


Memo: MDS / ebIX® abbreviations	 E uropean forum for energy B usiness I nformation eX change
Date: November 21 st , 2017	
Version: v1r0A	MDS (ebIX® working group for M aster D ata S tructuring and harmonisation in the European energy market)

1 Introduction

This document contains a list of often used abbreviation in ebIX® documents.

The abbreviations are divided in three categories:

- Technical (Tech),
- Functional (Func) and
- Organisational (Org)

2 ebIX® abbreviations

Abbreviation	Description	Cate-gory	Short explanation in ebIX perspective	Link for more information
ABIE	Aggregated Business Information Entity	Tech	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ” paragraph 1.3.4	UN/CCTS
ACC	Aggregated Core Component	Tech	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ” paragraph 1.3.4	UN/CCTS
ASBIE	Associated Aggregated Business Information Entity	Tech	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ”	UN/CCTS
ASCC	Association Core Component	Tech	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ”	UN/CCTS
BA	Billing Agent	Func	The billing agent offers billing services – Role from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
BBIE	Basic Business Information Entity	Tech	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ” paragraph 1.3.4	UN/CCTS

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BCC	Basic Core Component	Tech	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ” paragraph 1.3.4	UN/CCTS
BDT	Business Data Type	Tech	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ” paragraph 1.3.4	UN/CCTS
BIE	Business Information Entity	Tech	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ” paragraph 1.3.4	UN/CCTS
BIM	Business Information Model	Tech	Documents the technical implementation of BRS	“ Introduction to ebIX® models ”
BRP	Balance Responsible Party	Func	Party responsible for balancing the energy for Metering Points – Domain from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
BRS	Business Requirements Specification	Func	A description of requirements made by business experts, following UMM	
BS	Balance Supplier	Func	Supplier for the customer for energy (gas or electricity) - Role from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
CCL	Core Components Library from CEFACT	Tech	A list with available Core Components from UN/CEFACT	UN/CCL
CCTS	Core Components Technical Specification from CEFACT	Tech	A meta model and related rules, describing the structure and contents of conceptual and logical data models and information exchange models	UN/CCTS
CDT	Core Data Type	Func	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ” paragraph 1.3.4	UN/CCTS

Abbreviation	Description	Cate-gory	Short explanation in ebIX perspective	Link for more information
CEDEC	European Federation of Local Energy Companies	Org	Federation of energy companies (grid companies, suppliers, etc) to improve the common interest and influence political	CEDEC.com
CEFACT	UN Centre For Trade Facilitation and E-Business (UN/CEFACT)	Org	UN organisation that aims to help business, trade and administrative organisations to exchange products and services effectively	CEFACT
CIM	Common Information Model	Func	A UML model, defining a common vocabulary and basic ontology for aspects of the electric power industry	CIM (Wikipedia)
CuS	ebIX® Customer Switching	Org	The former name of the permanent ebIX® working group for modelling customer faced processes (renamed to MDS in March 2017)	MDS
DGO	Distribution Grid Operator	Func	Operator of a physical energy distribution network, synonym to DNO and DSO	
DMR	Data Maintenance Requests	Func	A request for changes to UN/CEFACT artefacts	
DNO	Distribution Network Operator	Func	Company licensed to operate a distribution network for gas or electricity, synonym to DGO and DSO	
DSO	Distribution System Operator	Func	Operator responsible for balancing the energy flows in an energy distribution system, synonym to DGO and DNO	
EA	Enterprise Architect	Tech	UML modelling software, e.g. used by CIM	SparxSystems.com
EASEE-gas	EASEE-gas is a European not-for-profit association in the gas sector (linked to ENTSOG)	Org	EASEE-gas develops and promotes common business practices to simplify and streamline the business processes between all the gas industry players	EASEE-gas

