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# **Draft Guide to MSATS and B2B Terms**

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**1.03 Draft  
June 2020**

Defines the MSATS and B2B terms used in the  
electricity retail market

# Important Notice

## **PURPOSE**

This Draft Guide to MSATS and B2B Terms (Guide), prepared by the Australian Energy Market Operator (AEMO), provides guidance for MSATS under the National National Electricity Rules (Rules).

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Available to the public.

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## **DOCUMENTS MADE OBSOLETE**

The release of this document changes any previous versions of Draft Guide to MSATS and B2B Terms.

## **FEEDBACK**

Your feedback is important and helps us improve our services and products. To suggest improvements, please contact AEMO's support hub.

# Contents

- Introduction** ..... **1**
- Purpose ..... 1
- How to use this guide ..... 1
  
- MSATS and B2B Glossary** ..... **2**

# Introduction

Purpose .....	1
How to use this guide .....	1

## Purpose

Assists participants of the Retail National Electricity Market (NEM) to understand the terms used in the retail electricity market procedures and the Market Settlement and Transfer Solution (MSATS)Assists participants of the Retail National Electricity Market (NEM) to understand the terms used in the retail electricity market procedures and the Market Settlement and Transfer Solution (MSATS)

## How to use this guide

- This guide is written in plain language for easy reading.
- Where there is a discrepancy between the National Electricity Rules, and information or a term in this document, the National Electricity Rules takes precedence.
- Where there is a discrepancy between the MSATS Procedures, and information or a term in this document, the MSATS Procedures take precedence.
- **Text in this format** indicates there is a resource on AEMO's website
- **Text in this format** indicates a link to a related resource on AEMO's website.
- Actions to complete in the web portal interface are **bold and dark grey**.
- Glossary and Rules terms are capitalised and have the meanings listed against them in this guide, the **Retail Electricity Market Procedures - Glossary and Framework** or the National Electricity Rules.
- References to time are Australian Eastern Standard Time (AEST).

# MSATS and B2B Glossary

## A

### **Accelerate**

See Retail Electricity Market Procedures - Glossary and Framework

### **Accept**

See Retail Electricity Market Procedures - Glossary and Framework

### **Access Requirements**

See Retail Electricity Market Procedures - Glossary and Framework

### **Accreditation**

The full process to become accredited as a B2B e-Hub Participant from application form to application successful.

### **Accreditation Checklists**

See Retail Electricity Market Procedures - Glossary and Framework

### **Accredited Service Provider (ASP)**

Electrically qualified personnel accredited to perform certain electrical works by the NSW or ACT Government.

### **Accumulation Meter**

See Retail Electricity Market Procedures - Glossary and Framework

**ACK**

A file with a filename extension of .ACK; the file contains an aseXML message to acknowledge another file.

**Acknowledgement File**

A file containing a Message Acknowledgement. See B2B Procedures: Technical Delivery Specification.

**ACMA**

Australian Communications and Media Authority

**Actual Change Date**

See Retail Electricity Market Procedures - Glossary and Framework

**Actual Date of Change**

In the case of a retail transfer, this is the date when financial responsibility changes from the old to the new FRMP in the wholesale electricity market (the actual date of transfer). For other types of changes, it is the effective date of a change (e.g. to a DLF).

**Actual End Date**

See Retail Electricity Market Procedures - Glossary and Framework

**Actual Meter Read Date**

See Retail Electricity Market Procedures - Glossary and Framework

**Actual Meter Reading**

See Retail Electricity Market Procedures - Glossary and Framework

**Actual Metering Data**

See Retail Electricity Market Procedures - Glossary and Framework

**ADL**

Average Daily Load

**AEMO API Gateway**

The gateway on AEMO's side providing participant communication options, accessible over the internet or MarketNet. It uses resources and methods to push messages to Participants' API Gateways .

**AEMO Communication**

See Retail Electricity Market Procedures - Glossary and Framework

**AEMO Security Model**

The entities and rights assigned to participants to maintain access rights to different parts of the system.

**AEST**

Australian Eastern Standard Time

**API**

Application Programming Interface. A set of clearly defined methods of communication between various software components.

**API Gateway**

Provides communication options using web services or using direct connections from a compatible participant gateway. Accessible over the internet or MarketNet.

**API Portal**

Where you can view available APIs, manage your API Keys, and obtain OAS files.

**API Protocol**

An e-Hub delivery method.

**Appointment**

See Retail Electricity Market Procedures - Glossary and Framework

**Approved Schema Version**

A version of the aseXML schema approved by the aseXML Working Group, or its successors. Refer B2B Procedures: Technical Delivery Specification.

**aseXML**

See Retail Electricity Market Procedures - Glossary and Framework

**aseXML Document**

Refer to aseXML Message. See B2B Procedures: Technical Delivery Specification.

**aseXML Guidelines**

See Retail Electricity Market Procedures - Glossary and Framework

**aseXML Message Handler**

Software that manages aseXML message interactions. See B2B Procedures: Technical Delivery Specification.

**aseXML schema**

See Retail Electricity Market Procedures - Glossary and Framework

**aseXML transaction**

See Transaction.



**aseXML wrapped CSV transaction**

An aseXML transaction that includes CSV formatted data. See B2B Procedures: Technical Delivery Specification.

**ASP**

Accredited Service Provider

**Asset Management Strategy**

See Retail Electricity Market Procedures - Glossary and Framework

**Average Daily Load**

See Retail Electricity Market Procedures - Glossary and Framework

## **B**

### **B2B**

Business-to-Business

### **B2B Acknowledgement**

See Retail Electricity Market Procedures - Glossary and Framework

### **B2B Browser**

A web interface supporting the creation and management of a defined set of business-to-business transactions and acknowledgements. Optionally used to manage your B2B inbox and outbox. It remains part of the B2B e-Hub services.

### **B2B Browser Application**

An application supplied by AEMO for participants to manage their MSATS B2B Handler inbox and outbox, and support the creation of a specified set of B2B Transactions.

### **B2B Contacts List**

A list of contact details published by participants used for the purpose of contact between participants to support B2B communications according to the B2B Procedures.

### **B2B Delivery Method**

Either API or FTP

### **B2B e-Hub Acknowledgement**

A message acknowledgement generated by the B2B e-Hub Handler, see B2B Procedures: Technical Delivery Specification.

