

IDENTIFICATIVO: PIP Implementation Guide ver. 2.3

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TIPO DOCUMENTO: Implementation Guide

APPLICAZIONE: G.M.E. S.p.A.

Inside Information Platform Implementation Guide

Revisions Register

Rev.	Date	Proposal n.	Description
00	15/12/2015	n.a.	First issue
01	10/09/2021	n.a.	XSD schemas for UMM Electricity and Gas aligned to version 2 of ACER
02	11/01/2023	n.a.	Divestment of XSD schema version 1 for UMM Electricity
03	01/10/2024	n.a.	Download your own UMM

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1 AIM OF THE DOCUMENT

PIP Application provides for the downloading and uploading of different information through various files in XML format; this document describes the transaction, in terms of formats, used within these files.

2 ENTRY FLOWS

Below please find the order to enter information:

1. Asset Electricity
2. Electricity UMM

1. Asset Gas
2. Gas UMM

1. Market Information

3 SCHEMAS FORMAT

This Implementation Guide details the various XSDs for each section of the website, in addition to the types allowed for each XSD. In addition, there are the prototypes of XML for submission to Gatherer with the explanation of each item and the modes to fill it out.

3.1 ELECTRICITYASSETMANAGEMENTFORMAT.XSD

```

<?xml version="1.0" encoding="iso-8859-1"?>
<xs:schema xmlns:tns="urn:XML-PIPE" elementFormDefault="qualified" targetNamespace="urn:XML-PIPE" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:include schemaLocation = "SimpleTypesv1_0.xsd"/>
  <xs:element name="PowerAssetManagement" type="tns:PowerAssetManagementFormat" />
  <xs:complexType name="PowerAssetManagementFormat">
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="actionType" type="tns:PipActions" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="capacity" nillable="true" type="tns:CapacityTag" />
      <xs:element minOccurs="0" maxOccurs="1" name="assetType" type="tns:lengthSixtyFourType_Base0" />
      <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="fuelType" type="tns:FuelType" />
      <xs:element minOccurs="0" maxOccurs="1" name="biddingZone" type="tns:lengthSixtyFourType_Base0" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ATC" nillable="true" type="tns:AtcTag" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="affectedAsset" nillable="true" type="tns:AffectedAssetTag" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="marketParticipant" nillable="true" type="tns:MarketParticipantTag" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="CapacityTag">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="unitMeasure" type="tns:unitMesPower" />
      <xs:element minOccurs="0" maxOccurs="1" name="installedCapacity" type="tns:lengthSixtyFourType_Base0" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="AffectedAssetTag">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="name" type="tns:lengthFiftyFourType_Base0" />
      <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="eic" type="tns:EicCode" />
      <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="description" type="tns:length128Type" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="AtcTag">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="biddingZoneFrom" type="tns:lengthSixtyFourType_Base0" />
    </xs:sequence>
  </xs:complexType>
</xs:schema>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="biddingZoneTo" type="tns:lengthSixtyFourType_Base0" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="MarketParticipantTag">
    <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="ace" type="tns:lengthSixtyFourType_Base0" />
    </xs:sequence>
</xs:complexType>
</xs:schema>

```

3.2 ELECTRICITYUMMMANAGEMENTFORMAT.XSD

```

<?xml version="1.0" encoding="iso-8859-1"?>
<xs:schema xmlns:tns="urn:XML-PIPE" elementFormDefault="qualified" targetNamespace="urn:XML-PIPE" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:include schemaLocation = "SimpleTypesv1_0.xsd"/>
    <xs:element name="PowerUmmManagement" type="tns:PowerUmmManagementFormat" />
    <xs:complexType name="PowerUmmManagementFormat">
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="actionType" type="tns:PipUmmActions" />
            <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="updateId" type="tns:numberType" />
            <xs:element minOccurs="0" maxOccurs="unbounded" name="eventInfo" nillable="true" type="tns:EventTag" />
            <xs:element minOccurs="0" maxOccurs="unbounded" name="capacity" nillable="true" type="tns:CapacityTag" />
            <xs:element minOccurs="0" maxOccurs="1" name="unavailabilityType" type="tns:lengthSixtyFourType_Base0" />
            <xs:element minOccurs="1" maxOccurs="1" name="unavailabilityReason" type="tns:lengthSixtyFourType" />
            <xs:element minOccurs="0" maxOccurs="1" name="remarks" type="tns:lengthFiveHundredType_Base0" />
            <xs:element minOccurs="0" maxOccurs="unbounded" name="affectedAsset" nillable="true" type="tns:AffectedAssetTag" />
            <xs:element minOccurs="0" maxOccurs="unbounded" name="marketParticipant" nillable="true" type="tns:MarketParticipantTag" />
            <xs:element minOccurs="0" maxOccurs="unbounded" name="marketParticipantNumber" nillable="true" type="tns:lengthThirtyType" />
            <xs:element minOccurs="1" maxOccurs="unbounded" name="capacityIntervals" nillable="false" type="tns:CapacityIntervallist" />
        </xs:sequence>
    </xs:complexType>
<xs:complexType name="EventTag">
    <xs:sequence>

```



```

        <xs:element minOccurs="0" maxOccurs="1" name="eventType" type="tns:EventTypeFormat" />
        <xs:element minOccurs="0" maxOccurs="1" name="eventStart" type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="eventStop" type="xs:dateTime" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="CapacityTag">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="unitMeasure" type="tns:unitMesPower" />
        <xs:element minOccurs="0" maxOccurs="1" name="installedCapacity" type="tns:floatType" />
        <xs:element minOccurs="0" maxOccurs="1" name="availableCapacity" type="tns:floatType" />
        <xs:element minOccurs="0" maxOccurs="1" name="unavailableCapacity" type="tns:floatType" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="AffectedAssetTag">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="name" type="tns:lengthSixtyFourType_Base0" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="MarketParticipantTag">
    <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="ace" type="tns:AcerCode" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="CapacityIntervallist">
    <xs:sequence>
        <xs:element name="CapacityInterval" minOccurs="1" maxOccurs="unbounded" type="tns:CapacityIntervalFormat"></xs:element>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="CapacityIntervalFormat">
    <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="intervalStart" type="xs:dateTime" />
        <xs:element minOccurs="1" maxOccurs="1" name="intervalStop" type="xs:dateTime" />
        <xs:element minOccurs="1" maxOccurs="1" name="unavailableCapacity" type="tns:floatType" />
        <xs:element minOccurs="1" maxOccurs="1" name="availableCapacity" type="tns:floatType" />
    </xs:sequence>

