

**The
Energy Identification Coding Scheme
EIC**

EASEE-Gas / Edig@s Local Issuing Office Procedures

Version: 1

Release: 1

REVISION HISTORY

Version	Release	Date	Paragraphs	Comments
1	0	2009-10-06		Initial approved release.
1	1	2009-10-12		Correction of the term TSO to SO in the diagrams

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1 Introduction

The aim of this document is to inform the reader of how the CBPs “Company’s Identifier encoding” and “Connection Point Identifier encoding” are implemented within EASEE-Gas/Edig@s who acts as an EIC Local Issuing Office.

The document is divided into three parts.

The first part of the document describes the general requirements for the administration of EIC codes.

The second part provides a description of the Energy Identification Coding scheme.

A third part contains some auxiliary information on code allocation.

2 General requirements for the administration of EIC

A successful identification scheme requires that the allocated codes are stable over time. This implies that the significance of a code should always remain constant.

The EASEE-Gas/Edig@s EIC Issuing Office shall ensure that:

1. Issued codes shall be globally unique. The basic principal is that only one code is allocated per legal entity.
2. Once a code is allocated to identify an organisation or organisational function or entity, it shall only be changed if the organisation’s status changes. Consequently, if the organisation merely changes its name, its code shall not be modified.
3. Only System Operators, Market Operators, Imbalance Settlement Responsible organisations and regulators are allowed to request new area identifications.

To carry out this mission EASEE-Gas/Edig@s shall ensure:

1. The correct allocation of codes;
2. The management of the code lists (inquiry, inactivation and modification);
3. Information on the significance of codes;
4. Contact details about the designated organisations;
5. Communication parameters (e-mail, http, network address, etc.).

3 Energy Identification Coding scheme - EIC

3.1 Introduction

ENTSO-E, has defined the coding system and the administrative organization to manage and maintain it.

The code is under the responsibility of ENTSO-E. However, the overall assignment and management of the codes will be carried out by ENTSO-E authorised organisations. EASEE-Gas/Edig@s is such an authorised organisation and had been authorised to assign codes to their members and to other bodies or entities on a previously agreed basis.

The most important use of EIC is for party coding. Party identification shall enable an international party to use the same EIC code in all markets for his wholesale activities.

3.2 Administrative Organization

The administrative organization is composed of a two level structure:

3.2.1 Level 1: Central Issuing Office

The Central Issuing Office is under the direct responsibility of ENTSO-E. The Central Issuing Office is responsible for providing the 2-character EIC code that identifies a Local Issuing Office. In the case of EASEE-Gas the issuing office code that has been assigned is “21”.

ENTSO-E maintains a list of all Local Issuing Offices.

The Central Issuing Office publishes on a weekly basis in its website the allocated international EIC codes as received from the Local Issuing Offices.

The Central Issuing Office ensures that:

- The “EIC code” is unique within the central Registry;
- The “display name” is unique within the central Registry for each category of code;
- The “display name” respects the naming rules and only uses the permitted characters;
- The “last request date” is modified with each EIC code evolution;
- The “business function” is present;
- All mandatory fields are present;
- “EIC parent” or “responsible party” codes, if assigned, exist in the central Registry. If one of these codes is made inactive, it shall ensure that all “EIC parent” or “Responsible party” codes are replaced accordingly.

3.2.2 Level 2: EASEE-Gas/Edig@s Local Issuing Office

The EASEE-Gas/Edig@s acts as an agent of the Central Issuing Office. EASEE-Gas/Edig@s has been authorised by ENTSO-E to supply EIC codes to any

recognised energy organisation providing that they respect the minimum requirements defined by ENTSO-E.

EASEE-Gas/Edig@s is responsible for the allocation and maintenance of the codes it issues and it shall maintain a list of all issued codes and standard data about the market participant identified by the code in its local Registry.

It must ensure that the allocated codes are stable over time. This implies that the significance of a code should always remain constant,

- For organisations: A code shall be allocated to identify an organisation.
- All allocated codes must respect the rules for establishing EIC codes as defined by ENTSO-E.

EASEE-Gas/Edig@s shall ensure that the codes under its responsibility remain current and respect the rules laid down by ENTSO-E. This means that errors found by the Central Issuing Office or other Local Issuing Offices must be corrected as rapidly as possible.

EASEE-Gas/Edig@s must also ensure to the best of its ability that the parties, to whom it has allocated codes, will inform it of any changes in the registration.

