SOMMARIO

INTRODUZIONE

SCOPO DEL DOCUMENTO

L'Applicazione MT-GAS 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.

APPLICABILITÀ

Questo documento contiene il file Excel che descrive le transazioni XML di scambio dati supportate dall'Applicazione MT-GAS.

FORMATO DEGLI SCHEMI

All'interno della di questa Implementation Guide vengono presentati gli XSD distinti per ogni tipo transazione.

Utilizzando opportunamente l'istruzione "include" è possibile ottenere lo schema *GMMessage (nello schema contenitore GMBaseMessage)* che

richiama gli xsd specifici di ogni transazione coinvolta nell'applicazione.

Di conseguenza gi esempi indicati nei capitoli successivi mostrano l'xsd della singola transazione e un esempio completo di file.

GMBaseMessage.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" />
        <element name="Message">
                <complexType>
                        <sequence>
                                <element ref="pd:tyVersion"  minOccurs="0" maxOccurs="1"/>
                                <element name="Header" type="pd:tyHeader" minOccurs="1" maxOccurs="1" />
                                <choice>
                                        <element ref="pd:Transaction" minOccurs="1" maxOccurs="unbounded"/>
                                        <element name="Error" type="pd:tyError" minOccurs="1" maxOccurs="unbounded" />
                                </choice>
                        </sequence>
                        <attribute name="MessageCode" type="int" use="optional" />
                        <attribute name="MessageType" type="pd:tyMessageType" use="optional" />
                        <attribute name="MessageDate" type="date" use="required" />
                        <attribute name="MessageTime" type="time" use="optional" />
                        <!-- Response -->
                        <attribute name="ResponseReferenceMessageCode" type="int" use="optional" />
                        <attribute name="ResponseMessageStatus" type="pd:tyMessageStatus" use="optional" />
                </complexType>
        </element>
        <element name="TransactionDetail" abstract="true" />
        <element name="Transaction">
                <complexType>
                        <choice>
                                <element ref="pd:TransactionDetail" minOccurs="1" maxOccurs="1" />
                        </choice>
                        <attribute name="MPN" type="pd:tyExternalReferenceNumber" use="optional" />
                        <!-- Response -->
                        <attribute name="ResponseTransactionStatus" type="pd:tyTransactionStatus" use="optional" />
                        <attribute name="ResponseProcessingTime" type="dateTime" use="optional" />
                        <attribute name="ResponseReferenceTransactionCode" type="int" use="optional" />
                        <attribute name="ReferenceTransactionCode" type="int" use="optional" />
                </complexType>
        </element>
        <element name="tyVersion" abstract="true" type="string" />
</schema>
```

GMMESSAGE.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"
        xmlns:NameSpace1="http://www.w3.org/2001/XMLSchema"
        elementFormDefault="qualified">
    <include schemaLocation="Parameters.xsd" />
    <include schemaLocation="GMBaseMessage.xsd" />
    <include schemaLocation="GMMarketPlayer.xsd" />
    <include schemaLocation="FunctionalAcknowledgement.xsd" />
    <include schemaLocation="GMUsers.xsd" />
    <include schemaLocation="GMUserInformations.xsd" />
    <include schemaLocation="GMOffer.xsd"      />
    <include schemaLocation="GMSessions.xsd"  />
    <include schemaLocation="GMOfferChangeStatus.xsd"    />
    <include schemaLocation="GMMarketPlayerInformations.xsd" />
    <include schemaLocation="GMProducts.xsd" />
    <include schemaLocation="BN.xsd" />
    <include schemaLocation="MBBN.xsd" />
    <include schemaLocation="MR.xsd" />
    <include schemaLocation="MBMR.xsd" />
    <include schemaLocation="ZonalMR.xsd" />
    <include schemaLocation="SessionResult.xsd" />
    <include schemaLocation="MarketPlayerResult.xsd" />
    <include schemaLocation="GMMarketPlayersAccount.xsd" />
    <include schemaLocation="GMAccountActivity.xsd" />
    <include schemaLocation="SNAMPSVItem.xsd" />
    <include schemaLocation="SNAMMarginItem.xsd" />
    <include schemaLocation="GMMarketPlayerMarketInformation.xsd" />
    <include schemaLocation="GMMarketPlayerMarketEnablingInformation.xsd" />
    <include schemaLocation="GMOfferPointMarketEnablingInformation.xsd" />
    <include schemaLocation="GMInterZoneDetailsInformation.xsd" />
    <include schemaLocation="GMOfferPointProxiesInformation.xsd" />
    <include schemaLocation="GMOfferPointMarginsInformation.xsd" />
    <include schemaLocation="WarrantyVectorInformation.xsd"></include>
    <include schemaLocation="GMUserMarketInformation.xsd" />
    <include schemaLocation="StorageOperatorEnabling.xsd"></include>
    <include schemaLocation="GMSettlementAction.xsd" />
    <include schemaLocation="DefaultPrices.xsd"></include>
    <include schemaLocation="SNAMWarrantyItem.xsd"></include>
```

```xml
<include schemaLocation="DN.xsd"></include>
<include schemaLocation="GMManualSNAMFileGeneration.xsd"></include>
<include schemaLocation="GMHolidays.xsd"></include>