```

```

</xs:complexType>
<xs:simpleType name="EventTypeFormat">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Production unavailability"/>
    <xs:enumeration value="Transmission unavailability"/>
    <xs:enumeration value="Consumption unavailability"/>
    <xs:enumeration value="Other unavailability"/>
  </xs:restriction>
</xs:simpleType>
</xs:schema>

```

3.3 GASASSETMANAGEMENT.XSD

```

<?xml version="1.0" encoding="iso-8859-1"?>
<xs:schema xmlns:tns="urn:XML-PIPE" elementFormDefault="qualified" targetNamespace="urn:XML-PIPE" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:include schemaLocation="SimpleTypesv1_0.xsd"/>
  <xs:element name="GasAssetManagement" type="tns:GasAssetManagementFormat" />
  <xs:complexType name="GasAssetManagementFormat">
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="actionType" type="tns:PipActions" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="capacity" nillable="true" type="tns:CapacityTag" />
      <xs:element minOccurs="0" maxOccurs="1" name="assetType" type="tns:assetTypeGas" />
      <xs:element minOccurs="0" maxOccurs="1" name="balancingZone" type="tns:lengthSixtyFourType_Base0" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ATC" nillable="true" type="tns:AtcTag" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="affectedAsset" nillable="true" type="tns:AffectedAssetTag" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="marketParticipant" nillable="true" type="tns:MarketParticipantTag" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="CapacityTag">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="unitMeasure" type="tns:unitMesGas" />
      <xs:element minOccurs="0" maxOccurs="1" name="technicalCapacity" type="tns:lengthSixtyFourType_Base0" />
    </xs:sequence>
  </xs:complexType>
</xs:schema>

```

```

</xs:complexType>
<xs:complexType name="AffectedAssetTag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="name" type="tns:length Fifty FourType_Base0" />
    <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="eic" type="tns:EicCode" />
    <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="description" type="tns:length128Type" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="AtcTag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="balancingZoneFrom" type="tns:lengthSixtyFourType_Base0" />
    <xs:element minOccurs="0" maxOccurs="1" name="balancingZoneTo" type="tns:lengthSixtyFourType_Base0" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="MarketParticipantTag">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="ace" type="tns:lengthSixtyFourType_Base0" />
  </xs:sequence>
</xs:complexType>
</xs:schema>

```

3.4 GASUMMMANAGEMENTFORMAT.XSD

```

<?xml version="1.0" encoding="iso-8859-1"?>
<xs:schema xmlns:tns="urn:XML-PIPE" elementFormDefault="qualified" targetNamespace="urn:XML-PIPE" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:include schemaLocation="SimpleTypesv1_0.xsd"/>
  <xs:element name="GasUmmManagement" type="tns:GasUmmManagementFormat" />
  <xs:complexType name="GasUmmManagementFormat">
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="actionType" type="tns:PipUmmActions" />
      <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="updateId" type="tns:numberType" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="eventInfo" nillable="true" type="tns:EventTag" />
      <xs:element minOccurs="0" maxOccurs="unbounded" name="capacity" nillable="true" type="tns:CapacityTag" />
    </xs:sequence>
  </xs:complexType>
</xs:schema>

```

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```

<xs:element minOccurs="0" maxOccurs="1" name="unavailabilityType" type="tns:lengthSixtyFourType_Base0" />
<xs:element minOccurs="0" maxOccurs="1" name="unavailabilityReason" type="tns:lengthSixtyFourType" />
<xs:element minOccurs="0" maxOccurs="1" name="remarks" type="tns:lengthFiveHundredType_Base0" />
<xs:element minOccurs="0" maxOccurs="unbounded" name="affectedAsset" nillable="true" type="tns:AffectedAssetTag" />
<xs:element minOccurs="0" maxOccurs="unbounded" name="marketParticipant" nillable="true" type="tns:MarketParticipantTag" />
<xs:element minOccurs="0" maxOccurs="unbounded" name="marketParticipantNumber" nillable="true" type="tns:lengthThirtyType" />
<xs:element minOccurs="0" maxOccurs="1" name="direction" nillable="true" type="tns:Directions" />
</xs:sequence>
</xs:complexType>
<xs:complexType name="EventTag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="eventType" type="tns:EventTypeFormat" />
    <xs:element minOccurs="0" maxOccurs="1" name="eventStart" type="xs:dateTime" />
    <xs:element minOccurs="0" maxOccurs="1" name="eventStop" type="xs:dateTime" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="CapacityTag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="unitMeasure" type="tns:unitMesGas" />
    <xs:element minOccurs="0" maxOccurs="1" name="technicalCapacity" type="tns:floatType" />
    <xs:element minOccurs="0" maxOccurs="1" name="availableCapacity" type="tns:floatType" />
    <xs:element minOccurs="0" maxOccurs="1" name="unavailableCapacity" type="tns:floatType" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="AffectedAssetTag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="name" type="tns:lengthFiftyFourType_Base0" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="MarketParticipantTag">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="ace" type="tns:AcerCode" />
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="Directions">

```

```

    <xs:restriction base="xs:string">
      <xs:enumeration value="Entry"/>
      <xs:enumeration value="Exit"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="EventTypeFormat">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Offshore pipeline unavailability"/>
      <xs:enumeration value="Transmission system unavailability"/>
      <xs:enumeration value="Storage unavailability"/>
      <xs:enumeration value="Storage facility unavailability"/>
      <xs:enumeration value="Injection unavailability"/>
      <xs:enumeration value="Withdrawal unavailability"/>
      <xs:enumeration value="Gas treatment plant unavailability"/>
      <xs:enumeration value="Regasification plant unavailability"/>
      <xs:enumeration value="Compressor station unavailability"/>
      <xs:enumeration value="Gas production field unavailability"/>
      <xs:enumeration value="Import contract curtailment"/>
      <xs:enumeration value="Consumption unavailability"/>
      <xs:enumeration value="Other unavailability"/>
    </xs:restriction>
  </xs:simpleType>
</xs:schema>

```

3.5 MARKETINFORMATIONMANAGEMENT.XSD

```

<?xml version="1.0" encoding="iso-8859-1"?>
<xs:schema xmlns:tns="urn:XML-PIPE" elementFormDefault="qualified" targetNamespace="urn:XML-PIPE" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:include schemaLocation="SimpleTypesv1_0.xsd"/>
  <xs:element name="MarketInformationManagement" type="tns:MarketInformationManagementFormat" />
  <xs:complexType name="MarketInformationManagementFormat">
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="actionType" type="tns:PipUmmActions" />
    </xs:sequence>
  </xs:complexType>
</xs:schema>

```

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```

        <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="updateId" type="tns:numberType" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="eventInfo" nillable="true" type="tns:EventTag" />
        <xs:element minOccurs="0" maxOccurs="1" name="remarks" type="tns:lengthOneThousandType_Base0" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="marketParticipant" nillable="true" type="tns:MarketParticipantTag" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="EventTag">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="eventType" type="tns:length32Type_Base0" />
        <xs:element minOccurs="0" maxOccurs="1" name="eventStart" type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" nillable="true" name="eventStop" type="xs:dateTime" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="MarketParticipantTag">
    <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="ace" type="tns:lengthSixtyFourType_Base0" />
    </xs:sequence>
</xs:complexType>
</xs:schema>