**B2B e-Hub Batch Handlers**

An extension of the MSATS batch handler managing the B2B Communications between participant ID folders and AEMO. For details, see B2B Procedures: Technical Delivery Specification.

**B2B e-Hub Handler Inbox**

The file directory where participants publish B2B messages and acknowledgements for other participants, see B2B Procedures: Technical Delivery Specification.

**B2B e-Hub Handler Outbox**

The file directory where participants receive B2B messages and acknowledgements from other participants, see B2B Procedures: Technical Delivery Specification.

**B2B e-Hub Services**

AEMO provides the following pre-production and production environment e-Hub services: 1. The MSATS Browser functionality accessible over MarketNet. 2. The FTP Gateway accessible over MarketNet (to support the B2B hokey-pokey protocol). 3. The e-Hub Portal functionality accessible over MarketNet or the internet. 4. The e-Hub API functionality accessible over internet or MarketNet. Either to push the messages or pull the message from the e-Hub queue using RESTful APIs.

**B2B File**

See B2B message

**B2B Infrastructure**

See National B2B infrastructure.

**B2B Initiator**

The participant who initiates a B2B interaction.

**B2B Interaction**

See Retail Electricity Market Procedures - Glossary and Framework

**B2B Mapping to aseXML**

A document detailing the specific aseXML interfaces used in the implementation of B2B transactions.

**B2B Message**

See Retail Electricity Market Procedures - Glossary and Framework

**B2B Notification**

See Retail Electricity Market Procedures - Glossary and Framework

**B2B Procedures**

The documents that comprise the B2B Procedures prescribing the content of, the processes for, and the information to be provided to support B2B communication.

**B2B Process**

A defined business process of which a B2B interaction is a key component. Examples of B2B processes are: Service Orders, Customer & Site Details, Meter Data Request, and One Way Notification.

**B2B Protocol**

Either the FTP or API delivery method

**B2B Recipient**

The receiving participant of a B2B transaction or acknowledgement (sent by a B2B initiator). As a convention, the initiator of a B2B interaction is the participant who sends the business document.

**B2B Responder**

Using the Responder, participants with appropriate access rights can specify the standard transactions they would like to receive. Participants can also search and track the flow of messages between the Responder and themselves.

**B2B Standard**

A collection of B2B procedures and supporting documentation that collectively form a coherent set of requirements (an industry B2B Standard). The components of a B2B standard are described by the B2B Standards Framework.

**B2B Standards Framework**

Describes the components of a B2B standard.

**B2B Transaction**

See Retail Electricity Market Procedures - Glossary and Framework

**B2B Transaction Types**

The transactions defined in the B2B Procedures. See B2B Procedures: Technical Delivery Specification.

**B2M**

AEMO to participant

**B2M Participant Inbox**

Participant Inbox for B2M transactions on the Participant File Server.

**B2M Participant Outbox**

Participant Outbox for B2M transactions on the Participant File Server.

**Backup ROLR**

As defined in the AER RoLR Guidelines.

**Basic Meter**

A device complying with Australian Standards, containing a measurement element(s) and a record of the accumulated quantity of the electricity flowing through the power conductor. Also known as an accumulation, type 6, or consumption meter.

**Basic Meter Profile**

A party that applies a profile shape to a Basic Meter read to produce calculated interval data.

**Batch Entity**

A right type assigned to a user, allowing the use of the Batch Transaction Handlers.

**Batch Entity Table**

The table that allows execute access to batch commands to be assigned to a user right.

**Batch Handler Transactions**

Communication between participant ID folders and AEMO. Each participant ID set of folders has at least two subfolders, \import and \export, with naming relative to the participant ID.

**Batch Handlers**

FTP exchange capabilities for MSATS where participants submit data to the Participant File Server.

**Batch Interface**

File interface using the Batch Handlers.

**Batcher**

An application providing an interface for batch transactions, called MSATS Participant Batcher.

**BCT**

Bulk Change Tool

**BMP**

Basic Meter Profiler

**Bundling**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Document**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Event**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Group**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Hour**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Hours**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Signal**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Acceptance**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Receipt**

See Retail Electricity Market Procedures - Glossary and Framework

**Business Rejection**

See Retail Electricity Market Procedures - Glossary and Framework



## C

### **C4 Report**

See Retail Electricity Market Procedures - Glossary and Framework

### **CAN**

Cancelled

### **Cancel**

See Retail Electricity Market Procedures - Glossary and Framework

### **Cancelled**

See Retail Electricity Market Procedures - Glossary and Framework

### **Category A**

See Retail Electricity Market Procedures - Glossary and Framework

### **Category B**

See Retail Electricity Market Procedures - Glossary and Framework

### **Category C**

See Retail Electricity Market Procedures - Glossary and Framework

### **Category D**

See Retail Electricity Market Procedures - Glossary and Framework

### **CATS**

Consumer Administration and Transfer Solution

### **CATS Participant**

As defined in the MSATS Procedures

### **CATS Procedures**

MSATS Procedures: CATS Procedure Principles and Obligations

### **CATS Standing Data**

See Retail Electricity Market Procedures - Glossary and Framework

### **CATS Standing Data Access Rules**

See Retail Electricity Market Procedures - Glossary and Framework

### **Change Reason Code**

See Retail Electricity Market Procedures - Glossary and Framework

### **Change Request**

See Retail Electricity Market Procedures - Glossary and Framework

### **Change Request Notification**

See Retail Electricity Market Procedures - Glossary and Framework

### **Change Request Status**

See Retail Electricity Market Procedures - Glossary and Framework

### **Change Request Status Notification Rules**

See Retail Electricity Market Procedures - Glossary and Framework

### **Checksum**

See NMI checksum in Retail Electricity Market Procedures - Glossary and Framework

**Child Name**

See Retail Electricity Market Procedures - Glossary and Framework

**Child NMI**

See Retail Electricity Market Procedures - Glossary and Framework

**Close of Business**

5.00 PM at the location of the site on a business day.

**CLP**

Controlled Load Profile

**CND**

CATS NMI Data

**CNDS**

CATS NMI Data Stream

**CNPR**

CATS NMI Participant Relationship

**COM**

Completed

**Completed**

See Retail Electricity Market Procedures - Glossary and Framework

**Connection Date**

See Retail Electricity Market Procedures - Glossary and Framework

**Connection Point**

The agreed point of supply established between Network Service Providers and Registered Participants, Non-Registered Customer or franchise customer.