<include schemaLocation="OfferPoints.xsd"></include>
<include schemaLocation="GMZones.xsd"></include>
<include schemaLocation="GMMarketPlayerSellLimitsInformation.xsd"></include>
<include schemaLocation="GMMarketPlayerMarginsInformation.xsd" />
<include schemaLocation="DisputeMessages.xsd"></include>
<include schemaLocation="DisputeTopics.xsd"></include>
<include schemaLocation="OMQDelivery.xsd"></include>
<include schemaLocation="OMQDeliveryNotification.xsd"></include>

<element name="Version" substitutionGroup="pd:tyVersion" type="string" />
<element name="MarketPlayer" substitutionGroup="pd:TransactionDetail" type="pd:MarketPlayers" />
<element name="MarketPlayerInformation" substitutionGroup="pd:TransactionDetail" type="pd:MarketPlayerInformations" />
<element name="User" substitutionGroup="pd:TransactionDetail" type="pd:Users" />
<element name="UserInformation" substitutionGroup="pd:TransactionDetail" type="pd:UserInformations" />
<element name="UserMarketInformation" substitutionGroup="pd:TransactionDetail" type="pd:UserMarketInformation" />
<element name="Offer" substitutionGroup="pd:TransactionDetail" type="pd:Offers" />
<element name="OfferChangeStatus" substitutionGroup="pd:TransactionDetail" type="pd:OffersChangeStatus" />
<element name="Session" substitutionGroup="pd:TransactionDetail" type="pd:Sessions" />
<element name="Product" substitutionGroup="pd:TransactionDetail" type="pd:Products" />
<element name="Parameter" substitutionGroup="pd:TransactionDetail" type="pd:Parameters" />
<element name="FunctionalAcknowledgement" substitutionGroup="pd:TransactionDetail" type="pd:FunctionalAcknowledgements" />
<element name="BN" substitutionGroup="pd:TransactionDetail" type="pd:BNs" />
<element name="DN" substitutionGroup="pd:TransactionDetail" type="pd:DNs" />
<element name="MBBN" substitutionGroup="pd:TransactionDetail" type="pd:MBBNs" />
<element name="SessionResult" substitutionGroup="pd:TransactionDetail" type="pd:SessionResults" />
<element name="MarketPlayerResult" substitutionGroup="pd:TransactionDetail" type="pd:MarketPlayerResults" />
<element name="MarketPlayersAccount" substitutionGroup="pd:TransactionDetail" type="pd:MarketPlayerAccounts" />
<element name="MarketPlayerMarketInformation" substitutionGroup="pd:TransactionDetail" type="pd:MarketPlayerMarketInformation" />
<element name="MarketPlayerMarketEnablingInformation" substitutionGroup="pd:TransactionDetail" type="pd:MarketPlayerMarketEnablingInformation" />
<element name="OfferPointMarketEnablingInformation" substitutionGroup="pd:TransactionDetail" type="pd:OfferPointMarketEnablingInformation" />
<element name="OfferPointProxiesInformation" substitutionGroup="pd:TransactionDetail" type="pd:OfferPointProxiesInformation" />
<element name="InterZoneDetailsInformation" substitutionGroup="pd:TransactionDetail" type="pd:InterZoneDetailsInformation" />
<element name="WarrantyVectorInformation" substitutionGroup="pd:TransactionDetail" type="pd:WarrantyVectorInformation"></element>
<element name="Account_Activity" substitutionGroup="pd:TransactionDetail" type="pd:AccountActivity" />
<element name="SNAM_PSVItem" substitutionGroup="pd:TransactionDetail" type="pd:SNAMPSVItem" />
<element name="SNAM_MarginItem" substitutionGroup="pd:TransactionDetail" type="pd:SNAMMarginItem" />
<element name="MR" substitutionGroup="pd:TransactionDetail" type="pd:MRs" />
<element name="MBMR" substitutionGroup="pd:TransactionDetail" type="pd:MBMRs" />
<element name="ZonalMR" substitutionGroup="pd:TransactionDetail" type="pd:ZonalMR" />
<element name="StorageOperatorEnabling" substitutionGroup="pd:TransactionDetail" type="pd:StorageOperatorEnabling"></element>
<element name="SettlementAction" substitutionGroup="pd:TransactionDetail" type="pd:SettlementAction"/>
<element name="DefaultPrices" substitutionGroup="pd:TransactionDetail" type="pd:DefaultPrices"></element>
<element name="SNAMWarrantyItem" substitutionGroup="pd:TransactionDetail" type="pd:SNAMWarrantyItem"></element>
<element name="ManualSNAMFileGeneration" substitutionGroup="pd:TransactionDetail" type="pd:ManualSNAMFileGeneration"></element>
<element name="Holidays" substitutionGroup="pd:TransactionDetail" type="pd:Holidays"></element>
<element name="OfferPoints" substitutionGroup="pd:TransactionDetail" type="pd:OfferPoints"></element>
<element name="OfferPointMarginsInformation" substitutionGroup="pd:TransactionDetail" type="pd:OfferPointMarginsInformation" />
<element name="MarketPlayerMarginsInformation" substitutionGroup="pd:TransactionDetail" type="pd:MarketPlayerMarginsInformation" />
```

```xml
            <element name="Zones" substitutionGroup="pd:TransactionDetail" type="pd:Zones" />
            <element name="MarketPlayerSellLimitsInformation" substitutionGroup="pd:TransactionDetail" type="pd:MarketPlayerSellLimitsInformation" ></element>
            <element name="DisputeMessages" substitutionGroup="pd:TransactionDetail" type="pd:DisputeMessages" />
            <element name="DisputeTopics" substitutionGroup="pd:TransactionDetail" type="pd:DisputeTopics" />
            <element name="OMQDelivery" substitutionGroup="pd:TransactionDetail" type="pd:OMQDelivery" />
            <element name="OMQDeliveryNotification" substitutionGroup="pd:TransactionDetail" type="pd:OMQDeliveryNotification" />
</schema>
```