```

3.6 UMMDOWNLOADMANAGEMENTFORMAT.XSD

```

<?xml version="1.0" encoding="iso-8859-1"?>
<xs:schema xmlns:tns="urn:XML-PIPE" elementFormDefault="qualified" targetNamespace="urn:XML-PIPE" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:include schemaLocation="SimpleTypesv1_0.xsd"/>
    <xs:element name="UmmDownloadManagement" type="tns:UmmDownloadManagementFormat" />
    <xs:complexType name="UmmDownloadManagementFormat">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="UMMType" type="tns:UmmTypeFormat" />
            <xs:element minOccurs="0" maxOccurs="1" name="UMMStatus" type="tns:UmmStatusFormat" />
            <xs:element minOccurs="0" maxOccurs="1" name="PublicationDate" type="tns:PublicationDateFormat" />
        </xs:sequence>
    </xs:complexType>

```

```

<xs:complexType name="UmmTypeFormat">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="PowerUMM">
      <xs:complexType >
        <xs:simpleContent>
          <xs:extension base="tns:int1Type">
            <xs:attribute name="Schema" type="tns:AcerSchemaVersionFormat" use="optional" default="V1" />
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
    <xs:element minOccurs="0" maxOccurs="1" name="GasUMM">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="tns:int1Type">
            <xs:attribute name="Schema" type="tns:AcerSchemaVersionFormat" use="optional" default="V1" />
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
    <xs:element minOccurs="0" maxOccurs="1" name="MI">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="tns:int1Type">
            <xs:attribute name="Schema" type="tns:AcerSchemaVersionFormat" use="optional" default="V1" />
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="UmmStatusFormat">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Active" type="tns:int1Type" />
    <xs:element minOccurs="0" maxOccurs="1" name="Inactive" type="tns:int1Type" />
  </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="Dismissed" type="tns:int1Type" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="PublicationDateFormat">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="From" type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="To" type="xs:dateTime" />
    </xs:sequence>
</xs:complexType>
</xs:schema>

```

3.7 SIMPLETYPESV1_0.XSD

The following file contains the definition of all not basic types used in the XSD schemas.

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
    targetNamespace = "urn:XML-PIPE"
    xmlns:pd = "urn:XML-PIPE"
    elementFormDefault="qualified">

<simpleType name="Actions">
    <restriction base="string">
        <enumeration value="Update" />
        <enumeration value="Insert" />
        <enumeration value="Delete" />
    </restriction>
</simpleType>

<simpleType name="PipActions">
    <restriction base="string">
        <enumeration value="New" />
        <enumeration value="REPLACE" />
    </restriction>

```

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```
        <enumeration value="REVOCA" />
    </restriction>
</simpleType>

<simpleType name="PipUmmActions">
    <restriction base="string">
        <enumeration value="New" />
        <enumeration value="REPLACE" />
        <enumeration value="REVOCA" />
        <enumeration value="Hide" />
        <enumeration value="Show" />
    </restriction>
</simpleType>

<simpleType name="numberType">
    <restriction base="integer">
        <minInclusive value="0"/>
        <maxInclusive value="999999"/>
    </restriction>
</simpleType>

<simpleType name="floatType">
    <restriction base="float">
        <minInclusive value="0"/>
        <maxInclusive value="999999"/>
    </restriction>
</simpleType>

<simpleType name="lengthSixtyFourType_Base0">
    <restriction base="string">
        <minLength value="0"/>
        <maxLength value="64"/>
    </restriction>
</simpleType>
```

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```
<simpleType name="creationDateTimeType">
  <restriction base="integer">
    <minInclusive value="19000000"/>
    <maxInclusive value="21000000000000"/>
  </restriction>
</simpleType>

<simpleType name="EicCode">
  <restriction base="string">
    <maxLength value="16"/>
    <minLength value="16"/>
    <pattern value="[0-9][0-9][XYZTUV].+"/>
  </restriction>
</simpleType>

<simpleType name="length32Type_Base0">
  <restriction base="string">
    <minLength value="0"/>
    <maxLength value="32"/>
  </restriction>
</simpleType>

<simpleType name="AcerCode">
  <restriction base="string">
    <maxLength value="12"/>
    <minLength value="12"/>
    <pattern value="[A-Za-z0-9_]+\.[A-Z][A-Z]"/>
  </restriction>
</simpleType>

<simpleType name="unitMesGas">
  <restriction base="string">
    <enumeration value="KWh/d"/>
    <enumeration value="KWh/h"/>
    <enumeration value="GWh/d"/>
  </restriction>
</simpleType>
```

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```

        <enumeration value="GWh/h"/>
        <enumeration value="GWh"/>
        <enumeration value="TWh"/>
        <enumeration value="mcm/d"/>
    </restriction>
</simpleType>

<simpleType name="unitMesPower">
    <restriction base="string">
        <enumeration value="MW"/>
    </restriction>
</simpleType>

<simpleType name="assetTypeGas">
    <restriction base="string">
        <enumeration value="Offshore pipeline"/>
        <enumeration value="Transmission system"/>
        <enumeration value="Storage"/>
        <enumeration value="Injection"/>
        <enumeration value="Withdrawal"/>
        <enumeration value="Gas treatment plant"/>
        <enumeration value="Regasification plant"/>
        <enumeration value="Compressor station"/>
        <enumeration value="Gas production field"/>
        <enumeration value="Import contract"/>
        <enumeration value="Consumption"/>
        <enumeration value="Other"/>
    </restriction>
</simpleType>

<simpleType name="FuelType">
    <restriction base="string">
        <enumeration value="Biomass"/>
        <enumeration value="Fossil Brown coal/Lignite"/>
        <enumeration value="Fossil Coal-derived gas"/>
    </restriction>
</simpleType>