EASEE-Gas/Edig@s shall take all the measures possible to correct any anomaly reported to it and shall ensure that the anomaly is rectified in the shortest possible delay.

The following services are provided by EASEE-Gas/Edig@s:

- A web page provides the necessary services including the download of the list of locally used EIC codes in compliance with the ENTSO-E XML schema.
- The verification in the central Registry that a code has not already been allocated for the party in question. If a code has already been allocated, the requestor of the code shall be informed of the code in question.
- The supply, to a request from an energy partner, of all the standard details concerning a party.
- The provision of information about the unique EAN code for the parties that are active in TSO areas using the EAN coding scheme.
- The management of the code lists:
 - ✓ Inquiry about a code,
 - ✓ Suspension of a code,
 - ✓ Modification of company information concerning a code.
- The supply of all internationally assigned codes to the Central Issuing Office containing the standard participant information and their allocated EIC codes.

- The submission of a deactivation request to the Central Issuing Office in the case where an EIC is no longer to be used.

3.3 The Energy Identification Code - EIC

The Energy Identification Coding scheme is based on fixed length alphanumeric codes. The codes will contain information about the issuing office in addition to information on the object identified.

3.3.1 Permitted characters

Permitted characters are numbers (0 to 9), capital letters (A to Z, English alphabet) and the sign minus (-). To avoid confusion, the check character shall use numbers (0 to 9) or the capital letters (A to Z).

3.3.2 Overall structure

The structure of the EIC may be broken down as follows:

- A 2-character number identifying the issuing office assigned by ENTSO-E.
- One Character identifying the object type that the code represents.
- 12 digits, uppercase characters or minus signs allocated by the issuing office in compliance with general and local rules to identify the object in question (party, measurement point, area, etc.). All codes allocated by EASEE-Gas/Edig@s shall have these 12 characters in the form “00000000nnnn”, where “nnnn” is a sequential number assigned by order of allocation by EASEE-Gas/Edig@s.
- 1 check character based on the 15 previous characters used to ensure the validity of the code.

3.3.3 Object types

Currently five types of object have been identified in the coding scheme:

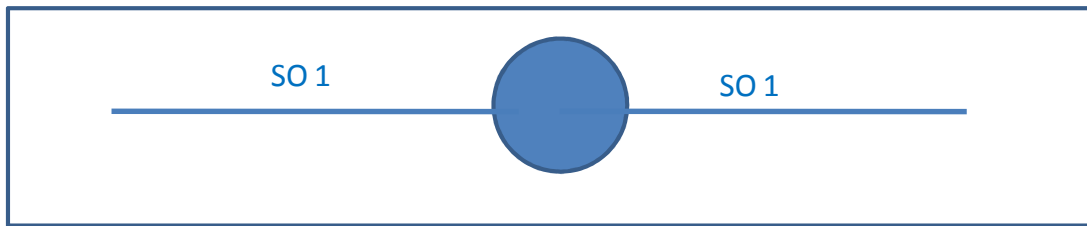
- Party (EIC object type X):

The EIC X code is generally used to identify a Balance Responsible Party in a data interchange. However having an EIC code is not a reason to allow a party to participate in any energy market. To ensure this, the party has necessarily to be registered according to local market rules.

For international trading groups it is recommended to use a single unique EIC code for identifying the party for cross border flows in all countries. If the legal party in the contract is a local subsidiary this party should be seen as an invoice party with its own EIC code with regard to electronic data interchange.

- Area (EIC object type Y):

An area involved for System Operator data interchange concerning exclusively the network that the System Operator manages.