**Consumer**

An end use customer (consumer) of energy.

**Consumption**

Basic Metering Data

**Contact**

External and internal business contacts, similar in functionality to an address book. A contact may be an internal contact within the participant organisation, or could be an external contact belonging to another market participant.

**Contestable**

Relates to transmission services or distribution services; a service permitted by the laws of the relevant participating jurisdiction to be provided by more than one service provider as a contestable service or on a competitive basis.

**Controlled Load**

See Retail Electricity Market Procedures - Glossary and Framework

**Controlled Unmetered Device**

See Retail Electricity Market Procedures - Glossary and Framework

**Cooling-off Period**

See Retail Electricity Market Procedures - Glossary and Framework

**CR**

Change Request

**Create Privilege**

Provides the Participant User the access right to create records represented by an entity.

**CSR**

Certificate Signing Request is a block of encoded text given to a Certificate Authority when applying for an SSL Certificate. It also contains the Public Key to include in the certificate. Usually, a Private Key is created at the same time, making a Key Pair.

**CSV**

Comma-separated values; a file format for exchanging data.

**CSVNotificationDetail**

See Retail Electricity Market Procedures - Glossary and Framework

**CT**

Current Transformer

**Curl**

A command line utility used to interact with REST API endpoints.

**Current (Participant/Role)**

See Retail Electricity Market Procedures - Glossary and Framework

**Current FRMP**

See Retail Electricity Market Procedures - Glossary and Framework

**Current LNSP**

See Retail Electricity Market Procedures - Glossary and Framework

**Current MDP**

See Retail Electricity Market Procedures - Glossary and Framework

**Current Party**

See Retail Electricity Market Procedures - Glossary and Framework

**Current Retailer**

See Retail Electricity Market Procedures - Glossary and Framework

**Current RP**

See Retail Electricity Market Procedures - Glossary and Framework

**Customer and Site Details**

See Retail Electricity Market Procedures - Glossary and Framework

**Customer and Site Details Changes**

See Retail Electricity Market Procedures - Glossary and Framework

**Customer Classification Code**

See Retail Electricity Market Procedures - Glossary and Framework

**Customer Details**

The elements of data identified in the customer details notification transaction detailed in the B2B Procedures: Customer and Site Details Notification Process. See B2B Procedures: Customer and Site Details Notification Process.

### **Customer Details Changes**

Includes new, amended, additional, or removal of one or more elements of data identified in any of the customer details notification transactions detailed in the B2B Procedures: Customer and Site Details Notification Process. See B2B Procedures: Customer and Site Details Notification Process

### **Customer Threshold Code**

See Retail Electricity Market Procedures - Glossary and Framework

## D

### **Data Delivery Calendar**

See Retail Electricity Market Procedures - Glossary and Framework

### **Data Request**

See Retail Electricity Market Procedures - Glossary and Framework

### **Data stream Status Code**

See Retail Electricity Market Procedures - Glossary and Framework

### **Datastream**

See Retail Electricity Market Procedures - Glossary and Framework

### **De-energised Site**

A connection point that is not electrically connected to the network. See B2B Procedures: Service Order Process.

### **Default and Deregistration Procedure**

See Retail Electricity Market Procedures - Glossary and Framework

### **Delete Privilege**

Provides the participant user the access right to delete records represented by an entity.

### **Delivery Method**

Either the API or FTP protocol

### **Disconnecting officer**

The service provider's personnel performing a de-energisation service order. Refer B2B Procedures: Service Order Process.



**Distributor**

The term DNSP is used in favour of Distributor in the B2B Procedures.

**DLF**

Distribution Loss Factor

**DLF Code**

See Retail Electricity Market Procedures - Glossary and Framework

**DNSP**

Distribution Network Service Provider

**DPID**

Delivery Point Identifier

## E

### **e-Hub**

Consists of the API Portal and the API Gateway for both electricity and gas.

### **e-Hub Interface**

AEMO provides the following pre-production and production environment e-Hub interfaces: 1. The MSATS Browser functionality accessible over MarketNet. 2. The FTP Gateway accessible over MarketNet (to support the B2B hokey-pokey protocol). 3. The e-Hub Portal functionality accessible over MarketNet or the internet. 4. The e-Hub API functionality accessible over internet or MarketNet. Either to push the messages or pull the message from the e-Hub queue using RESTful APIs.

### **ebXML**

Electronic Business XML. An internationally developed set of protocols for using XML. ebXML is a wide ranging standard that covers all layers of messaging. The VicGas FRC project has adopted only the transport, routing and packaging (TRP) recommendations of ebXML, and is using aseXML to define standards for message content.

### **EENSP**

Exempt Embedded Network Service Provider

### **Embedded Network Code**

See Retail Electricity Market Procedures - Glossary and Framework

### **EMMS**

Wholesale Electricity Market Management System; software, hardware, network and related processes to implement the energy market.

### **End-use Customer**

See B2B Procedures: Service Order Process.

**Endpoint**

Where the API request is sent and where the response comes from.

**Energised Site**

A connection point that is electrically connected to the network, see B2B Procedures: Service Order Process.

**ENM**

Embedded Network Manager

**Entity**

The individual components or building blocks of the MSATS system, representing individual pieces of functionality. Some examples of entities are the menu options available on the MSATS main menu (ombudsman, role assignment, create participant, CATS reports and so on).

**Estimated Reading**

See Retail Electricity Market Procedures - Glossary and Framework

**Estimation**

See Retail Electricity Market Procedures - Glossary and Framework

**Event Code**

A specific code used to refer to a business event defined in a B2B Procedure, see B2B Procedures: Technical Delivery Specification.