BaseMessageTypes.xsd

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

<complexType name ="tyError">
  <attribute name="Code"        type="string"    use="required" />
  <attribute name="Description" type="string"    use="required" />
</complexType>

 <complexType name="tyHeader">
  <sequence>
    <element name="Sender"   type="pd:tyAddress"/>
    <element name="Receiver" type="pd:tyAddress"/>
  </sequence>
</complexType>

<complexType name="tyAddress">
  <sequence>
    <element name="OperatorMsgCode" type="pd:tyOperatorMsgCode"/>
    <element name="CompanyName" type="pd:tyCompanyName" minOccurs="0"/>
    <element name="UserMsgCode"    type="pd:tyUserMsgCode" minOccurs="0"/>
  </sequence>
</complexType>

<simpleType name="tyOperatorMsgCode">
  <restriction base="string">
    <minLength value="1" />
    <maxLength value="16" />
  </restriction>
</simpleType>

<simpleType name="tyUserMsgCode">
  <restriction base="string">
    <minLength value="1" />
    <maxLength value="50" />
```

```xml
      </restriction>
   </simpleType>

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


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

   <simpleType name="tyTransactionStatus">
      <restriction base="string">
         <enumeration value="Accepted" />
         <enumeration value="Rejected" />
      </restriction>
   </simpleType>

   <simpleType name="tyMessageType">
      <restriction base="string">
         <enumeration value="Request" />
         <enumeration value="Response" />
         <enumeration value="Notify" />
      </restriction>
   </simpleType>


   <simpleType name="tyMessageStatus">
      <restriction base="string">
         <enumeration value="Accepted" />
         <enumeration value="Rejected" />
         <enumeration value="PartiallyAccepted" />
      </restriction>
   </simpleType>

   <simpleType name="tyCompanyName">
      <restriction base="string">
         <minLength value="1"/>
         <maxLength value="60"/>
      </restriction>
   </simpleType>