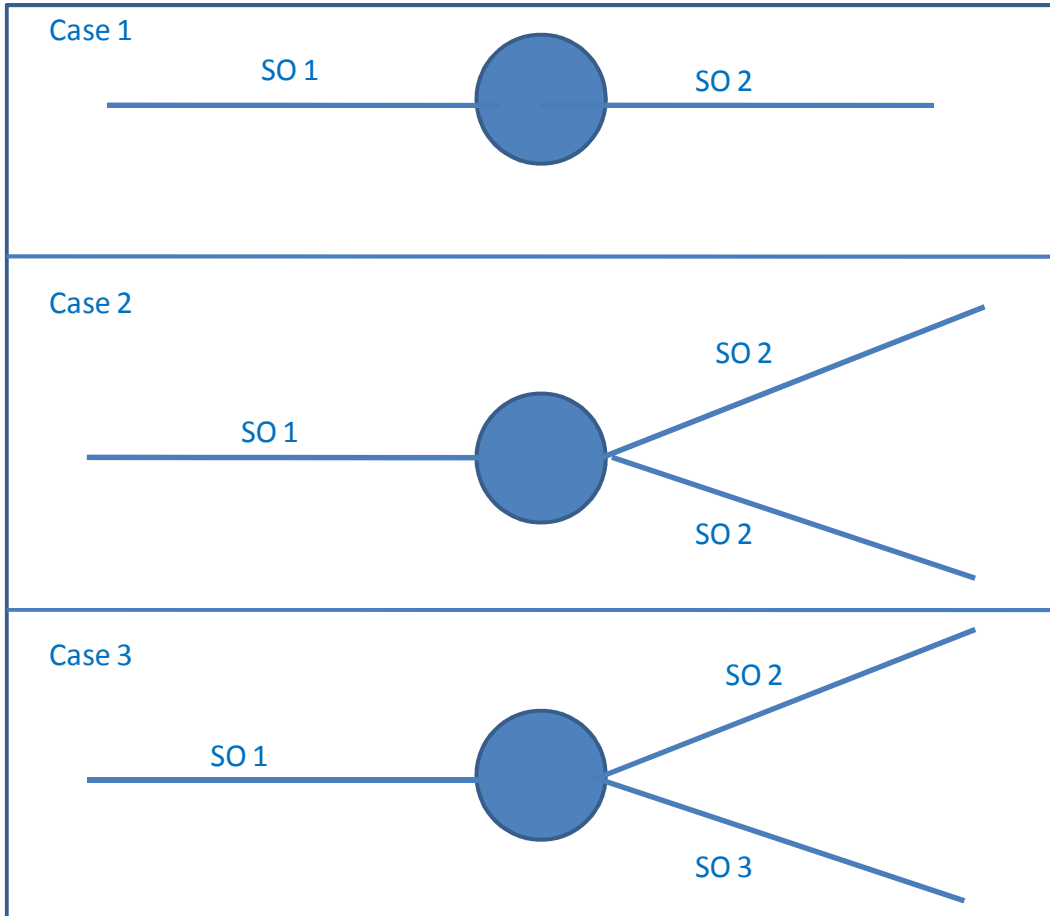


This is used within the gas environment to identify internal connection points within a single System Operator's scope.

- Measurement point (EIC object type Z).

Within the gas sector measurement points are defined as

A physical or logical location that can be used to store, meter or extract a commodity into or out of an area. A Z code covers the following connection point contexts:



- Resource object (EIC object type W):

Different resource objects, such as production units, consumption plants, transformation units, etc. need to be defined within the energy market. Objects such as these will be identified with the W-code.

- Tie-Line (EIC object type T):

The physical lines that connect two Market Balance Areas together need to be identified in order to closely follow interconnection capabilities. These lines will be identified with the T-code. *(Note: this is not recommended for use within the gas context.)*

Other types of EIC code may be added with the agreement of ENTSO-E.

3.4 EIC code validation

The identification code may be simply validated by applying the ENTSO-E Check Character Algorithm.

