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Data Reporting Platform Implementation Guide

Register of revisions

Rev.	Date	Proposal n.	Description
00	05/10/2015	n.a.	First release
01	23/02/2016		
02	16/11/2022		
03	16/05/2023		
04	01/10/2024		

SUMMARY

1 INTRODUCTION

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

2 DEFINITIONS AND ACRONYMSS

2.1 ACRONYMS

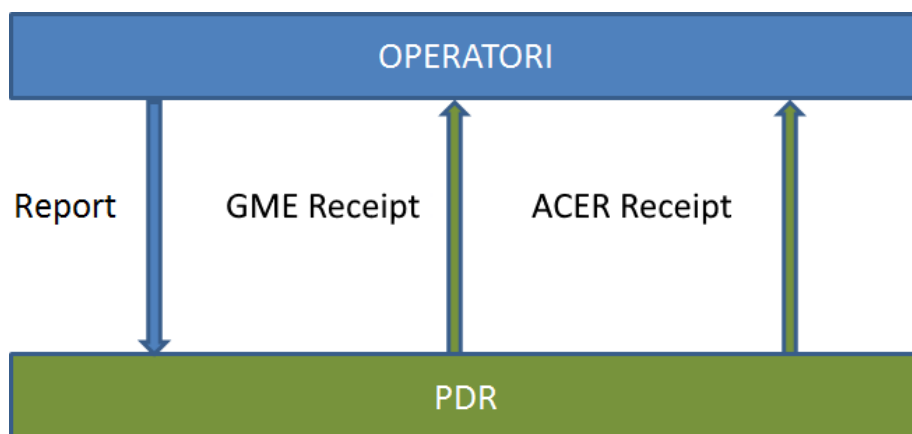| Acronym	Description
PDR	Data Reporting Platform

3 FLOWS OF DATA

The flows of data expected in the PDR consist of:

- Upload of external data and download of ACER receipts.

3.1 UPLOAD OF EXTERNAL DATA

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

The reports sent by 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 "V3";

- 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, "V3";

- CODICEACER: ACER code of GME as RRM;

- 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, version V3;

- REMITTable2, version V1;

- ElectricityBid, version V1;

- ElectricityRights, version V1;

- ElectricityTotalAllocation, version V1;

- GasCapacity, version V2.

5 XSD DIAGRAMS

<u>GME Receipt</u>

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<!-- PIPE Functional Acknowledgement Schema -->
<!-- Apache Schema -->
<!-- $Revision: 2 $ -->
<!-- GME JSP -->
<!--Copyright (C) Excelergy Corporation, 1998-2003. All rights reserved. Excelergy is a
registered trademark of Excelergy Corporation.-->
<schema targetNamespace="urn:XML-PIPE" xmlns:pd="urn: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"/>
                        <enumeration value="Partial"/>
                </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>
```

```xml
                    <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:pipTransctionType"
use="optional"/>
```

```
                        <attribute name="MarketParticipantNumber"
type="pd:lengthThirtyFiveType" use="optional"/>
                </complexType>
        </element>
</schema>
```