**Exemption Guideline**

See Retail Electricity Market Procedures - Glossary and Framework

### **Exemption Procedure**

See Retail Electricity Market Procedures - Glossary and Framework

### **Explicit Informed Consent**

See Retail Electricity Market Procedures - Glossary and Framework

## **F**

### **Failed Retailer**

See Retail Electricity Market Procedures - Glossary and Framework

### **Field Validation Rules**

See Retail Electricity Market Procedures - Glossary and Framework

### **File Limit**

Refers to the number of files in an inbox or outbox at which point the B2B Handler generates a flow control file, see B2B Procedures: Technical Delivery Specification.

### **File Transfer and Acknowledgement Protocol**

See MSATS File Exchange Protocol in the B2B Procedures: Technical Delivery Specification.

### **Final Reading**

See Retail Electricity Market Procedures - Glossary and Framework

### **First-Tier Controlled Load**

See Retail Electricity Market Procedures - Glossary and Framework

### **First Tier Customer**

An End-use Customer whose energy Retailer is the Local Retailer.

### **First Tier NMI**

See Retail Electricity Market Procedures - Glossary and Framework

## **FRC**

Full Retail Competition

**FRMP**

Financially Responsible Market Participant

**FTP**

File transfer protocol; a standard network protocol used for the transfer of computer files between a client and server on a computer network.

**FTP Gateway**

AEMO systems to participant systems interaction using batch processing, suitable for Participant systems using database technology and submission or receipt of high volumes of data. o Management of security and data distribution. AEMO recommends this method to replicate large amounts of data

**FTP Protocol**

A B2B e-Hub and EMMS delivery method.

**Fully Tagged aseXML Transactions**

An aseXML transaction not containing a CSV payload, see B2B Procedures: Technical Delivery Specification.

## **G**

### **Good Industry Practice**

See Retail Electricity Market Procedures - Glossary and Framework

## H

### **Hazard**

A health and/or safety risk at a site, see B2B Procedures: Customer and Site Details Notification Process and B2B Procedures: Service Orders Process.

### **Header Parameters**

Parameters included in the request header.

### **Historical Data**

See Retail Electricity Market Procedures - Glossary and Framework

### **HMTG**

A Hub Management Transaction Group introduced to support message exchange between the e-Hub and participants related to the API protocol for example, participants requesting the AEMO e-Hub to send the list of current B2M stop files.

### **Hokey-pokey protocol**

MSATS FTP protocol

### **Host Retailer**

See Local Retailer

### **HV**

High voltage

### **HV CT**

High voltage current transformer



**I****ILAC**

International Laboratory Accreditation Cooperation

**Initiate**

See Retail Electricity Market Procedures - Glossary and Framework

**Initiating Message**

The first message in a series of related messages, see B2B Procedures: Technical Delivery Specification.

**Initiation Rules**

See Retail Electricity Market Procedures - Glossary and Framework

**Initiator**

The participant initiating a B2B Interaction.

**Insolvency Official**

See Retail Electricity Market Procedures - Glossary and Framework

**Interactive Entity**

A right type assigned to a Participant User to access the B2B Web Browser or Web Services.

**Interactive Entity Table**

The table allowing Create, Read, Update, or Delete privileges for an interactive entity to be assigned to a right. This determines what a Participant User can access in MSATS.

### **Interactive Transactions**

Interaction with the MSATS web portal.

### **Interval**

See Retail Electricity Market Procedures - Glossary and Framework

### **Interval Meter**

See Retail Electricity Market Procedures - Glossary and Framework

### **Inventory Table**

See Retail Electricity Market Procedures - Glossary and Framework

## J

### **JSON**

JavaScript Object Notation. A lightweight syntax containing objects and arrays, usually used (instead of XML) to return information from a REST API.

### **Jurisdiction**

See Retail Electricity Market Procedures - Glossary and Framework

### **Jurisdiction Code**

See Retail Electricity Market Procedures - Glossary and Framework | belongs to, as specified in the CATS Procedures.

## K

### **Key Pair**

SSL uses a technique called public-key cryptography, based on the concept of a Key Pair. The Key Pair consists of encrypted Public and Private Key data. It is only possible to decrypt the Public Key with the corresponding Private Key.

## L

### **Latest**

The participant is set up to receive both current and next projected future version of aseXML-compliant files.

### **Life Support**

See Retail Electricity Market Procedures - Glossary and Framework

### **LNSP**

Local Network Service Provider

### **Load Profile**

See Retail Electricity Market Procedures - Glossary and Framework

### **Load Table**

See Retail Electricity Market Procedures - Glossary and Framework

### **Local Area**

The geographical area allocated to a network service provider by a Jurisdictional Regulator.

### **log4j**

A Java logging facility, enabling logging at run time without modifying the application binary.

### **Lot Number**

See Retail Electricity Market Procedures - Glossary and Framework

### **Lower Limit**

The Upper Limit at the start of the day.

**LR**

Local Retailer

**LV**

Low Voltage

**LV CT**

Low voltage current transformer

## M

### **MACK**

Message Acknowledgment. Participants receiving a message must ensure an ase:MessageAcknowledgement is generated for every aseXML Message received.

### **MAMP**

See Retail Electricity Market Procedures - Glossary and Framework

### **MarketNet**

AEMO's private network available to participants having a participant ID

### **Markets Portal**

Web portal for access to AEMO's wholesale web-based applications.

### **MC**

Meter Coordinator

### **MDFF**

Meter Data File Format

### **MDFF Data**

The data contained in an electronic file formatted according to the Meter Data File Format specification.

### **MDFF Specification**

See Retail Electricity Market Procedures - Glossary and Framework

### **MDM**

Meter Data Management

**MDM Contributory Suffix**

See Retail Electricity Market Procedures - Glossary and Framework

**MDM Data File**

See Retail Electricity Market Procedures - Glossary and Framework

**MDM Procedures**

The MSATS Procedure: MDM Procedures.

**MDMF**

Meter Data Management file format used by MDPs to send Metering Data to AEMO for Settlements. It has a singular purpose, allowing MDPs to deliver AEMO settlement ready Metering Data including any substitutions and forward estimations. Missing Metering Data is identified at the time of settlement when a Data Stream identified in the CATS Data Stream (CNDS) is not provided.

**MDMT**

B2M Meter Data Management Transaction Group

**MDP**

Metering Data Provider

**Message Acknowledgement**

An aseXML realisation of a Business Receipt.