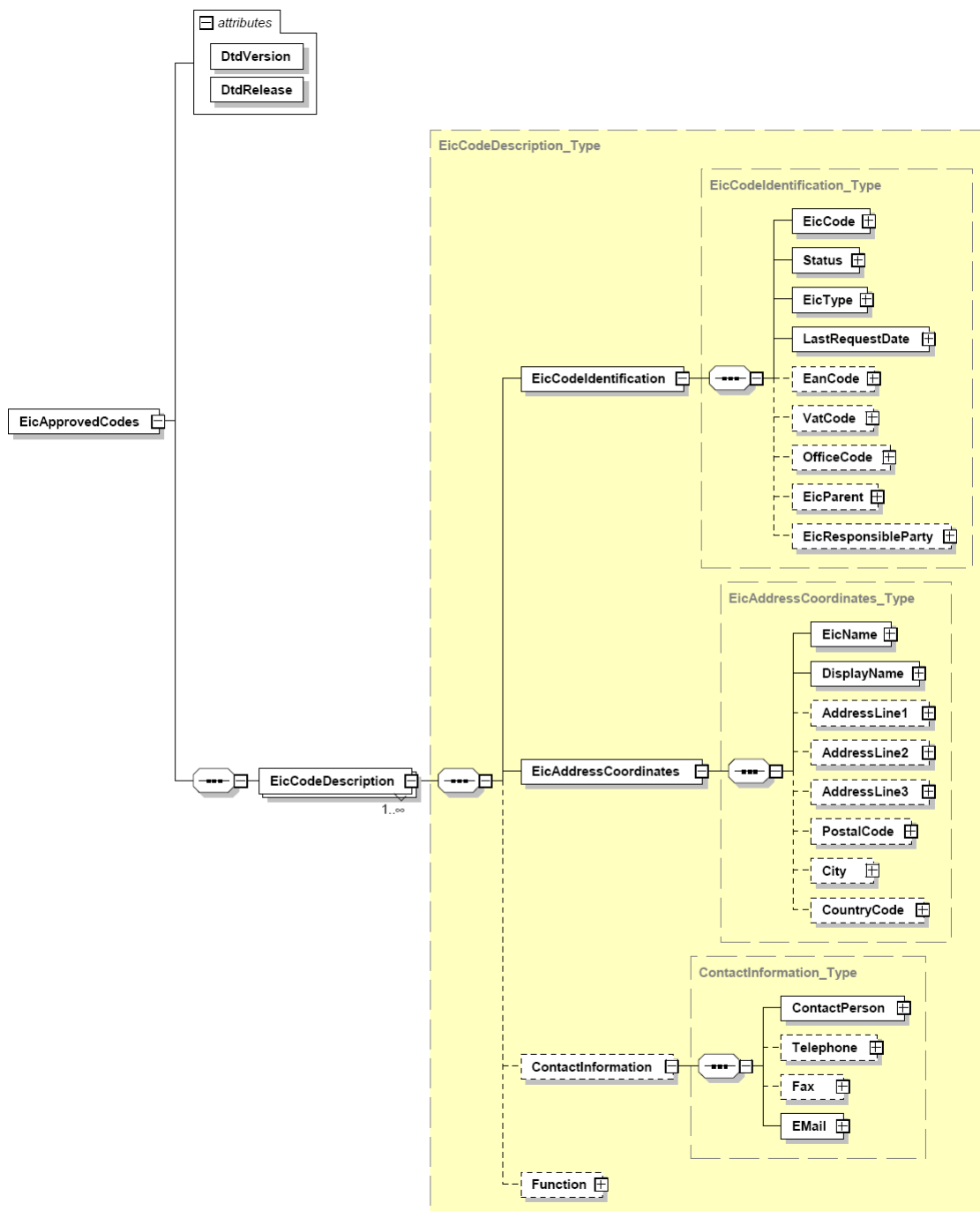
3.5 EIC code information requirements

The following basic information is required in order to enable the allocation of an EIC code:

EIC name	The official name assigned to the EIC code. For a Party code it shall identify the name of the party. For an Area code it shall identify the name of the area, etc.
Display name	A short name to be used for display on screen and verbal communication. Within each category (Party, area, metering point, etc.) the Display name shall be unique.
EIC parent	In case of a subsidiary or a sub-area, the EIC code of the owner.
EAN code	The EAN code used by the party in markets using EAN instead of EIC. This shall only be provided for EIC party codes if such a code is available.
VAT code	This is only provided for Party codes and identifies the European VAT code of the party in question.
Function	The functional use of the code, e.g. "Shipper", "Connection point", etc.

4 Annex 1: XML document structure for EIC code allocations.

4.1 XML Schema Structure



4.2 Element definitions

Data Element	Size	Comments
EicCode	16 characters fixed length	This element must have a valid check character
Status	1 character	The following coded values are permitted: C = Creation U = Update (The information about a code is to be modified. In this context the previous XML entry is entirely replaced by the current entry.) D = Make inactive (The information concerning this code is marked "inactive". It is not possible to reallocate the same code to another object). R = Reactivate. An already deactivated EIC code is to be reactivated. Two codes exist for the complete file: A = Active, the code is active and valid I = Inactive, the code is inactive and may not be reissued.
EicType	The one character type of the EIC Code	The EIC type may be: T = Tie-line identification W = Resource Object identification Y = area identification X = party identification Z = metering point identification
LastRequestDate	A date in the format : yyyy-mm-dd	The last request date represents the date of the addition, last modification or deletion to the code. This date shall be modified each time an EIC code is modified or made inactive.
EanCode	Fixed length 13 numeric characters	The EAN code, if present, must consist of 13 numeric characters. The EAN code shall only be provided for EIC "X" codes.
VatCode	Variable length 14 alpha-numeric characters	The VAT code generally consists of the 2 character country code followed by a variable length code of 12 alpha-numeric characters. All blanks, or presentation separators should be stripped from the code. The VAT code shall only be provided for EIC "X" codes.

