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Data Reporting Platform Implementation Guide

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1 INTRODUCTION

The document describes the details of flows supported by the PDR and the size of the incoming and outgoing files exchanged with the PDR participants.

2 DEFINITIONS AND ACRONYMS

2.1 Acronyms

Acronym	Description
PDR	Data Reporting Platform

3 Flows of data

The flows of data expected in the PDR consist of:

- **Download of report in the ACER format;**
- **Data Reporting to ACER;**
- **Upload of external data.**

The flow data provided by the participant depend on the service contracted with GME.

3.1 Download of report in the ACER format

For participants who have activated the Download service, GME generates the ACER Reports in the xml file format and saves them in the PDR section, accessible only to those participants with credentials.

The naming convention implemented for this information flow is:

YYYYMMDD_SCHEMANAME_SCHEMAVERSION_CODICEACER_MERCATO_IDGME.XML

Where:

- YYYYMMDD: flow data for the spot markets or the session for the forward markets:
 - YYYY: year of the date;
 - MM: month of the date;
 - DD: day of the date.
- SCHEMANAME: The name of the ACER diagram related to the file rejected, for example "REMITTable1";
- SCHEMAVERSION: Version of the ACER diagram related to the file rejected, for example "V1";
- CODICEACER: ACER code of the participant;
- MERCATO: ID of the GME market (i.e.: MGP, MI1, MI2, MI3, MI4, MI5, MTE, ...);
- IDGME: Unique numeric identifier for DATA, SCHEMANAME, SCHEMAVERSION, CODICEACER and MERCATO.

3.2 Data reporting to ACER

GME makes available, for every report sent to ACER, the XML file generated by the PDR for sending to ACER. This file is saved in the PDR section, accessible only to the participant via his/her/its credentials, according to the following naming convention:

YYYYMMDD_SCHEMANAME_SCHEMAVERSION_CODICEACER_MERCATO_IDGME.XML

Where:

- YYYYMMDD: flow data for the spot markets or the session for the forward markets:
 - YYYY: year of the date;
 - MM: month of the date;
 - DD: day of the date.
- SCHEMANAME: The name of the ACER diagram related to the file rejected, for example “REMITTable1”;
- SCHEMAVERSION: Version of the ACER diagram related to the file rejected, for example “V1”;
- CODICEACER: RRM code of GME;
- MERCATO: ID of the GME market (i.e.: MGP, MI1, MI2, MI3, MI4, MI5, MTE, ...);
- IDGME: Unique numeric identifier for DATA, SCHEMANAME, SCHEMAVERSION, CODICEACER e MERCATO.

and a compressed archive that contains the report sent to ACER, according to the ACER naming convention, and the relevant receipt.

The naming convention implemented for the compressed archive made available by GME is:

NomeFilePDR.zip

Where:

NomeFilePDR: File name generated by the PDR with the above naming convention.

The compressed archive contains:

1. The report submitted to ACER with the following naming convention:

YYYYMMDD_SCHEMANAME_SCHEMAVERSION_CODICEACER_IDGME.XML

Where:

- YYYYMMDD sending date to ACER:
 - YYYY: year of the date;
 - MM: month of the date;
 - DD: day of the date.
- SCHEMANAME: The name of the ACER diagram for the file submitted, for example “REMITTable1”;
- SCHEMAVERSION: Version of the ACER diagram for the file submitted, for example “V1”;
- CODICEACER: RRM code of GME;
- IDGME: Unique numeric identifier for DATA, SCHEMANAME, SCHEMAVERSION e CODICEACER.