   <simpleType name="tyExternalReferenceNumber">
      <restriction base="string">
```

```xml
        <minLength value="1" />
        <maxLength value="32" />
      </restriction>
   </simpleType>

</schema>
```

TYPES.XSD

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

        <element name="RejectInformation">
                <complexType>
                        <sequence>
                                <element name="Reason" type="pd:ty032len"/>
                                <element name="ReasonText" type="pd:ty01024len" minOccurs="0" maxOccurs="1"/>
                        </sequence>
                </complexType>
        </element>

        <simpleType name="ty1len">
                <restriction base="string">
                        <minLength value="1" />
                        <maxLength value="3" />
                </restriction>
        </simpleType>

        <simpleType name="ty2len">
                <restriction base="string">
                        <minLength value="1" />
                        <maxLength value="2" />
                </restriction>
        </simpleType>

        <simpleType name="ty3len">
                <restriction base="string">
                        <minLength value="1" />
                        <maxLength value="3" />
                </restriction>
        </simpleType>

        <simpleType name="ty04len">
                <restriction base="string">
```

```xml
				<minLength value="0" />
				<maxLength value="4" />
		</restriction>
</simpleType>

<simpleType name="ty4len">
		<restriction base="string">
				<minLength value="1" />
				<maxLength value="4" />
		</restriction>
</simpleType>

<simpleType name="ty08len">
		<restriction base="string">
				<minLength value="0" />
				<maxLength value="8" />
		</restriction>
</simpleType>

<simpleType name="ty8len">
		<restriction base="string">
				<minLength value="1" />
				<maxLength value="8" />
		</restriction>
</simpleType>

<simpleType name="ty016len">
		<restriction base="string">
				<minLength value="0" />
				<maxLength value="16" />
		</restriction>
</simpleType>

<simpleType name="ty16len">
		<restriction base="string">
				<minLength value="1" />
				<maxLength value="16" />
		</restriction>
</simpleType>

<simpleType name="ty032len">
		<restriction base="string">
				<minLength value="0" />
				<maxLength value="32" />
		</restriction>
</simpleType>

<simpleType name="ty32len">
		<restriction base="string">
				<minLength value="1" />
				<maxLength value="32" />
```

```xml
			</restriction>
		</simpleType>

		<simpleType name="ty30len">
			<restriction base="string">
				<minLength value="1" />
				<maxLength value="30" />
			</restriction>
		</simpleType>

		<simpleType name="ty50len">
			<restriction base="string">
				<minLength value="1" />
				<maxLength value="50" />
			</restriction>
		</simpleType>

		<simpleType name="ty500len">
			<restriction base="string">
				<minLength value="1" />
				<maxLength value="500" />
			</restriction>
		</simpleType>

		<simpleType name="ty064len">
			<restriction base="string">
				<minLength value="0" />
				<maxLength value="64" />
			</restriction>
		</simpleType>

		<simpleType name="ty64len">
			<restriction base="string">
				<minLength value="1" />
				<maxLength value="64" />
			</restriction>
		</simpleType>

		<simpleType name="ty0128len">
			<restriction base="string">
				<minLength value="0" />
				<maxLength value="128" />
			</restriction>
		</simpleType>

		<simpleType name="ty128len">
			<restriction base="string">
				<minLength value="1" />
				<maxLength value="128" />
			</restriction>
		</simpleType>
```

```xml
<simpleType name="ty0256len">
        <restriction base="string">
                <minLength value="0" />
                <maxLength value="256" />
        </restriction>
</simpleType>

<simpleType name="ty256len">
        <restriction base="string">
                <minLength value="1" />
                <maxLength value="256" />
        </restriction>
</simpleType>

<simpleType name="ty256len0">
        <restriction base="string">
                <minLength value="0" />
                <maxLength value="256" />
        </restriction>
</simpleType>

<simpleType name="ty0512len">
        <restriction base="string">
                <minLength value="0" />
                <maxLength value="512" />
        </restriction>
</simpleType>

<simpleType name="ty512len">
        <restriction base="string">
                <minLength value="1" />
                <maxLength value="512" />
        </restriction>
</simpleType>

<simpleType name="ty01024len">
        <restriction base="string">
                <minLength value="0" />
                <maxLength value="1024" />
        </restriction>
</simpleType>

<simpleType name="ty1024len">
        <restriction base="string">
                <minLength value="1" />
                <maxLength value="1024" />
        </restriction>
</simpleType>

<simpleType name="ty33len">
```

```xml
			<restriction base="string">
						<minLength value="1" />
						<maxLength value="33" />
			</restriction>
</simpleType>

<simpleType name="ty050len">
			<restriction base="string">
						<minLength value="0" />