Data Element	Size	Comments
OfficeCode	2 characters	The central issuing office may only assign this code. The element shall always be blank for Local Issuing Office transmissions.
EicParent	16 character fixed length	This code is a valid EIC code that must exist in the code list. It represents the root identification of a series of dependant EIC codes.
EicResponsible Party	16 character fixed length	This code is a valid EIC code that must exist in the code list. It represents the party that is responsible for a domain (for example, a TSO is responsible for a balance area).
EicName	70 characters variable length alpha-numeric	The name of the party, area or metering point. Special language specific characters should be avoided if standard Latin characters can be used.
DisplayName	16 character variable length alpha-numeric field	The permitted letters are the uppercase characters "A" to "Z", the minus sign "-", the plus sign "+", the underscore sign "_" or the numeric values "0" to "9". Each Display name assigned must be unique within each EIC code category ("T" "W", "X", "Y" and "Z", etc.)
AddressLine1, AddressLine2, AddressLine3	Each address line is variable length 70 alpha-numeric characters	
PostalCode	Variable length 10 alpha-numeric characters	
City	Variable length 35 alpha-numeric characters	
CountryCode	2 uppercase alphabetic characters	The 2 character code shall respect ISO 3166 2 character code identifications
ContactPerson for EDI matters	Variable length 70 alpha-numeric characters	
Telephone	Variable length 35 numeric characters	
Fax	Variable length 35 numeric characters	

Data Element	Size	Comments	
EMail	Variable length 70 alpha-numeric characters		
Function	Extract one or several values from the list provided. Each function shall be separated by a comma (.).	Role name	
		Balance group	
		Balance responsible party	
		Balance supplier	
		Capacity trader	
		Connection Point	
		Consumer	
		Consumption responsible party	
		Coordinating Scheduler	
		Grid access provider	
		Grid operator	
		Imbalance settlement responsible	
		Information Provider	
		Interconnection trade responsible	
		Market operator	
		Meter administrator	
		Meter operator	
		Metered data aggregator	
		Metered data collector	
		Metered data responsible	
		Metering point administrator	
		Nomination Validator	
		Party connected to grid	
		Producer	
		Production responsible party	
		Profile maintenance party	
		Resource Provider	
		System operator	
		Trade responsible party	
		Transmission capacity allocator	

4.3 Basic ground rules

1. The character “&” should be avoided wherever possible. This character is used as an escape character by XML processors. If such a character is required then the string “&” should be used.
2. All file extensions should be “.xml”.
3. The file character set content shall always be “UTF-8”.
4. The same Display Name is not allowed for different EIC codes within a category.

4.4 EASEE-Gas/Edig@s request form

ALLOCATED EIC CODE FORM Version 4

*** = Required**

ALLOCATED EIC CODE			
*Issuing Office: <input type="text"/>	*Code type: <input type="text"/>	*Identification: <input type="text"/>	*Check digit: <input type="text"/>
*Transaction Type: - none - <input type="button" value="v"/>			
EIC IDENTIFICATION			
*Request Date: <input type="text"/>	EAN Code: <input type="text"/>	EU VAT Code: <input type="text"/>	
EIC Parent: <input type="text"/>		EIC Responsible Party: <input type="text"/>	
*EIC Name: <input type="text"/>	*Display Name: <input type="text"/>		
*Address Line 1: <input type="text"/>			
Address Line 2: <input type="text"/>			
Address Line 3: <input type="text"/>			
*Postal Code: <input type="text"/>			
*City: <input type="text"/>			
*Country: - none - <input type="button" value="v"/>			
CONTACT DETAILS			
*Contact Person for EDI matters: <input type="text"/>			
Telephone: <input type="text"/>			
Fax: <input type="text"/>			
*e-mail: <input type="text"/>			
FUNCTION 1 * FUNCTION 2 FUNCTION 3 FUNCTION 4			
None <input type="button" value="v"/>	None <input type="button" value="v"/>	None <input type="button" value="v"/>	None <input type="button" value="v"/>