```

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```

    <enumeration value="Fossil Gas"/>
    <enumeration value="Fossil Hard coal"/>
    <enumeration value="Fossil Oil"/>
    <enumeration value="Fossil Oil shale"/>
    <enumeration value="Fossil Peat"/>
    <enumeration value="Geothermal"/>
    <enumeration value="Hydro Pumped"/>
    <enumeration value="Storage"/>
    <enumeration value="Hydro Run-of-river and poundage"/>
    <enumeration value="Hydro Water Reservoir"/>
    <enumeration value="Marine"/>
    <enumeration value="Nuclear"/>
    <enumeration value="Other renewable"/>
    <enumeration value="Solar"/>
    <enumeration value="Waste"/>
    <enumeration value="Wind Offshore"/>
    <enumeration value="Wind Onshore"/>
    <enumeration value="Other"/>
  </restriction>
</simpleType>
<simpleType name="lengthTwoType">
  <restriction base="string">
    <minLength value="1"/>
    <maxLength value="2"/>
  </restriction>
</simpleType>
<simpleType name="AcerSchemaVersionFormat">
  <restriction base="string">
    <enumeration value="V1" />
    <enumeration value="V2" />
  </restriction>
</simpleType>
</schema>

```

4 XML TRANSACTIONS PROVIDED TO MARKET PARTICIPANTS

4.1 FUNCTIONAL ACKNOWLEDGMENT

4.1.1 POSITIVE FUNCTIONAL ACKNOWLEDGMENT

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<PIPEFunctionalAcknowledgement xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:XML-PIPE
PIPEFunctionalAcknowledgementv1_0.xsd" ReferenceNumber="4915622" CreationDate="20210112142611" Status="Accept" OriginalReferenceNumber="15183"
Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXX</CompanyName>
        <CompanyIdentifier> A000YYYYY.IT</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <TransactionAcknowledgement Status="Accept" PIPTransactionType="PowerUmmManagement" OriginalReferenceNumber="1" ThreadID="1_002"
MarketParticipantNumber="XXX" />
  <TransactionAcknowledgement Status="Accept" PIPTransactionType="PowerUmmManagement" OriginalReferenceNumber="2" ThreadID="2_001"
MarketParticipantNumber="YYY" />
</PIPEFunctionalAcknowledgement>
  
```

4.1.2 NEGATIVE FUNCTIONAL ACKNOWLEDGMENT

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<PIPEFunctionalAcknowledgement xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:XML-PIPE
PIPEFunctionalAcknowledgementv1_0.xsd" ReferenceNumber="4914287" CreationDate="20210106154643" Status="Reject" OriginalReferenceNumber="15131"
Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXX</CompanyName>
        <CompanyIdentifier>A000YYYYY.IT</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <TransactionAcknowledgement Status="Reject" PIPTransactionType="PowerUmmManagement" OriginalReferenceNumber="5184182" ThreadID=""
MarketParticipantNumber="XXX">
    <RejectInformation>
      <Reason>4270</Reason>
      <ReasonText>Error text description</ReasonText>
    </RejectInformation>
  </TransactionAcknowledgement>
  <TransactionAcknowledgement Status="Reject" PIPTransactionType="PowerUmmManagement" OriginalReferenceNumber="5184183" ThreadID=""
MarketParticipantNumber="YYY">
    <RejectInformation>
      <Reason>4270</Reason>
      <ReasonText>Error text description /ReasonText>
    </RejectInformation>
  </TransactionAcknowledgement>

```

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</PIPEFunctionalAcknowledgement>

4.1.3 FUNCTIONALACKNOWLEDGEMENT.XSD

```
<?xml version="1.0" encoding="iso-8859-1" ?>
<schema>
  xmlns="http://www.w3.org/2001/XMLSchema" targetNamespace="urn:XML-GM" xmlns:pd="urn:XML-GM" elementFormDefault="qualified">
  <include schemaLocation="BaseMessageTypes.xsd" />
  <include schemaLocation="Types.xsd" />
  <complexType name=" TransactionAcknowledgement ">
    <sequence>
      <element ref = "pd:RejectInformation" minOccurs="0" maxOccurs="unbounded"/>
    </sequence>
    <attribute name="TransactionType" type="pd:tyTransactionType" use="optional"/>
    <attribute name="Status" type="pd:tyTransactionStatus" use="required"/>
    <attribute name="PIPTransactionType" type="pd:tyTransactionType" use="optional"/>
    <attribute name="OriginalReferenceNumber" type="string" use="optional"/>
    <attribute name="ThreadID" type="string" use="optional"/>
    <attribute name="MarketParticipantNumber" type="string" use="optional"/>
    <attribute name="MPN" type="string" use="optional"/>
    <attribute name="XmlOrder" type="int" use="optional"/>
    <attribute name="RefId" type="int" use="optional"/>
  </complexType>
</schema>
```

5 DETAILS OF THE ASSETS

5.1 ASSET ELECTRICITY

5.1.1 SUBMITTING A Asset Electricity

```

<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2167"
CreationDate="20151127121925" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <PowerAssetManagement>
      <actionType>New</actionType>
      <capacity>
        <unitMeasure>MW</unitMeasure>
        <installedCapacity>10000</installedCapacity>
      </capacity>
      <assetType>Type of Asset, see the available values into type definition</assetType>
    </PowerAssetManagement>
  </PIPTransaction>
</PIPEDocument>
  
```

If Asset Type is Production use this syntax

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```
<fuelType>Biomass</fuelType>
<biddingZone>00Z0000000000003</biddingZone>
<ATC />
```

If Asset Type is Trasmission use this syntax

```
<ATC>
  <biddingZoneFrom>00Z0000000000001</biddingZoneFrom>
  <biddingZoneTo>00Z0000000000002</biddingZoneTo>
</ATC>
```

If Asset Type is different from Trasmission and Production use this syntax

```
<biddingZone>00Z0000000000003</biddingZone>
<ATC />

<affectedAsset>
  <name>ASSET_POWER_NAME</name>
  <eic>10Y1001A1001A877</eic>
  <description>AAA</description>
</affectedAsset>
<marketParticipant>
  <ace>A000000W.IT</ace>
</marketParticipant>
</PowerAssetManagement>
</PIPTransaction>
</PIPEDocument>
```

5.1.2 REPLACE A Asset Electricity

```
<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2167"
CreationDate="20151127121925" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <PowerAssetManagement>
      <actionType>REPLACE Oppure REVOCA</actionType>
      <capacity>
        <unitMeasure>MW</unitMeasure>
        <installedCapacity>10000</installedCapacity>
      </capacity>
      <assetType>Type of Asset, see the available values into type definition</assetType>
    </PowerAssetManagement>
  </PIPTransaction>
</PIPEDocument>
```

If Asset Type is Production use this syntax

```
<fuelType>Biomass</fuelType>
<biddingZone>00Z0000000000003</biddingZone>
<ATC />
```