						<maxLength value="50" />
			</restriction>
</simpleType>

<simpleType name="tyDate">
			<restriction base="integer">
						<minInclusive value="19000101"/>
						<maxInclusive value="29001231"/>
			</restriction>
</simpleType>

<simpleType name="tyHourIntervalType">
			<restriction base="integer">
						<minInclusive value="1"/>
						<maxInclusive value="25"/>
			</restriction>
</simpleType>

<simpleType name="tyMarketPlayerType">
			<restriction base="string">
						<enumeration value="OWN"/>
						<enumeration value="REG"/>
						<enumeration value="VEN"/>
						<enumeration value="VENR"/>
						<enumeration value="VENC"/>
						<enumeration value="REGM"/>
						<enumeration value="REGP"/>
						<enumeration value="SNAM"/>
						<enumeration value="STOR"/>
						<enumeration value="VENX"></enumeration>
			</restriction>
</simpleType>

<simpleType name="tyResultType">
			<restriction base="string">
						<enumeration value="ZoneResults"/>
						<enumeration value="InterZoneResults"/>
						<enumeration value="GenericMarketResults"/>
			</restriction>
</simpleType>

<simpleType name="tyQtyMWh">
```

```xml
            <restriction base="string">
                    <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                    <!--  99999999,9999  ==> senza separatore migliaia con al massimo 4 decimali senza segno -->
                    <pattern value="^?\d{1,12}(,\d{1,3})|^?\d{1,12}(,\d{1,2})|^?\d{1,12}(,\d{1,1})|^?\d{1,12}$"/>
            </restriction>
</simpleType>

<simpleType name="tyCoefficient">
            <restriction base="string">
                    <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                    <!--  99999999,9999  ==> senza separatore migliaia con al massimo 4 decimali senza segno -->
                    <pattern value="^?\d{1,12}(,\d{1,3})|^?\d{1,12}(,\d{1,2})|^?\d{1,12}(,\d{1,1})|^?\d{1,12}$"/>
            </restriction>
</simpleType>

<simpleType name="tyPrice">
            <restriction base="string">
                    <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                    <!--  99999999,9999  ==> senza separatore migliaia con al massimo 3 decimali senza segno -->
                    <pattern value="^\d{1,12}(,\d{1,4})?$"/>
            </restriction>
</simpleType>

<simpleType name="tyPriceTwoDecimals">
            <restriction base="string">
                    <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                    <!--  99999999,9999  ==> senza separatore migliaia con al massimo 3 decimali senza segno -->
                    <pattern value="^\d{1,12}(,\d{1,2})?$"/>
            </restriction>
</simpleType>

<simpleType name="tyPriceThreeDecimals">
            <restriction base="string">
                    <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                    <!--  99999999,9999  ==> senza separatore migliaia con al massimo 3 decimali senza segno -->
                    <pattern value="^\d{1,12}(,\d{1,3})?$"/>
            </restriction>
</simpleType>



<simpleType name="tyQuantity">
            <restriction base="string">
                    <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                    <!--  99999999,9999  ==> senza separatore migliaia con al massimo 1 decimali senza segno -->
                    <pattern value="^\d{1,12}(,\d{1,3})?$"/>
            </restriction>
</simpleType>

<simpleType name="tySRGQuantity">
            <restriction base="string">
```

```xml
                              <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                              <!--  99999999,9999 ==> senza separatore migliaia con al massimo 1 decimali senza segno -->
                              <pattern value="^\d{1,12}(,\d{1,7})?$"/>
                </restriction>
        </simpleType>

        <simpleType name="tySignedQuantity">
                <restriction base="string">
                              <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                              <!--  99999999,9999 ==> senza separatore migliaia con al massimo 1 decimali senza segno -->
                              <pattern value="^[-+]\d{1,12}(,\d{1,1})?$"/>
                </restriction>
        </simpleType>

        <simpleType name="tyAwardedPrice">
                <restriction base="string">
                              <!--  99999999      ==> senza separatore migliaia solo intero senza decimali senza segno  -->
                              <!--  99999999,9999 ==> senza separatore migliaia con al massimo 4 decimali senza segno -->

<pattern value="^?\d{1,12}(,\d{1,6})|^?\d{1,12}(,\d{1,5})|^?\d{1,12}(,\d{1,4})|^?\d{1,12}(,\d{1,3})|^?\d{1,12}(,\d{1,2})|^?\d{1,12}(,\d{1,1})|^?\d{1,12}$"/>
                </restriction>
        </simpleType>

        <simpleType name="tyFlowMwh">
                <restriction base="string">
                              <!--  99.999.999    ==> con separatore migliaia solo intero senza decimali con o senza segno -->
                              <!--  99999999      ==> senza separatore migliaia solo intero senza decimali con o senza segno  -->
                              <!--  99.999.999,999 ==> con separatore migliaia con al massimo 3 decimali con o senza segno -->