Abbreviation	Description	Cate-gory	Short explanation in ebIX perspective	Link for more information
ebIX®	European forum for energy Business Information eXchange	Org	A European platform in which TSOs, DSOs, suppliers and regulators work together to harmonise and model downstream processes for electricity and gas	ebix.org
ECE	Economic Commission for Europe	Org	A regional commission under the administrative direction of United Nations	ECE
EDI	Electronic Data Interchange	Tech	An abbreviation, e.g. used in ebIX® documents	
EDIFACT	Electronic Data Interchange for Administration, Commerce and Transport	Tech	A United Nations standard for exchanging electronic data	EDIFACT (Wikipedia)
EDI*Gas	A workgroup under EASEE-gas	Org	Edig@s maintains EDI solutions recommended by the EASEE-gas/Edig@s workgroup in the European wholesale gas sector	Edig@s
EFET	European Federation of Energy Traders	Org	An association of European energy traders in markets for wholesale electricity and gas	EFET.org
EG	Expert Group	Org		
EIC	Energy Identification Code	Tech	A coding scheme for identifiers from the ENTSO-E and ENTSOG	ENTSO-E/EIC
Elec	Electricity	Func	Abbreviation used in ebIX® documents	
EMD	Metered Data working group	Org	An ebIX® working group for modelling processes for exchanging metered data	ebix/EMD
EEM	European Energy Market	Func	The abbreviation of the ebIX® UML model for the European Energy Market	ebix/documents
ENTSO-E	European network of transmission system operators for electricity	Org	ENTSO-E is the legally mandated body of electricity TSOs at the European level	ENTSO-E

Abbreviation	Description	Cate-gory	Short explanation in ebIX perspective	Link for more information
ENTSOG	European Network of Transmission System Operators for Gas	Org	ENTSOG is to facilitate and enhance cooperation between national gas transmission system operators (TSOs) across Europe to ensure the development of a pan-European transmission system in line with European Union energy goals	ENTSOG
ESCO (ESCO)	Energy Service Company	Func	A general term to indicate a company for energy services to customers other than the standard roles as supplier	ESCO (Wikipedia)
ETC	ebIX® Technical Committee	Org	A permanent ebIX® working group for technical standards	ebIX/ETC
EU	European Union	Org	A political and economic union of 28 member states that are located primarily in Europe	
GAP	Grid Access Provider	Func	Role from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
GDPR	General Data Protection Regulation	Func	Regulations from the EU to protect the privacy of all European citizens in the same way within the EU	EUGDPR.org
GIAI	Global Individual Asset Identifier	Tech	Unique numbering system for identifiers from GS1	GS1.org
GLN	Global Location Number	Tech	Unique numbering system for identifiers from GS1	GS1.org
GPRS	General Packet Radio Service	Tech	A communication protocol	GPRS (Wikipedia)
GS1	Global Systems 1	Org	A not-for-profit organisation that develops and maintains global standards for business communication	GS1.org
GSM	Global System for Mobile communications	Tech	A communication protocol	GSM (Wikipedia)
GSRN	Global Service Relation Number	Tech	Unique numbering system for identifiers from GS1	GS1.org

Abbreviation	Description	Cate-gory	Short explanation in ebIX perspective	Link for more information
GTIN	Global Trade Item Number	Tech	Unique numbering system for identifiers from GS1	GS1.org
HRM	Harmonised Role Model	Func	A role model established in cooperation of ebIX®, EFET and ENTSO-E	ebIX/Role Model
ID	Identification	Tech	An identification (number) of an intended object (usually unique)	
IEC	International Electrotechnical Commission	Org	An international standards and conformity assessment body for all fields of electrotechnology	IEC.ch
ISO	International Organization for Standardization	Org	An international standard-setting body composed of representatives from various national standards organisations	ISO.org
ISO 639-1	Part 1: Alpha-2 code	Tech	ISO two-character language code	ISO 639-1 (Wikipedia)
ISO 3166-1	Part 1: Alpha-2 country codes	Tech	Codes for the representation of names of countries	ISO 3166 (Wikipedia), UN/ECE Rec 3
ISO 6709	Representation of geographic point location by coordinates	Tech	The international standard for representation of latitude, longitude and altitude for geographic point locations	ISO 6709 (Wikipedia)
kV	kilo Volt	Tech	Unit to indicate the voltage level	
kW	kilo Watt	Tech	Unit to express the electrical power	
m ³	Cubic metre	Tech	Unit to measure volume of gas	
MA	Message Assembly (Stereotype «MA»)	Func	Building block of the ebIX® UML model of the European Energy Market”, see “ Introduction to ebIX® models ” paragraph 1.3.4	UPCC
MBA	Market Balance Area	Func	Domain from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
MD	Magic Draw	Tech	UML modelling software used to model ebIX® UML models	NoMagic.com