If Asset Type is Trasmission use this syntax

```
<ATC>
  <biddingZoneFrom>00Z0000000000001</biddingZoneFrom>
  <biddingZoneTo>00Z0000000000002</biddingZoneTo>
</ATC>
```

If Asset Type is different from Trasmission and Production use this syntax

```
<biddingZone>00Z0000000000003</biddingZone>
<ATC />
<affectedAsset>
  <name>ASSET_POWER_NAME</name>
  <eic>10Y1001A1001A877</eic>
  <description>AAA</description>
</affectedAsset>
<marketParticipant>
  <ace>A0000000W.IT</ace>
</marketParticipant>
</PowerAssetManagement>
</PIPTransaction>
</PIPEDocument>
```

5.1.3 REVOCATING A Asset Electricity

```
<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2167"
CreationDate="20151127121925" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
```

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```

                <CompanyIdentifier>A000000W.IT</CompanyIdentifier>
            </TradingPartner>
        </Sender>
        <Recipient>
            <TradingPartner PartnerType="Operator">
                <CompanyName>Gme Energy Manager</CompanyName>
                <CompanyIdentifier>IDGME</CompanyIdentifier>
            </TradingPartner>
        </Recipient>
    </TradingPartnerDirectory>
    <PIPTransaction>
        <PowerAssetManagement>
            <actionType>REVOCA</actionType>
            <capacity>
                <unitMeasure>MW</unitMeasure>
                <installedCapacity>10000</installedCapacity>
            </capacity>
            <assetType>Type of Asset, see the available values into type definition</assetType>
        </PowerAssetManagement>
    </PIPTransaction>

```

If Asset Type is Production use this syntax

```

        <fuelType>Biomass</fuelType>
        <biddingZone>00Z0000000000003</biddingZone>
    </ATC />

```

If Asset Type is Trasmission use this syntax

```

    <ATC>
        <biddingZoneFrom>00Z0000000000001</biddingZoneFrom>
        <biddingZoneTo>00Z0000000000002</biddingZoneTo>
    </ATC>

```

If Asset Type is different from Trasmission and Production use this syntax

```

        <biddingZone>00Z0000000000003</biddingZone>
    </ATC />

```

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```

    <ATC />
    <affectedAsset>
      <name>ASSET_POWER_NAME</name>
      <eic>10Y1001A1001A877</eic>
      <description>AAA</description>
    </affectedAsset>
    <marketParticipant>
      <ace>A0000000W.IT</ace>
    </marketParticipant>
  </PowerAssetManagement>
</PIPTransaction>
</PIPEDocument>

```

5.2 ASSET GAS

5.2.1 SUBMITTING A Asset Gas

```

<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2181"
CreationDate="20151127124714" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A0000000Z.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
</PIPTransaction>

```

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```

<GasAssetManagement>
  <actionType>New</actionType>
  <capacity>
    <unitMeasure> Unit of Measurement, see the available values into type definition </unitMeasure>
    <technicalCapacity>1000</technicalCapacity>
  </capacity>
  <assetType>Type of Asset, see the available values into type definition</assetType>

```

If Asset Type is different from Trasmission use this syntax

```

<balancingZone>00Z0000000000003</balancingZone>
<ATC />

```

If Asset Type is Trasmission use this syntax

```

<ATC>
  <balancingZoneFrom>00Z0000000000001</balancingZoneFrom >
  <balancingZoneTo>00Z0000000000002</balancingZoneTo >
</ATC>

```

```

<affectedAsset>
  <name>ASSET_GAS_NAME</name>
  <eic>10Y1001A1001A81J</eic>
  <description>Test</description>
</affectedAsset>
<marketParticipant>
  <ace>A0000000Z.IT</ace>
</marketParticipant>
</GasAssetManagement>
</PIPTransaction>
</PIPEDocument>

```

5.2.2 REPLACING A Asset Gas

```
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2181"
CreationDate="20151127124714" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A000000Z.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <GasAssetManagement>
      <actionType>REPLACE </actionType>
      <capacity>
        <unitMeasure>KWh/d</unitMeasure>
        <technicalCapacity>1000</technicalCapacity>
      </capacity>
      <assetType>Type of Asset, see the available values into type definition</assetType>
    </GasAssetManagement>
  </PIPTransaction>
</PIPEDocument>
```

If Asset Type is different from Trasmission use this syntax

```
<balancingZone>00Z0000000000003</balancingZone>
<ATC />
```

If Asset Type is Trasmission use this syntax

```

    <ATC>
      <balancingZoneFrom>00Z0000000000001</balancingZoneFrom >
      <balancingZoneTo>00Z0000000000002</balancingZoneTo >
    </ATC>
    <affectedAsset>
      <name>ASSET_GAS_NAME</name>
      <eic>10Y1001A1001A81J</eic>
      <description>Test</description>
    </affectedAsset>
    <marketParticipant>
      <ace>A0000000Z.IT</ace>
    </marketParticipant>
  </GasAssetManagement>
</PIPTransaction>
</PIPEDocument>

```

5.2.3 REVOCATING A Asset Gas

```

<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2181"
CreationDate="20151127124714" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A0000000Z.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>

```

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```

    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <GasAssetManagement>
      <actionType>REVOCA</actionType>
      <capacity>
        <unitMeasure>KWh/d</unitMeasure>
        <technicalCapacity>1000</technicalCapacity>
      </capacity>
      <assetType>Type of Asset, see the available values into type definition</assetType>
    </GasAssetManagement>
  </PIPTransaction>
</PIPDocument>

```

If Asset Type is different from Transmission use this syntax

```

    <balancingZone>00Z0000000000003</balancingZone>
  <ATC />

```

If Asset Type is Transmission use this syntax

```

  <ATC>
    <balancingZoneFrom>00Z0000000000001</balancingZoneFrom >
    <balancingZoneTo>00Z0000000000002</balancingZoneTo >
  </ATC>
  <affectedAsset>
    <name>ASSET_GAS_NAME</name>
    <eic>10Y1001A1001A81J</eic>
    <description>Test</description>
  </affectedAsset>
  <marketParticipant>
    <ace>A000000Z.IT</ace>
  </marketParticipant>
</GasAssetManagement>
</PIPTransaction>
</PIPDocument>

```

6 MANAGING THE UMMs

6.1 ELECTRICITY UMM

6.1.1 SUBMITTING A Electricity UMM

```
<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2133"
CreationDate="20151124160030" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <PowerUmmManagement>
      <actionType>New</actionType>
      <updateId xsi:nil="true" />
      <eventInfo>
        <eventType>Trasmission unavailability</eventType>
        <eventStart>2015-11-24T15:02:02.299Z</eventStart>
        <eventStop>2015-11-28T11:00:00Z</eventStop>
      </eventInfo>
      <capacity>
        <unitMeasure>MW</unitMeasure>
      </capacity>
    </PowerUmmManagement>
  </PIPTransaction>
</PIPEDocument>
```