**Meter Alarm**

See Retail Electricity Market Procedures - Glossary and Framework

**Meter Churn**

See Retail Electricity Market Procedures - Glossary and Framework



**Meter Data File Format Specification**

Metering data delivered to participants is to conform to the Meter Data File Format Specification, see Meter Data File Format on AEMO's website.

**Meter Data Process**

The overall process for the provision of metering data to a participant by an MDP. Requests by the appropriate participant for provision of missing metering data from an MDP, or the querying of the validity of any metering data supplied by an MDP. Has 3 component processes: Meter Data Notification Process, Provide Meter Data Process, and Meter Data Verification Process, see B2B Procedures: Meter Data Process.

**Meter Provision**

See Retail Electricity Market Procedures - Glossary and Framework

**Meter Reading**

See Retail Electricity Market Procedures - Glossary and Framework

**Meter Register**

See Retail Electricity Market Procedures - Glossary and Framework

**Meter Register Status Code**

See Retail Electricity Market Procedures - Glossary and Framework

**Meter Serial ID**

See Retail Electricity Market Procedures - Glossary and Framework

**Metering Data Delivery Calendar**

The Metering Data Delivery Calendar provides the cut-off dates for MDP data delivery.

**Metering Data Notification Process**

See Retail Electricity Market Procedures - Glossary and Framework

**Metering Data Verification Process**

See Retail Electricity Market Procedures - Glossary and Framework

**Metering Installation Type Code**

See Retail Electricity Market Procedures - Glossary and Framework

**Metering Service Provider**

Either a Metering Provider or a Metering Data Provider.

**Method**

The allowed operation for a resource, e.g. GET, POST, PUT, DELETE, and so on. These operations determine whether you're reading information, creating new information, updating existing information, or deleting information.

**Metrology Procedure: Part A**

Metrology Procedure: Part A National Electricity Market

**Metrology Procedure: Part B**

Metrology Procedure: Part B Metering Data Validation, Substitution and Estimation Procedure

**MP**

Metering Provider

**MPB**

A Category B Metering Data Provider

**MPC**

A Category C Metering Data Provider

**MRAM**

Small Customer Metering Installation – Type 4A

**MRIM**

Manually Read Interval Meter – Type 5

**MSATS**

Retail Market Settlement and Transfer Solution

**MSATS File Exchange Protocol**

The file exchange protocol used by MSATS, see MSATS File Exchange Protocol in the B2B Procedures: Technical Delivery Specification.

**MSATS Notification**

An MSATS transaction, see MSATS Procedures: CATS Procedures and B2B Procedures: Service Orders Process.

**MSATS Procedures**

CATS, WIGS, MDM, NMI Procedures, NMI Standing Data Schedule, and Part A of the NEM RoLR Processes

**MSATS Web Portal**

MSATS web-based interactive interface

**MSGA**

Market Small Generator Aggregator

**MSUG**

Market Systems User Group

**MTPASA**

Medium-term Projected Assessment of System Adequacy; 2 years worth of data.

**MW**

Megawatt

## N

### **National B2B Infrastructure**

Infrastructure (software and hardware) that physically enables B2B communication between participants. This includes, but is not necessarily limited to: MSATS B2B Handler (software and hardware), MSATS B2B gateways, communications between participants and MSATS, B2B gateways, and participant gateways.

### **NEM Retail Operations Contacts List**

NEM Retail Operations Contact List

### **NEM RoLR Processes**

Part A: MSATS Procedure: RoLR Procedures – Part B: B2B Procedure: RoLR Process.

### **NER**

National Electricity Rules

### **NERL**

National Electricity Retail Law

### **NERR**

National Energy Retail Rules

### **Net System Load Profile**

A profile shape calculated from interval data for metered inputs (e.g. TNI data) less interval data (metered or derived) outputs, to derive an average load shape for the remaining energy in the profile area. Net System Load is the residual of the total system load, (net off and the peel off.). The Net Off consists of all of the Interval Meters. The Peel Off consists of profiles that have been applied to other basic meters, as defined by the jurisdictional rules.

**Network Tariff**

See Retail Electricity Market Procedures - Glossary and Framework

**Network Tariff Code**

See Retail Electricity Market Procedures - Glossary and Framework

**New (Participant/Role)**

See Retail Electricity Market Procedures - Glossary and Framework

**New FRMP**

See Retail Electricity Market Procedures - Glossary and Framework

**New MDP**

See Retail Electricity Market Procedures - Glossary and Framework

**New Parties**

See Retail Electricity Market Procedures - Glossary and Framework

**New Retailer**

See Retail Electricity Market Procedures - Glossary and Framework

**New RP**

See Retail Electricity Market Procedures - Glossary and Framework

**Next Scheduled Read Date**

The date of the next scheduled meter read to be undertaken by the current MDP or MPC, see MSATS Procedures: CATS Procedures.

**NMI Address**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Checksum**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Classification Code**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Datastream**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Discovery Search 1**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Discovery Search 2**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Discovery Search 3**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Master Record**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Procedures**

MSATS Procedures: National Metering Identifier.

**NMI Search Rules**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Standing Data Access Rules**

See Retail Electricity Market Procedures - Glossary and Framework

**NMI Standing Data Schedule**

NMI Standing Data Schedule document.

**NMI Status Code**

See Retail Electricity Market Procedures - Glossary and Framework

**NMID1, 2, or 3**

B2M NMI Discovery Transaction Group - NMI Discovery Search 1, 2, or 3

**Non-Controlled Load**

See Retail Electricity Market Procedures - Glossary and Framework

**Non-technical B2B Procedures**

The B2B Procedures other than the B2B Procedures: Technical Guidelines for B2B Procedures and the B2B Procedures: Technical Delivery Specification.

**Not Completed**

A ServiceOrderStatus indicating the Primary Work is not complete.

**Notification**

See Retail Electricity Market Procedures - Glossary and Framework

**Notification Business Transaction Pattern**

A B2B interaction characterised by one participant sending a notification transaction (e.g. CustomerDetailsNotification) to another participant without a corresponding reply transaction.



