme for Connection Point From Account identification is 305, the code must be a Y code
13	The marketRole.roleCode of a from_Account.accountCode must be one of ZOE (Balance Responsible Party Account) or ZOF (System Operator Account)
14A	The coding scheme for Connection Point To Account identification must be 305 or ZSO
14B	If the coding scheme for Connection Point To Account identification is 305, the code must be a Y code
15	The marketRole.roleCode of a to_Account.accountCode must be one of ZOE (Balance Responsible Party Account) or ZOF (System Operator Account)
18	The transaction code must be one of ZTG ZTH ZTI ZTJ ZTK
19	The unitOfMeasureCode must be one of KW1 KW2 KWH EA

5.5 STOCON Storage Action Confirmation Document

Rule ID	Constraints
01	The root element of a STOCON document must be StorageActionConfirmation_Document
02	The identification element is mandatory
03	The version element is mandatory
04A	The documentCode element is mandatory
04B	The value of documentCode must be ALZ (Storage Action Confirmation Document)
05	The creationDateTime element is mandatory
06	The validityPeriod element is mandatory
07A	The coding scheme for issuer market participant must be 305
07B	The code for issuer market participant must be an EIC Party X code
08	The marketRole.roleCode of an issuer_MarketParticipant must be one of ZUS (Storage System Operator), ZUO (LNG System Operator) or ZSO (System Operator)
09A	The coding scheme for recipient market participant must be 305
09B	The code for recipient market participant must be an EIC Party X code
10	The marketRole.roleCode of a recipient_MarketParticipant must be ZSH (Balance Responsible Party)
11A	The coding scheme for Connection Point identification must be 305 or ZSO
11B	If the coding scheme for Connection Point identification is 305, the code must be an EIC Measurement Point Z or Y code
12A	The coding scheme for Connection Point From Account identification must be 305 or ZSO
12B	If the coding scheme for Connection Point From Account identification is 305, the code must be a Y code
13	The marketRole.roleCode of a from_Account.accountCode must be one of ZOE (Balance Responsible Party Account) or ZOF (System Operator Account)
14A	The coding scheme for Connection Point To Account identification must be 305 or ZSO

Rule ID	Constraints
14B	If the coding scheme for Connection Point To Account identification is 305, the code must be a Y code
15	The marketRole.roleCode of a to_Account.accountCode must be one of ZOE (Balance Responsible Party Account) or ZOF (System Operator Account)
18	The transaction code must be one of ZTG ZTH ZTI ZTJ ZTK
19	The unitOfMeasureCode must be one of KW1 KW2 KWH EA
21	Period.confirmed_Quantity.reason.reasonCode is mandatory in Transaction Period

Change log

Update 04-2026

Support for two new documents:

- A17, Balancing & Settlement, added Measurement Information (METRED)
- A20, System Operation, added Storage Action Request (STOREQ) and Storage Action Confirmation (STOCON).

Corrections:

- In LIMITS, rule R-EDIGAS-A20-LIMITS-21A, had several problems:
 - The rule relates to line 16 in the guidelines, not 21.
 - The implementation wrongly assumed both Z44 and Z45 timelines were required. This is wrong, there can be just one.
 - The rule did not check that values other than Z44 or Z45 are not allowed
 We changed this in a new rule R-EDIGAS-A20-LIMITS-16 with explanation “For business code use Z44 or Z45”.
- In LIMITS, rule R-EDIGAS-A20-LIMITS-14A: the coding scheme for Account is not limited to 305, the value ZSO is also allowed.
- In LIMITS, corrected rule R-EDIGAS-A20-LIMITS-14B to: If the coding scheme is 305, the code must be an EIC Account Y code.
- In INVENT, improved the error message for R-EDIGAS-A20-INVENT-08 to: The INVENT Issuer role code may be ZSO, ZUO, or ZUS.
- In INVENT, improved the error message for R-EDIGAS-A20-INVENT-13 to: For business codes, use values from the list ZXK Z47 Z48 Z49.