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```

        <installedCapacity>50000</installedCapacity>
        <availableCapacity>45000</availableCapacity>
        <unavailableCapacity>5000</unavailableCapacity>
    </capacity>
    <unavailabilityType>Planned/Unplanned</unavailabilityType>
    <unavailabilityReason>Text for Unavailability Reason</unavailabilityReason>
    <remarks>Text for describe UMM</remarks>
    <affectedAsset>
        <name>ASSET_POWER_NAME</name>
    </affectedAsset>
    <marketParticipant>
        <ace>A0000000W.IT</ace>
    </marketParticipant>
    <capacityIntervals>
        <CapacityInterval>
            <intervalStart>2021-07-11T02:00:00Z</intervalStart>
            <intervalStop>2021-07-12T00:00:00Z</intervalStop>
            <unavailableCapacity>10</unavailableCapacity>
            <availableCapacity>14.5</availableCapacity>
        </CapacityInterval>
        <CapacityInterval>
            <intervalStart>2021-07-14T02:00:00Z</intervalStart>
            <intervalStop>2021-07-19T12:00:00Z</intervalStop>
            <unavailableCapacity>21</unavailableCapacity>
            <availableCapacity>3.5</availableCapacity>
        </CapacityInterval>
    </capacityIntervals>
</PowerUmmManagement>
</PIPTransaction>
</PIPEDocument>

```

6.1.2 REPLACE A Electricity UMM

```

<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2133"
CreationDate="20151124160030" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <PowerUmmManagement>
      <actionType>REPLACE </actionType>
      <updateId>UMM ID to Update</updateId>
      <eventInfo>
        <eventType>Trasmission unavailability</eventType>
        <eventStart>2015-11-24T15:02:02.299Z</eventStart>
        <eventStop>2015-11-28T11:00:00Z</eventStop>
      </eventInfo>
      <capacity>
        <unitMeasure>MW</unitMeasure>
        <installedCapacity>50000</installedCapacity>
        <availableCapacity>45000</availableCapacity>
        <unavailableCapacity>5000</unavailableCapacity>
      </capacity>
    </PowerUmmManagement>
  </PIPTransaction>
</PIPEDocument>

```

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```

    <unavailabilityType>Planned/Unplanned</unavailabilityType>
    <unavailabilityReason>Text for Unavailability Reason</unavailabilityReason>
    <remarks>Text for describe UMM</remarks>
    <affectedAsset>
      <name>ASSET_POWER_NAME</name>
    </affectedAsset>
    <marketParticipant>
      <ace>A0000000W.IT</ace>
    </marketParticipant>
  </PowerUmmManagement>
</PIPTransaction>
</PIPEDocument>

```

6.1.3 REVOCATING A Electricity UMM

```

<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2133"
CreationDate="20151124160030" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>

```

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```

<PIPTransaction>
  <PowerUmmManagement>
    <actionType>REVOCA</actionType>
    <updateId>UMM ID to Update</updateId>
    <eventInfo>
      <eventType>Trasmission unavailability</eventType>
      <eventStart>2015-11-24T15:02:02.299Z</eventStart>
      <eventStop>2015-11-28T11:00:00Z</eventStop>
    </eventInfo>
    <capacity>
      <unitMeasure>MW</unitMeasure>
      <installedCapacity>50000</installedCapacity>
      <availableCapacity>45000</availableCapacity>
      <unavailableCapacity>5000</unavailableCapacity>
    </capacity>
    <unavailabilityType>Planned/Unplanned</unavailabilityType>
    <unavailabilityReason>Text for Unavailability Reason</unavailabilityReason>
    <remarks>Text for describe UMM</remarks>
    <affectedAsset>
      <name>ASSET_POWER_NAME</name>
    </affectedAsset>
    <marketParticipant>
      <ace>A0000000W.IT</ace>
    </marketParticipant>
  </PowerUmmManagement>
</PIPTransaction>
</PIPEDocument>

```

6.2 GAS UMM

6.2.1 SUBMITTING A Gas UMM

```
<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" ReferenceNumber="2050"
CreationDate="20151118143626" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <GasUmmManagement>
      <actionType>New</actionType>
      <updateId xsi:nil="true" />
      <eventInfo>
        <eventType>Offshore pipeline unavailability</eventType>
        <eventStart>2015-11-18T13:36:17.452Z</eventStart>
        <eventStop>2015-11-19T11:00:00Z</eventStop>
      </eventInfo>
      <capacity>
        <unitMeasure>Choose from the available unit type into the xsd definition</unitMeasure>
        <technicalCapacity>1000</technicalCapacity>
        <availableCapacity>500</availableCapacity>
      </capacity>
    </GasUmmManagement>
  </PIPTransaction>
</PIPEDocument>
```

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```

        <unavailableCapacity>500</unavailableCapacity>
    </capacity>
    <unavailabilityType>Planned/Unplanned</unavailabilityType>
    <unavailabilityReason>Text for Unavailability Reason </unavailabilityReason>
    <remarks>Text for describe UMM </remarks>
    <affectedAsset>
        <name>ASSET_GAS_NAME</name>
    </affectedAsset>
    <marketParticipant>
        <ace>A0000000W.IT</ace>
    </marketParticipant>
    <direction>Entry/Exit</direction>
</GasUmmManagement>
</PIPTransaction>
</PIPEDocument>

```

6.2.2 REPLACE A Gas UMM

```

<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" ReferenceNumber="2050"
CreationDate="20151118143626" Version="1.0" xmlns="urn:XML-PIPE">
    <TradingPartnerDirectory>
        <Sender>
            <TradingPartner PartnerType="Operator">
                <CompanyName>XXXXXXX S.P.A.</CompanyName>
                <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
            </TradingPartner>
        </Sender>
        <Recipient>
            <TradingPartner PartnerType="Operator">
                <CompanyName>Gme Energy Manager</CompanyName>
                <CompanyIdentifier>IDGME</CompanyIdentifier>
            </TradingPartner>
        </Recipient>
    </TradingPartnerDirectory>
</PIPEDocument>