**NotificationDetail**

See Retail Electricity Market Procedures - Glossary and Framework

**Notified Party**

See Retail Electricity Market Procedures - Glossary and Framework

**NSLP**

Net System Load Profile

**NSP**

Network Service Provider

**NSP2**

Second Network Service Provider

**NSRD**

Next Scheduled Read Date

**NSRDF**

Next Scheduled Read Date Flag

## O

### **OAS**

OpenAPI specification

### **OBJ**

Objected

### **Objected**

See Retail Electricity Market Procedures - Glossary and Framework

### **Objection**

See Retail Electricity Market Procedures - Glossary and Framework

### **Objection Clearing Period**

See Retail Electricity Market Procedures - Glossary and Framework

### **Objection Code**

See Retail Electricity Market Procedures - Glossary and Framework

### **Objection Logging Period**

See Retail Electricity Market Procedures - Glossary and Framework

### **Objection Rules**

See Retail Electricity Market Procedures - Glossary and Framework

### **Off-Market**

See Retail Electricity Market Procedures - Glossary and Framework

**Old Parties**

Entities associated with the meter installation and retail arrangements a consumer wants to transfer from.

**Old Retailer**

See Retail Electricity Market Procedures - Glossary and Framework

**On-Market**

See Retail Electricity Market Procedures - Glossary and Framework

**On/Off Table**

See Retail Electricity Market Procedures - Glossary and Framework

**OneWayNotification**

See Retail Electricity Market Procedures - Glossary and Framework

**OpenAPI specification document**

The file, either in YAML or JSON, describing your REST API. Follows the OpenAPI specification format.

## P

### PA

Participant Administrator; manages participant organisations user access and security.

### PA Right

The right assigned to a Participant ID's Participant Administrator to create rights for the Participant IDs Participant Users.

### Parameters

Parameters are options you pass with the endpoint (such as specifying the response format or the amount returned). There are four types of parameters: header parameters, path parameters, query string parameters, and request body parameters. The different types of parameters are often documented in separate groups on the same page. Not all endpoints contain each type of parameter. See Parameters for more details.

### Parent FRMP

See Retail Electricity Market Procedures - Glossary and Framework

### Parent Name

See Retail Electricity Market Procedures - Glossary and Framework

### Partially Completed

A Service Order Status indicating the Recipient has completed the Primary Work but there are outstanding matters requiring attention.

### Participant API Gateway

The interface implemented by participants where AEMO pushes messages.

**Participant Batcher**

An application providing an interface for batch transactions (files).

**Participant File Server**

The publishing point from AEMO systems to participant systems. Each participant is allocated an account and access to private and public areas. Participants are responsible for interfacing with the participant file server.

**Participant Folders**

Participant inbox and outbox used by the B2B e-Hub Handler, see B2B Procedures: Technical Delivery Specification.

**Participant Gateways**

Hardware and software used by a participant to send and receive B2B files, see B2B Procedures: Technical Delivery Specification.

**Participant Hub Queue**

Interface for API Pull and MDMT messages.

**Participant ID**

Registered participant identifier

**Participant Relationship**

Where a participant has a role recorded in MSATS with respect to a connection point.

**Participant User**

An end-user, using AEMO's participant energy market systems to view and retrieve information on behalf of a participant ID. The Participant Users access rights are created and maintained by the participant ID's Participant Administrator.

**Participant user ID**

The user ID you used to login to the system.

**Path parameters**

Parameters in the path of the endpoint, before the query string (?). Path parameters are usually set off within curly braces.

**Payload**

The actual message inside the aseXML in a POST request. The Payload section sits after the header.

**PEND**

Pending

**Pending**

See Retail Electricity Market Procedures - Glossary and Framework

**Pending Validation**

See Retail Electricity Market Procedures - Glossary and Framework

**Physical Inventory**

See Retail Electricity Market Procedures - Glossary and Framework

**PPS**

Profile Preparation Service

**PRD**

Previous Read Date Advice from the new FRMP to the MDP the transfer occurs on a previous Meter Reading. MSATS must determine the previous Meter reading and have a Quality Flag of A or F. (excludes CR1040)

**Pre-consent Market Facilitation**

Refers to the ability of a party, such as a prospective Retailer, to obtain information about a NMI in which it currently does not have an interest. While typically, this may be to obtain information to facilitate quotation and transfer, the policies governing the use of this functionality are determined by jurisdictions and the access and data available is limited based on those policies.

**Pre-production**

AEMO's test system available to participants

**Previous Read**

A previous Meter reading in MSATS provided by the MDP

**Previous Retailer**

Refer to old Retailer.

**Primary Work**

See Retail Electricity Market Procedures - Glossary and Framework

**Privileges**

Refers to the create, read, update, and delete actions available to an entity. These privileges set the actual access rights to the entity, for example the ability to create or edit a participant record as opposed to just viewing rights to the participant record.

**Production**

AEMO's live participant system

**Profile Area**

See Retail Electricity Market Procedures - Glossary and Framework

**Profile Name**

See Retail Electricity Market Procedures - Glossary and Framework

**Profile/Profiling**

Use of an algorithm to allocate basic meter readings to each 30 minute trading interval during the meter reading period.

**Proposed Change Date**

See Retail Electricity Market Procedures - Glossary and Framework

**Prospective Change**

See Retail Electricity Market Procedures - Glossary and Framework

**Prospective Days**

See Retail Electricity Market Procedures - Glossary and Framework

**Prospective Period**

See Retail Electricity Market Procedures - Glossary and Framework

**Prospective Retailer**

Retailer who may initiate a defined B2B process on the basis that they are in the process of applying for responsibility of a given site (using the Customer Transfer process in MSATS).

**Provide Meter Data Process**

The provision by an MDP of Metering Data specifically requested by a participant, see B2B Procedures: Meter Data Process.



**Put Process**

The FTP Put command used to copy files between participant inboxes and outboxes, see B2B Procedures: Technical Delivery Specification.

**PVAL**

Pending validation

## Q

### QF

Quality Flag

### Qualification Procedure

The Procedure for Metering Providers, Metering Data Providers and Embedded Network Managers.

### Quality Flag

A flag determining the quality of Metering Data.

### Query String Parameters

Parameters in the query string of the endpoint, after the ?.

## R

### **RDAT**

Request for Data Transfer

### **Read Privilege**

The access right to view records represented by an entity.

