IDENTIFICATIVO: **PIP Implementation Guide ver. 2.0**

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TIPO DOCUMENTO: **Implementation Guide**

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

Piattaforma Informazioni Privilegiate Implementation Guide

Registro delle Revisioni

Rev.	Data	Proposta n.	Descrizione
00	15/12/2015	n.a.	Prima emissione
01	10/09/2021	n.a	Adeguamento degli schemi XSD UMM Power e GAS alla versione 2 di ACER
02	10/03/2022	n.a.	Dismissione dello schema XSD V1 per UMM Power

Sommario

Contents

INTRODUZIONE

SCOPO DEL DOCUMENTO

L'Applicazione PIP mette a disposizione per il download e l'upload diverse informazioni mediante files in formato xml; questo documento descrive le transazioni, in termini di formati, utilizzate all'interno di tali files.

FLUSSI DI INSERIMENTO
Di seguito l'ordine di inserimento delle informazioni:

1. Asset Power
2. UMM Power

1. Asset Gas
2. UMM Gas

1. Market Information

FORMATO DEGLI SCHEMI

All'interno di questa Implementation Guide vengono presentati gli XSD distinti per ogni sezione del sito, oltre ai tipi consentiti per ogni singolo Xsd. In più sono presenti i prototipi degli Xml da sottomettere al Gatherer con la spiegazione di ogni voce e le modalità per compilare la medesima.

GasAssetManagement.XSD

```xml
<?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">
```

```xml
            <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:complexType name="AffectedAssetTag">
            <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="name" type="tns:lengthSixtyFourType_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>
```

PowerAssetManagementFormat.XSD

```xml
<?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"/>
```

```xml
<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:lengthSixtyFourType_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: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>
```

GasUmmManagementFormat.XSD

```xml
<?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: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:lengthSixtyFourType_Base0" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="MarketParticipantTag">
    <xs:sequence>
```

```xml
            <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>
```

PowerUmmManagementFormat.XSD

```xml
<?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="0" maxOccurs="1" name="unavailabilityReason" type="tns:lengthSixtyFourType" />
                        <xs:element minOccurs="0" maxOccurs="1" name="remarks" type="tns:lengthFiveHundredType_Base0" />
```

```xml
                        <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="0" 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>
```

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: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>
```

Il seguente file contiene la definizione di tutti i tipi non base utilizzati negli schemi xsd. Il suo namespace XML-PIPE permette l'accesso dagli altri file senza che esso sia referenziato.

SimpleTypesv1_0.XSD

```xml
<?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" />
    <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>
```

```xml
<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>

<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][XYZTWV].+"/>
  </restriction>
</simpleType>

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

```xml
<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"/>
    <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>
```

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

</schema>
```

Transazioni xml messe a disposizione degli operatori

Functional acknowledgment

Functional acknowledgment positivo

```xml
<?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>
```

Functional acknowledgment negativo

```xml
<?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">
```

```xml
        <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>
</PIPEFunctionalAcknowledgement>
```

FUNCTIONALACKNOWLEDGEMENT.XSD

```xml
<?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"/>
```

```xml
            <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>
```

ANAGRAFICA DEGLI ASSET

SOTTOMISSIONE DI UN Asset Gas

```xml
<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>
    <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>
```

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

REPLACE DI UN Asset Gas

```xml
<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>
    <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>

        If Asset Type is different from Trasmission use this sintax
```

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

        If Asset Type is Trasmission use this sintax

        <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>
```

REVOCA DI UN Asset Gas

```xml
<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>
    <GasAssetManagement>
      <actionType>REVOCA</actionType>
      <capacity>
```

```xml
      <unitMeasure>KWh/d</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 sintax

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

    If Asset Type is Trasmission use this sintax

    <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>
```

SOTTOMISSIONE DI UN Asset Power

```xml
<?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>A0000000W.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>

       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

```xml
        <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>
```

REPLACE DI UN Asset Power

```xml
<?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>A0000000W.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>
```

```xml
            <installedCapacity>10000</installedCapacity>
        </capacity>
        <assetType>Type of Asset, see the available values into type definition</assetType>

         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>
```

REVOCA DI UN Asset Power

```xml
<?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>
```

```xml
          <CompanyIdentifier>A0000000W.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>

     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>
```

```xml
            </marketParticipant>
        </PowerAssetManagement>
    </PIPTransaction>
</PIPEDocument>
```

GESTIONE DEGLI UMM

SOTTOMISSIONE DI UN UMM Gas

```xml
<?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>
  <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>
        <unavailableCapacity>500</unavailableCapacity>
      </capacity>
      <unavailabilityType>Planned/Unplanned</unavailabilityType>
      <unavailabilityReason>Text for Unavailability Reason </unavailabilityReason>
      <remarks>Text for describe UMM </remarks>
      <affectedAsset>
```

```xml
          <name>ASSET_GAS_NAME</name>
        </affectedAsset>
        <marketParticipant>
          <ace>A0000000W.IT</ace>
        </marketParticipant>
        <direction>Entry/Exit</direction>
      </GasUmmManagement>
    </PIPTransaction>
</PIPEDocument>
```

REPLACE DI UN UMM Gas

```xml
<?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>
  <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>
```

```xml
      <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>
```

REVOCA DI UN UMM Gas

```xml
<?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>
  <PIPTransaction>
    <GasUmmManagement>
      <actionType>REVOCA</actionType>
      <updateId>UMM ID to Update</updateId>
```

```xml
    <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>
    <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>
    </GasUmmManagement>
  </PIPTransaction>
</PIPEDocument>
```

SOTTOMISSIONE DI UN UMM Power

```xml
<?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>
```

```xml
      </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>
          <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>
```

REPLACE DI UN UMM Power

```xml
<?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>
      <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>
```

REVOCA DI UN UMM Power

```xml
<?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>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>
```

```xml
        </affectedAsset>
        <marketParticipant>
          <ace>A0000000W.IT</ace>
        </marketParticipant>
      </PowerUmmManagement>
    </PIPTransaction>
  </PIPEDocument>
```

SOTTOMISSIONE DI UNA Market INFORMATION

```xml
<?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>
```

REPLACE DI UNA Market INFORMATION

```xml
<?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>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>
        <ace>A0000000W.IT</ace>
      </marketParticipant>
    </MarketInformationManagement>
  </PIPTransaction>
</PIPEDocument>
```

REVOCA DI UNA Market INFORMATION

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