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MDA	Metered Data Aggregator	Func	Role responsible for the aggregation of metered data for Metering Points - Role from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
MDR	Metered Data Responsible	Func	Role responsible for the metered data of a Metering Point- Domain from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
MDS	Master Data Structuring	Org	ebIX® working group for Master Data Structuring and harmonisation in the European energy market, formerly known as CuS	ebIX/MDS
MGA	Metering Grid Area	Func	Domain from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
MIG	Message Implementation Guide	Func	A document describing how to implement an electronic document	
MoU	Memorandum of Understanding	Func	An agreement between two (bilateral) or more (multilateral) parties	
MP	Metering Point	Func	Association to the connection of a customer's installation to the grid, to perform market processes – Domain from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM))	ebIX/Role Model
MPA	Metering Point Administrator	Func	Administrates the (shared) market-data for the Metering Points for the market processes - Role from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM))	ebIX/Role Model
MW	Mega Watt	Tech	Unit to express the (electrical) power in millions of Watts	
na	Not Applicable	Func	An abbreviation used in ebIX® documents	

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NDR	XML Naming and Design Rules	Tech	Rules for structuring XML from CEFACT	UN/NDR
OBIS	Object Identification System	Tech	Identification schema used for measure units of an energy meter (DIN EN 62056-6-1 / IEC 62056-6-1:2015)	
OCL	Object Constraint Language	Tech	A language to model constraints for XML messages, issued from OMG	OMG/OCL
OMG	Object Management Group	Org	An international, open membership, not-for-profit technology standards consortium	OMG.org
PLC	Power-Line Communication	Tech	A protocol that uses the existing electrical power lines to exchange information, as the reads and signals from a “smart” meter	PLC (Wikipedia)
Prosumer	Concatenation of Producer and Consumer	Func	This term is normally used for customers with combined consumption and small-scale production at their Metering Point	
RGCE	Regional Group Central Europe	Org	Working group of the ENTSO -E	ENTSO-E/RGCE
SGTF	Smart Grid Task Force	Org	Working group initiated and governed by the EU Commissions	ebIX/SGTF
TC57	Technical Committee 57	Org	A commission from the IEC for Power systems management and associated information exchange	IEC/TC57
TCR	Transport Capacity Responsible Party	Func	Party responsible for acquiring the needed (gas) transport capacity for the energy for Metering Pints - Role from the ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)	ebIX/Role Model
TR	Technical Report	Func	A formal technical report from the IEC	

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TSO	Transmission System Operator	Func	Party responsible for the balancing of the transport system (network)	
TT	Transformation Tool	Tech	ebIX® tool for generating XML schemas from MD UML models	
V	Volt	Tech	Unit to express electric powerlevel	
WE	Weekend	Func	Abbreviation used in ebIX® documents	
UC	UseCase	Tech	A list of actions or event steps typically defining the interactions between a role and a system to achieve a goal	
UML	Unified Modelling Language	Tech	A general-purpose, developmental, modelling language	UML.org
UMM	Modelling Methodology	Tech	Modelling methodology issued by UN/CEFACT	UMM
UMTS	Universal Mobile Telecommunications System	Tech	A communication protocol	UMTS (Wikipedia)
UN	United Nations	Org	An intergovernmental organization tasked to promote international cooperation and to create and maintain international order	UN (Wikipedia)
UN/CEFACT	United Nations Centre for Trade Facilitation and Electronic Business	Org	See CEFACT	UN/CEFACT
UN/ECE	United Nations Economic Commission for Europe	Org	See ECE	UNECE.org
UN/ECE Rec 3	ISO Country Codes	Tech	See ISO 3166-1	UN Recommendation 3, ISO 3166-1

Abbreviation	Description	Cate-gory	Short explanation in ebIX perspective	Link for more information
UN/ECE Rec 20	Codes for Units of Measure	Tech	Codes for units of measure used in international trade	UN Recommendation 20
UNSM	United Nations Standard Message types	Tech	A standard message based on UN/EDIFACT syntax	UNSM
UPCC	UML Profile for Core Components	Tech	A profile for defining core components, issued by CEFACT	UPCC.pdf
USEF	Universal Smart Energy Framework	Func	A model that structures new roles in the energy transition using smart grids	USEF.energy
XML	Extensible Markup Language	Tech	A standard way to structure the information/datasets to exchange in messages	XML (Wikipedia)