2. The receipt of ACER, according to the XSD diagram prepared by ACER, with the following naming convention:

CODICEACER.XML

Where:

- CODICEACER: ACER code of the participant;

Limited to cases in which the ACER system discards the message and does not return then the above receipt, instead of the above file, the zip will contain the file:

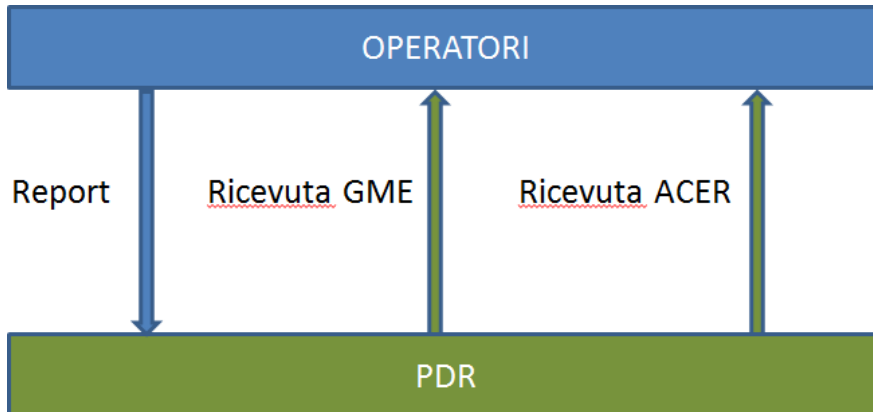
Receipt_YYYYMMDD_SCHEMANAME_SCHEMAVERSION_CODICEACER_IDGME.XML

Showing the reasons for the rejection of the file.

This service does not provide any flow of information from the participant to GME.

3.3 Upload of external data

The Upload of external data service provides for the following information flows:



The reports sent to the participants to the PDR, in ACER format, must follow the naming convention:

YYYYMMDD_SCHEMANAME_SCHEMAVERSION_CODICEACER_PROGRESSIVO.XML

Where:

- YYYYMMDD submission date:
 - YYYY: year of the date;
 - MM: month of the date;
 - DD: day of the date.
- SCHEMANAME: The name of the ACER diagram for the file submitted, for example "REMITTable1";
- SCHEMAVERSION: Version of the ACER diagram for the file submitted, for example "V1";
- CODICEACER: ACER code of the participant;
- PROGRESSIVO: Unique numeric progressive identifier for DATA, SCHEMANAME, SCHEMAVERSION and CODICEACER.

The PDR returns a GME receipt and an ACER receipt for each report submitted by the participant.

The naming convention implemented for the GME receipt is:

FA_NomeFileInviato.xml

Where:

- FA: fixed string;
- NomeFileInviato: Name of the file sent by the participant to which the receipt of GME refers.

The ACER receipt is available through a compressed archive in the PDR section, accessible only to the participant operator with his/her/its credentials adopting the following naming convention:

NomeFileInviato.zip

Where:

- NomeFileInviato: Name of the file sent by the participant to which the receipt of ACER refers.

containing:

1. The report submitted to ACER r with the following naming convention

YYYYMMDD_SCHEMANAME_SCHEMAVERSION_CODICEACER_IDGME.XML

Where:

- YYYYMMDD sending date to ACER:
 - YYYY: year of the date;
 - MM: month of the date;
 - DD: day of the date.
- SCHEMANAME: the name of the ACER diagram related to the file submitted, for example, "REMITTable1";
- SCHEMAVERSION: Version of the ACER diagram related to the file submitted, for example, "V1";
- CODICEACER: RRM code of GME;
- IDGME: Unique numeric identifier for DATA, SCHEMANAME, SCHEMAVERSION and CODICEACER.

2. The receipt of ACER, according to the XSD diagram prepared by ACER, with the following naming convention:

CODICEACER.XML

Where:

- CODICEACER: ACER code of the participant;

Limited to those cases in which the ACER system discards the message and does not return then the above receipt, instead of the above zip file, it will contain the file:

Receipt_YYYYMMDD_SCHEMANAME_SCHEMAVERSION_CODICEACER_IDGME.XML

Showing the reasons for the rejection of the file.