```

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```

        </TradingPartner>
    </Recipient>
</TradingPartnerDirectory>
<PIPTransaction>
    <GasUmmManagement>
        <actionType>REPLACE</actionType>
        <updateId>UMM ID to Update</updateId>
        <eventInfo>
            <eventType>The 'Type of Event' details the subject of the unavailability. Se the xsd for the available values</eventType>
            <eventStart>2015-11-18T13:36:17.452Z</eventStart>
            <eventStop>2015-11-19T11:00:00Z</eventStop>
        </eventInfo>
        <capacity>
            <unitMeasure> Choose from the available unit type into the xsd definition </unitMeasure>
            <technicalCapacity>1000</technicalCapacity>
            <availableCapacity>500</availableCapacity>
            <unavailableCapacity>500</unavailableCapacity>
        </capacity>
        <unavailabilityType>Planned/Unplanned</unavailabilityType>
        <unavailabilityReason>Text for Unavailability Reason </unavailabilityReason>
        <remarks>Text for describe UMM </remarks>
        <affectedAsset>
            <name>ASSET_GAS_NAME</name>
        </affectedAsset>
        <marketParticipant>
            <ace>A0000000W.IT</ace>
        </marketParticipant>
        <direction>Entry/Exit</direction>
    </GasUmmManagement>
</PIPTransaction>
</PIPEDocument>

```

6.2.3 REVOCATING A Gas UMM

```
<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" ReferenceNumber="2050"
CreationDate="20151118143626" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <GasUmmManagement>
      <actionType>REVOCA</actionType>
      <updateId>UMM ID to Update</updateId>
      <eventInfo>
        <eventType>Offshore pipeline unavailability</eventType>
        <eventStart>2015-11-18T13:36:17.452Z</eventStart>
        <eventStop>2015-11-19T11:00:00Z</eventStop>
      </eventInfo>
      <capacity>
        <unitMeasure> Choose from the available unit type into the xsd definition </unitMeasure>
        <technicalCapacity>1000</technicalCapacity>
        <availableCapacity>500</availableCapacity>
        <unavailableCapacity>500</unavailableCapacity>
      </capacity>
    </GasUmmManagement>
  </PIPTransaction>
</PIPEDocument>
```

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```
<unavailabilityType>Planned/Unplanned</unavailabilityType>
<unavailabilityReason>Text for Unavailability Reason </unavailabilityReason>
<remarks>Text for describe UMM </remarks>
<affectedAsset>
  <name>ASSET_GAS_NAME</name>
</affectedAsset>
<marketParticipant>
  <ace>A0000000W.IT</ace>
</marketParticipant>
<direction>Entry/Exit</direction>
</GasUmmManagement>
</PIPTransaction>
</PIPEDocument>
```

6.3 MARKET INFORMATION

6.3.1 SUBMITTING A Market Information

```
<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2106"
CreationDate="20151118151802" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <MarketInformationManagement>
      <actionType>New</actionType>
      <updateId xsi:nil="true" />
      <eventInfo>
        <eventType>qqq</eventType>
        <eventStart>2015-11-18T14:19:15.776Z</eventStart>
        <eventStop>2015-11-19T11:00:00Z</eventStop>
      </eventInfo>
      <remarks>qqq</remarks>
      <marketParticipant>
        <ace>A0000000W.IT</ace>
      </marketParticipant>
    </MarketInformationManagement>
  </PIPTransaction>
</PIPEDocument>
```

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```

    </MarketInformationManagement>
  </PIPTransaction>
</PIPEDocument>

```

6.3.2 REPLACE A Market Information

```

<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2106"
CreationDate="20151118151802" Version="1.0" xmlns="urn:XML-PIPE">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXXXXXX S.P.A.</CompanyName>
        <CompanyIdentifier>A000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <MarketInformationManagement>
      <actionType>REPLACE</actionType>
      <updateId>Market Information ID to Update</updateId>
      <eventInfo>
        <eventType>qqq</eventType>
        <eventStart>2015-11-18T14:19:15.776Z</eventStart>
        <eventStop>2015-11-19T11:00:00Z</eventStop>
      </eventInfo>
      <remarks>qqq</remarks>
      <marketParticipant>

```

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```

        <ace>A0000000W.IT</ace>
    </marketParticipant>
</MarketInformationManagement>
</PIPTransaction>
</PIPEDocument>

```

6.3.3 REVOCATING A Market Information

```

<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ReferenceNumber="2106"
CreationDate="20151118151802" Version="1.0" xmlns="urn:XML-PIPE">
    <TradingPartnerDirectory>
        <Sender>
            <TradingPartner PartnerType="Operator">
                <CompanyName>XXXXXXX S.P.A.</CompanyName>
                <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
            </TradingPartner>
        </Sender>
        <Recipient>
            <TradingPartner PartnerType="Operator">
                <CompanyName>Gme Energy Manager</CompanyName>
                <CompanyIdentifier>IDGME</CompanyIdentifier>
            </TradingPartner>
        </Recipient>
    </TradingPartnerDirectory>
    <PIPTransaction>
        <MarketInformationManagement>
            <actionType>REVOCA</actionType>
            <updateId>Market Information ID to Update</updateId>
            <eventInfo>
                <eventType>qqq</eventType>
                <eventStart>2015-11-18T14:19:15.776Z</eventStart>
                <eventStop>2015-11-19T11:00:00Z</eventStop>
            </eventInfo>
        </MarketInformationManagement>
    </PIPTransaction>
</PIPEDocument>

```

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```

        <remarks>qqq</remarks>
        <marketParticipant>
            <ace>A0000000W.IT</ace>
        </marketParticipant>
    </MarketInformationManagement>
</PIPTransaction>
</PIPEDocument>

```

6.4 DOWNLOAD UMM

6.4.1 REQUEST

XML example to submit to the platform for downloading your own UMM.

```

<?xml version="1.0" encoding="iso-8859-1"?>
<PIPEDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" ReferenceNumber="7198"
CreationDate="20240508164513" xmlns="urn:XML-PIPE">
    <TradingPartnerDirectory>
        <Sender>
            <TradingPartner PartnerType="Operator">
                <CompanyName>XXX SPA</CompanyName>
                <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
            </TradingPartner>
        </Sender>
        <Recipient>
            <TradingPartner PartnerType="Operator">
                <CompanyName>Gme Energy Manager</CompanyName>
                <CompanyIdentifier>IDGME</CompanyIdentifier>
            </TradingPartner>
        </Recipient>
    </TradingPartnerDirectory>
</PIPTransaction>
    <UmmDownloadManagement>

```

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```
<UMMType>
  <PowerUMM Schema="V2">1</PowerUMM>
  <GasUMM Schema="V2">1</GasUMM>
  <MI Schema="V1">1</MI>
</UMMType>
<UMMStatus>
  <Active>1</Active>
  <Inactive>1</Inactive>
  <Dismissed>1</Dismissed>
</UMMStatus>
<PublicationDate>
  <From>2024-01-01T00:00:00Z</From>
  <To>2024-01-02T00:00:00Z</To>
</PublicationDate>
</UmmDownloadManagement>
</PIPTransaction>
</PIPEDocument>
```