### **Read Type Code**

See Retail Electricity Market Procedures - Glossary and Framework

### **REC**

Registered Electrical Contractor

### **Recipient**

See Retail Electricity Market Procedures - Glossary and Framework

### **Reconciliation Process**

The provision of the customer details held by the FRMP for all of their current customers in the DNSP's area at the time of the data extract, see B2B Procedures: Customer and Site Details.

### **Register Identifier Status Code**

See Retail Electricity Market Procedures - Glossary and Framework

### **Regulated Time Frame**

The timing requirement imposed on a service provider by the relevant jurisdictional instrument for the conduct of the regulated service.

### **Regulator**

See Retail Electricity Market Procedures - Glossary and Framework

**REJ**

Rejected

**Reject**

When used in the context of a transaction, indicates that the recipient of the transaction has rejected the transaction using a business acceptance/rejection with an ase: Status of "Reject", see all B2B Procedures.

**Rejected**

See Retail Electricity Market Procedures - Glossary and Framework

**REQ**

Requested

**Request**

The way information is returned from an API. In a request, the client provides a resource URL with the proper authorization to an API server. The API returns a response with the information requested.

**Request and Response Transactions**

See request/response business transaction pattern.

**Request Body Parameters**

Parameters in the request body. Usually submitted as JSON.

## **Request/Response Business Transaction Pattern**

A B2B interaction characterised by one participant sending a request transaction (e.g. ServiceOrderRequest) to another participant and the other participant responding with a corresponding response transaction (e.g. ServiceOrderResponse). In some cases, a notification is sent in response to a request transaction (e.g. a MeterDataNotification providing the Metering Data requested in a ProvideMeterDataRequest).

## **Requested**

See Retail Electricity Market Procedures - Glossary and Framework

## **Required Time Frame**

See Retail Electricity Market Procedures - Glossary and Framework

## **Residential**

As defined in the NERL.

## **Response**

The information returned by an API after a request is made. Responses are usually in JSON or XML format.

## **Response Example**

The response example shows a sample response from the request example; the response schema defines all possible elements in the response. The response example is not comprehensive of all parameter configurations or operations, but it should correspond with the parameters passed in the request example. The response lets developers know if the resource contains the information they want, the format, and how that information is structured and labeled. The description of the response is known as the response schema. The response schema documents the response in a more comprehensive, general way, listing each property that could possibly be returned, what each property contains, the data format of the values, the structure, and other details.

**REST**

The Representational State Transfer API architecture

**Retail Electricity Market Procedures**

See Retail Electricity Market Procedures - Glossary and Framework

**Retrospective Change**

See Retail Electricity Market Procedures - Glossary and Framework

**Retrospective Days**

See Retail Electricity Market Procedures - Glossary and Framework

**Retrospective Period**

See Retail Electricity Market Procedures - Glossary and Framework

**Right**

Rights are a collection of entities and their associated access privileges. A right consists of information about various actions that an owner of a right can perform on each entity in the system. PAs can create and edit rights and allocate them to participant users in their company.

**RoC**

RoLR of Choice

**Role**

See Retail Electricity Market Procedures - Glossary and Framework

**Role Code**

See Retail Electricity Market Procedures - Glossary and Framework

**RoLR Effective Transfer Date**

See Retail Electricity Market Procedures - Glossary and Framework

**RoLR Event**

See Retail Electricity Market Procedures - Glossary and Framework

**RoLR Event Affected Jurisdiction**

See Retail Electricity Market Procedures - Glossary and Framework

**RoLR Event Affected MSATS Participant**

See Retail Electricity Market Procedures - Glossary and Framework

**RoLR Event Affected NMI**

See Retail Electricity Market Procedures - Glossary and Framework

**RoLR Key Contact**

See Retail Electricity Market Procedures - Glossary and Framework

**RoLR Post Implementation Review**

See Retail Electricity Market Procedures - Glossary and Framework

**RoLR Transition Period**

See Retail Electricity Market Procedures - Glossary and Framework

**Routine Testing**

See Retail Electricity Market Procedures - Glossary and Framework

**RP**

Responsible person (Meter Coordinator). The Role Code used in MSATS for an MC is RP.

**Rules**

The National Electricity Rules



## S

### **Sample Test Plan**

See Retail Electricity Market Procedures - Glossary and Framework

### **SCADA**

Supervisory Control and Data Acquisition

### **Scheduled Meter Reading**

See Retail Electricity Market Procedures - Glossary and Framework

### **Scheduled Reading Date**

See Retail Electricity Market Procedures - Glossary and Framework

### **Schema**

See aseXML Schema.

### **Second-Tier Controlled Load**

See Retail Electricity Market Procedures - Glossary and Framework

### **Second-Tier Non-Controlled Load**

See Retail Electricity Market Procedures - Glossary and Framework

### **Second Tier Customer**

End-use Customers who have transferred to a Retailer other than their Local Retailer.

### **Second Tier NMI**

See Retail Electricity Market Procedures - Glossary and Framework

**Self-accreditation**

Stage 1 and stage 2 self-accreditation testing

**Service Level Procedure (ENM)**

The Service Level Procedure: Embedded Network Managers.

**Service Level Procedure (MDP)**

The Service Level Procedure: Metering Data Provider Services. Details the requirements for the systems and processes for the collection, processing, and delivery of metering data by Metering Data Providers.

**Service Level Procedure (MP)**

The Service Level Procedure: Metering Provider Services Category B for Metering installation Types 1, 2, 3, 4, 5 and 6. Details the requirements for the provision, installation, and maintenance of metering installations by Metering Providers.

**Service Order**

See Retail Electricity Market Procedures - Glossary and Framework

**Service Order Process**

See Retail Electricity Market Procedures - Glossary and Framework

**Service Paperwork**

See Retail Electricity Market Procedures - Glossary and Framework

**Service Provider**

When used in a B2B Procedure, refers to the DNSP, MDP, or MPB.

**ServiceOrderRequest**

See Retail Electricity Market Procedures - Glossary and Framework

**ServiceOrderResponse**

See Retail Electricity Market Procedures - Glossary and Framework

**Set Participant**

Where a Participant User has user rights assigned by more than one participant ID, the Participant User can select the participant ID they want to represent using the Set Participant option in the web portals.

**Shared Market Protocol**

An initiative to provide a standard for communications to support smart meters. AEMO has extended AEMO's e-Hub functionality to support this initiative in line with the B2B Procedure: Technical Delivery Specifications.