                              <!--  99999999,999  ==> senza separatore migliaia con al massimo 3 decimali con o senza segno -->
                              <pattern value="^[-+]?\d{1,12}(,\d{1,3})|^?\d{1,12}(,\d{1,2})|^?\d{1,12}(,\d{1,1})|^?\d{1,12}$"/>
                </restriction>
        </simpleType>



        <simpleType name="tyUnitOfMeasure">
                <restriction base="string">
                              <enumeration value="MWh"/>
                </restriction>
        </simpleType>


        <simpleType name="tyTransactionType">
                <restriction base="string">
                              <enumeration value="MarketPlayers" />
                              <enumeration value="Users" />
                              <enumeration value="UserInformations" />
                              <enumeration value="Parameters" />
                              <enumeration value="FunctionalAcknowledgement" />
                              <enumeration value="Offers" />
```

```xml
            <enumeration value="Sessions" />
            <enumeration value="BidsOffers" />
            <enumeration value="MarketSessions" />
            <enumeration value="MarketResults" />
            <enumeration value="BidNotifications" />
            <enumeration value="BNs" />
            <enumeration value="DNs" />
            <enumeration value="MBBNs" />
            <enumeration value="MRs" />
            <enumeration value="MBMRs" />
            <enumeration value="ZonalMR" />
            <enumeration value="SessionResults" />
            <enumeration value="MarketPlayerResults" />
            <enumeration value="MarketPlayerInformations" />
            <enumeration value="MarketPlayerMarketEnablingInformation" />
            <enumeration value="OfferPointMarketEnablingInformation" />
            <enumeration value="OfferPointMarginsInformation" />
            <enumeration value="MarketPlayerMarginsInformation" />
            <enumeration value="InterZoneDetailsInformation" />
            <enumeration value="OfferPointProxiesInformation" />
            <enumeration value="MarketPlayersAccount" />
            <enumeration value="AccountActivity" />
            <enumeration value="SNAMPSVItem" />
            <enumeration value="OfferPoints" />
            <enumeration value="SNAMMarginItem" />
            <enumeration value="StorageOperatorEnabling"></enumeration>
            <enumeration value="DefaultPrices"></enumeration>
            <enumeration value="SNAMWarrantyItem"></enumeration>
            <enumeration value="ManualSNAMFileGeneration"></enumeration>
            <enumeration value="Zones"></enumeration>
            <enumeration value="Unknown" />
            <enumeration value="GMMarketPlayerSellLimitsInformation"></enumeration>
            <enumeration value ="DisputeMessages"></enumeration>
            <enumeration value ="DisputeTopics"></enumeration>
            <enumeration value ="OMQDelivery"></enumeration>
            <enumeration value ="OMQDeliveryNotification"></enumeration>
        </restriction>
</simpleType>

<simpleType name="tyOperation">
        <restriction base="string">
                <enumeration value="AddNew"/>
                <enumeration value="Modify"/>
        </restriction>
</simpleType>

<simpleType name="tyOperation2">
        <restriction base="string">
                <enumeration value="AddNew"/>
                <enumeration value="DeleteInsert"/>
                <enumeration value="Confirm"/>
```

```xml
                </restriction>
        </simpleType>

        <simpleType name="tyOperation3">
                <restriction base="string">
                        <enumeration value="New"/>
                        <enumeration value="Modify"/>
                        <enumeration value="Delete"/>
                </restriction>
        </simpleType>

        <simpleType name="tyMKOfferMode">
                <restriction base="string">
                        <enumeration value="Normal"/>
                        <enumeration value="ExecuteAndDelete"/>
                        <enumeration value="ExecuteOrDelete"/>
                        <!--<enumeration value="AllOrNothing"/>-->
                </restriction>
        </simpleType>

        <simpleType name="tyOMQOfferType">
                <restriction base="string">
                        <enumeration value="S"></enumeration>
                        <enumeration value="B"></enumeration>
                </restriction>
        </simpleType>

        <simpleType name="tyOMQDeliveryStatus">
                <restriction base="string">
                        <enumeration value="Accepted"></enumeration>
                        <enumeration value="Rejected"></enumeration>
                        <enumeration value="Partial"></enumeration>
                </restriction>
        </simpleType>

        <simpleType name="tyOfferType">
                <restriction base="string">
                        <enumeration value="A"></enumeration>
                        <enumeration value="V"></enumeration>
                </restriction>
        </simpleType>

</schema>
```