6.4.2 RESPONSE

If the value of the Schema attribute is V2, for Electricity (Power) or Gas, the result will be an xml compliant with the ACER schema version V2. For the Market Information section, the generated xml will be always compliant to ACER schema version V1.

```
<?xml version="1.0" encoding="utf-8"?>
<PIPEDocument xmlns="urn:XML-PIPE" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
ReferenceNumber="88532" CreationDate="20240807145440" Version="1.0">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme Energy Manager</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXX SPA</CompanyName>
        <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <OriginalReferenceNumber>185597</OriginalReferenceNumber>

    <PowerUmmExport xmlns="">
      <REMITUrgentMarketMessages xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns="http://www.acer.europa.eu/REMIT/REMITUMMElectricitySchema_V2.xsd">
        <UMM>
          <messageId>00000000000000000000000017801_002</messageId>
          <event>
            <eventStatus>Dismissed</eventStatus>
            <eventType>Production unavailability</eventType>
          </event>
        </UMM>
      </REMITUrgentMarketMessages>
    </PowerUmmExport>
  </PIPTransaction>
</PIPEDocument>
```

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```

        <eventStart>2024-01-16T18:00:00</eventStart>
        <eventStop>2024-01-16T21:59:58</eventStop>
    </event>
    <unavailabilityType>Planned</unavailabilityType>
    <publicationDateTime>2024-01-01T09:36:29.543</publicationDateTime>
    <capacity>
        <unitMeasure>MW</unitMeasure>
        <installedCapacity>350</installedCapacity>
        <capacityInterval>
            <intervalStart>2024-01-16T18:00:00</intervalStart>
            <intervalStop>2024-01-16T21:59:58</intervalStop>
            <unavailableCapacity>169.0000</unavailableCapacity>
            <availableCapacity>0.0000</availableCapacity>
        </capacityInterval>
        <capacityInterval>
            <intervalStart>2024-01-15T19:00:00</intervalStart>
            <intervalStop>2024-01-16T18:14:59</intervalStop>
            <unavailableCapacity>178.0000</unavailableCapacity>
            <availableCapacity>0.0000</availableCapacity>
        </capacityInterval>
    </capacity>
    <unavailabilityReason>PLANNED UNAVAILABILITY</unavailabilityReason>
    <remarks>PLANNED UNAVAILABILITY</remarks>
    <biddingZone>10Y1001A1001XXX</biddingZone>
    <affectedAsset>
        <name xmlns="http://www.acer.europa.eu/REMIT/REMITUMMCommonSchema_V1.xsd">UP_XXX_1</name>
    </affectedAsset>
    <marketParticipant>
        <name xmlns="http://www.acer.europa.eu/REMIT/REMITUMMCommonSchema_V1.xsd">XXX SPA</name>
        <ace xmlns="http://www.acer.europa.eu/REMIT/REMITUMMCommonSchema_V1.xsd">A0000000W.IT</ace>
    </marketParticipant>
</UMM>
</REMITUrgentMarketMessages>
</PowerUmmExport>

```


Below you can find the xml generated for Gas and Electricity (Power) when in the “Schema” attribute will be specified the value “V1” (or if the attribute is omitted). These are similar with the xml generated by the exportation functionality of the platform.

```
<?xml version="1.0" encoding="utf-8"?>
<PIPEDocument xmlns="urn:XML-PIPE" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
ReferenceNumber="5259479" CreationDate="20240820085830" Version="1.0">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner PartnerType="Operator">
        <CompanyName>Gme</CompanyName>
        <CompanyIdentifier>IDGME</CompanyIdentifier>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner PartnerType="Operator">
        <CompanyName>XXX SPA.</CompanyName>
        <CompanyIdentifier>A0000000W.IT</CompanyIdentifier>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <PIPTransaction>
    <OriginalReferenceNumber>5855999</OriginalReferenceNumber>
    <PowerUmmExport>
      <PowerUmm>
        <actionType>Export</actionType>
        <AcerId>00000000000000000000000017802_002</AcerId>
        <marketPartecipantNumber>XYZ_003</marketPartecipantNumber>
        <eventInfo>
          <eventStatus>Inactive</eventStatus>
          <eventType>Production unavailability</eventType>
          <publicationDate>2024-01-18T13:44:43Z</publicationDate>
          <eventStart>2024-01-15T19:00:00Z</eventStart>
          <eventStop>2024-01-16T18:14:59Z</eventStop>
        </eventInfo>
      </PowerUmm>
    </PowerUmmExport>
  </PIPTransaction>
</PIPEDocument>
```

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```

    <capacity>
      <unitMeasure>4</unitMeasure>
      <installedCapacity>281</installedCapacity>
      <availableCapacity>0</availableCapacity>
      <unavailableCapacity>169</unavailableCapacity>
    </capacity>
    <unavailabilityType>PLANNED</unavailabilityType>
    <unavailabilityReason>PLANNED UNAVAILABILITY</unavailabilityReason>
    <remarks />
    <affectedAsset>
      <name>UP_BARGI_CEN_1</name>
      <countryCode>IT</countryCode>
      <biddingZone>NORD</biddingZone>
    </affectedAsset>
  </PowerUmm>
</PowerUmmExport>
<GasUmmExport>
  <GasUmm>
    <actionType>Export</actionType>
    <AcerId>000000000000000000000009_001</AcerId>
    <marketParticipantNumber />
    <eventInfo>
      <eventStatus>Inactive</eventStatus>
      <eventType>Regasification plant unavailability</eventType>
      <publicationDate>2023-11-21T08:37:25Z</publicationDate>
      <eventStart>2023-11-01T00:00:00Z</eventStart>
      <eventStop>2023-11-01T00:00:00Z</eventStop>
    </eventInfo>
    <capacity>
      <unitMeasure>KWh/d</unitMeasure>
      <technicalCapacity>21.72</technicalCapacity>
      <availableCapacity>20.72</availableCapacity>
      <unavailableCapacity>1</unavailableCapacity>
    </capacity>
    <unavailabilityType>PLANNED</unavailabilityType>
  </GasUmm>
</GasUmmExport>

```

```
<unavailabilityReason>yyy</unavailabilityReason>
<remarks>zzz</remarks>
<affectedAsset>
  <name>YYY Terminal</name>
  <countryCode>IT</countryCode>
  <balancingZone>AAA</balancingZone>
</affectedAsset>
</GasUmm>
</GasUmmExport>
</PIPTransaction>
</PIPEDocument>
```