**Site**

See Retail Electricity Market Procedures - Glossary and Framework

**SMP**

Shared Market Protocol

**SP**

Special Read

**Special Meter Reading**

See Retail Electricity Market Procedures - Glossary and Framework

**Special Read**

Advice from the new FRMP to the current MDP, advising arrangement of a B2B Service Order for a physical site visit for a Meter reading to facilitate an end-user transfer.

**Special Read Date**

See Retail Electricity Market Procedures - Glossary and Framework

**Special Site**

See Retail Electricity Market Procedures - Glossary and Framework

**Special Sites Document**

Special Sites and Technology Related Conditions within the National Electricity Market.

**Start Date**

See Retail Electricity Market Procedures - Glossary and Framework

**Stop File**

Created when the number of files within a queue exceeds the upper or lower limit. Once imposed no more processing on inbound transactions can occur until the number of files falls below the lower limit. Where a participant belongs to a group, the limits apply to the group not to the individual.

**Structured Address**

See Retail Electricity Market Procedures - Glossary and Framework

**Substitution**

See Retail Electricity Market Procedures - Glossary and Framework

**Super User Right**

System administrator right only assigned to AEMO system administrators.

**Superseded**

The participant can receive files compliant to the The participant can receive files compliant to the superseded aseXML version, and needs to change over their receiving system before the next aseXML version release.

**Supply Point**

A transmission, distribution, or consumer's supply point.

**Swagger**

Refers to the OpenAPI specification

**System Administrator**

The AEMO system administrator who maintains the PA right.

## T

### **TACK**

Transaction Acknowledgment. Participants receiving a transaction must ensure an ase:TransactionAcknowledgement is generated for every Business Document that passed validations associated with generating an ase:MessageAcknowledgement.

### **Technical Delivery Specification**

The B2B Procedures: Technical Delivery Specification. Defines the technical requirements for communicating B2B messages between participants using the MSATS B2B Handler or contingency systems.

### **Technical Guidelines**

Refers to the B2B Procedures: Technical Guidelines for B2B Procedures.

### **TI**

Trading Interval

### **Tier 1 Site**

See Retail Electricity Market Procedures - Glossary and Framework

### **Tier 2 Site**

See Retail Electricity Market Procedures - Glossary and Framework

### **Time Frame Rules**

See Retail Electricity Market Procedures - Glossary and Framework

### **Timing Period**

See Retail Electricity Market Procedures - Glossary and Framework

**Timing Point**

See Retail Electricity Market Procedures - Glossary and Framework

**Timing Requirement**

See Retail Electricity Market Procedures - Glossary and Framework

**TNI**

Transmission Node Identifier

**TNI Code**

See Retail Electricity Market Procedures - Glossary and Framework

**TNSP**

Transmission Network Service Provider

**Transaction Acknowledgement**

An aseXML realisation of a business acceptance/rejection.

**Transaction Group**

A procedure grouping similar B2B or B2M transactions.

**Transaction Message**

An aseXML realisation of a business document.

**Transaction Model**

The physical exchange of B2B messages to complete a B2B interaction.

**Transaction Priority**

An element in an aseXML message allowing the sender to indicate their preference in terms of timeliness of processing for the message contents. The three allowable values are "High", "Medium" and "Low". As used in terms such as Medium Priority or Low Priority.

**Transaction Protocol**

API or FTP

**Transaction Type Code**

See Retail Electricity Market Procedures - Glossary and Framework

**TUOS**

Transmission Use of System charge. Recovers the cost of installing and maintaining the transmission system for the NEM. AEMO is required by NER (Chapter 6A) to calculate TUOS prices and charges by 15 May each year.



## U

### **UFE**

Unaccounted for Energy

### **Uncontrolled Unmetered Device**

See Retail Electricity Market Procedures - Glossary and Framework

### **Unmetered Device**

See Retail Electricity Market Procedures - Glossary and Framework

### **Unmetered Load Guideline**

Unmetered Load Guideline

### **Unmetered Supply**

The consumption volume calculated for loads that have no meter (e.g. street lighting etc). Unmetered Metering Data for unmetered supply is submitted to MSATS as interval data (i.e. as if it was an interval type of metering installation).

### **Unstructured Address**

See Retail Electricity Market Procedures - Glossary and Framework

### **UOM**

Unit of measure data

### **Update Privilege**

The access right to update records represented by an entity.

### **Upper Limit**

The Upper Limit may increase near the end of the day due to Change Request limits relaxing.

**URM**

User Rights Management; see the Guide to User Rights Management on AEMO's website

**Usage Factor**

The method of identifying a given Data Stream's consumption in terms of its contribution to the overall sum of profile loads for a given date range.

**User Rights Access**

The Right a PA assigns to Participant Users to allow access to different areas of MSATS.

## **V**

### **Validated**

See Retail Electricity Market Procedures - Glossary and Framework

### **Validation**

See Retail Electricity Market Procedures - Glossary and Framework

### **VICAMI Meter**

See Retail Electricity Market Procedures - Glossary and Framework

### **VT**

Voltage transformer

## W

### **Web Services**

The transfer of aseXML transactions between participant gateways and the AEMO's market systems.

### **Wholesale Connection Point**

Connection points located at the transmission node representing bulk supply feeders to a distribution network, interconnectors, and generation points.

### **Wholesale Settlement Day**

A period of time constituting a day for the purposes of wholesale settlement. It is a 24 hour period beginning and ending at midnight Eastern Standard Time (EST).

### **WIGS**

Wholesale, Interconnector, Generator and Sample procedures contain the principles that govern the transfer of consumer settlements, the registration of metering installation, and management of standing data for NMI's that are classified as wholesale, interconnector, generator or sample.

### **WIGS Procedures**

MSATS Procedures: Procedure for the Management of Wholesale, Interconnector, Generator and Sample (WIGS) NMI's.

## X

### **XML**

eXtensible Markup Language.

### **xsd file**

Defines which elements and attributes are permitted in the schema and in which order.

## Z

### **Zip**

A file containing business data with filename extensions of .zip, are compressed, and contain one file with a filename extension of ..XML. The ..XML file contains the XML coded message data.