4 ACER diagrams supported

The ACER diagrams supported by the PDR are as follows:

- REMITTable1, versions V2 and V3;
- REMITTable2, version V1;
- ElectricityBid, version V1;
- ElectricityRights, version V1;
- ElectricityTotalAllocation, version V1;
- GasCapacity, versions V1, V2;

5 XSD diagrams

GME receipt

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!-- PIPE Functional Acknowledgement Schema -->
<!-- Apache Schema -->
<!-- $Revision: 2 $ -->
<!-- GME JSP -->
<!--Copyright (C) Excelegy Corporation, 1998-2003. All rights reserved. Excelegy is a registered trademark of Excelegy Corporation.-->
<schema targetNamespace="um:XML-PIPE" xmlns:pd="um:XML-PIPE" xmlns="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified">
  <include schemaLocation="SimpleTypesv1_0.xsd"/>
  <simpleType name="creationDateTimeType">
    <restriction base="integer">
      <minInclusive value="19000000000000"/>
      <maxInclusive value="21000000000000"/>
    </restriction>
  </simpleType>
  <simpleType name="statusTransactionType1">
    <restriction base="string">
      <enumeration value="Accept"/>
      <enumeration value="Reject"/>
    </restriction>
  </simpleType>
</schema>
```

```

</restriction>
</simpleType>
<!-- Body -->
<element name="PIPEFunctionalAcknowledgement">
  <complexType>
    <sequence>
      <element ref="pd:TradingPartnerDirectory"/>
      <element ref="pd:RejectInformation" minOccurs="0" maxOccurs="unbounded"/>
      <element ref="pd:TransactionAcknowledgement" minOccurs="0" maxOccurs="unbounded"/>
    </sequence>
    <attribute name="Version" type="string" use="required"/>
    <attribute name="ReferenceNumber" type="pd:lengthFortyType" use="required"/>
    <attribute name="OriginalReferenceNumber" type="pd:lengthFortyType" use="required"/>
    <attribute name="CreationDate" type="pd:creationDateTimeType" use="required"/>
    <attribute name="Status" type="pd:statusTransactionType1" use="required"/>
  </complexType>
</element>
<element name="TradingPartnerDirectory">
  <complexType>
    <sequence>
      <element ref="pd:Sender"/>
      <element ref="pd:Recipient"/>
    </sequence>
  </complexType>
</element>
<element name="Sender">
  <complexType>
    <sequence>
      <element ref="pd:TradingPartner"/>
    </sequence>
  </complexType>
</element>
<element name="Recipient">
  <complexType>
    <sequence>
      <element ref="pd:TradingPartner"/>
    </sequence>
  </complexType>
</element>
<element name="TradingPartner">
  <complexType>
    <sequence>
      <element name="CompanyName" type="pd:lengthSixtyType"/>
      <element name="CompanyIdentifier" type="pd:lengthEightyType"/>
      <element name="ApplicationName" type="pd:lengthSixtyType" minOccurs="0"/>
    </sequence>
    <attribute name="PartnerType" type="pd:partnerTypeType" use="required"/>
  </complexType>
</element>
<element name="RejectInformation">
  <complexType>
    <sequence>
      <element name="Reason" type="string"/>
      <element name="ReasonText" type="pd:length250Type" minOccurs="0"/>
    </sequence>
  </complexType>
</element>
<element name="TransactionAcknowledgement">
  <complexType>
    <sequence>
      <element ref="pd:RejectInformation" minOccurs="0" maxOccurs="unbounded"/>
    </sequence>
    <attribute name="OriginalReferenceNumber" type="pd:lengthThirtyFiveType" use="required"/>
    <attribute name="Status" type="pd:statusTransactionType" use="required"/>
    <attribute name="PIPTransactionType" type="pd:pipTransactionType" use="optional"/>
    <attribute name="MarketParticipantNumber" type="pd:lengthThirtyFiveType" use="optional"/>
  </complexType>
</element>
</schema>

```