TRANSAZIONI XML MESSE A DISPOSIZIONE DEGLI OPERATORI

FUNCTIONAL ACKNOWLEDGMENT

FUNCTIONAL ACKNOWLEDGMENT POSITIVO

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Response" MessageDate="2013-07-24"
MessageTime="11:17:58.1974351+02:00" ResponseMessageStatus="Accepted" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>MTTEST2</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <FunctionalAcknowledgement TransactionType="Offers" Status="Accepted" XmlOrder="1" RefId="59734" />
  </Transaction>
</Message>
```

FUNCTIONAL ACKNOWLEDGMENT NEGATIVO

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Response" MessageDate="2013-07-24"
MessageTime="11:22:10.4704429+02:00" ResponseMessageStatus="Rejected" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>MTTEST3</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <FunctionalAcknowledgement TransactionType="Offers" Status="Rejected" XmlOrder="1">
      <RejectInformation>
        <Reason>MK13</Reason>
        <ReasonText>The operator MTTEST3 is not enabled to operate in this platform.</ReasonText>
      </RejectInformation>
    </FunctionalAcknowledgement>
```

```xml
    </Transaction>
</Message>
```

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="FunctionalAcknowledgements">
      <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="MPN" type="string" use="optional"/>
      <attribute name="XmlOrder" type="int" use="required"/>
      <attribute name="RefId" type="int" use="optional"></attribute>
    </complexType>
</schema>
```

BN

BN

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Notify" MessageDate="2013-07-24"
MessageTime="11:21:59.8624114+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>MTTEST2</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <BN>
      <Date>2013-07-24</Date>
```

```xml
      <OfferId>59785</OfferId>
      <ProductName>TEST-BoM-2013-7-25</ProductName>
      <ExecutionDetails>
        <SubmittedPrice>32,000</SubmittedPrice>
        <AwardedPrice>34,000</AwardedPrice>
        <Market>MTCC</Market>
        <SubmittedQty>50,000</SubmittedQty>
        <AwardedQty>25,000</AwardedQty>
        <Status>Awarded</Status>
        <Purpose>V</Purpose>
      </ExecutionDetails>
    </BN>
  </Transaction>
</Message>
```

BN.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="Types.xsd" />
  <complexType name="BNs">
    <sequence>
      <element name="Date" type="date" minOccurs="1" maxOccurs="1" />
      <element name="OfferId" type="int" minOccurs="1" maxOccurs="1"  />
      <element name="ProductName" type="pd:ty16len" minOccurs="1" maxOccurs="1"  />
      <element name="VendorCode" type="pd:ty16len" minOccurs="0" maxOccurs="1"  />
      <choice>
        <element name="OffersDetails" type="pd:BNDetail" minOccurs="1" maxOccurs="unbounded" />
        <element name="ExecutionDetails" type="pd:BNExecutionDetail" minOccurs="1" maxOccurs="unbounded" />
      </choice>
    </sequence>
  </complexType>
  <complexType name="BNDetail">
    <sequence>
      <element name="Price" type="pd:tyPrice" minOccurs="1" maxOccurs="1" />
      <element name="Contracts" type="pd:tyQuantity" minOccurs="1" maxOccurs="1" />
    </sequence>
    <attribute name="OfferMatchId" type="int" use="optional" />
  </complexType>
  <complexType name="BNExecutionDetail">
    <sequence>
      <element name="SubmittedPrice" type="pd:tyPrice" minOccurs="0" maxOccurs="1" />
      <element name="AwardedPrice" type="pd:tyPrice" minOccurs="0" maxOccurs="1" />
      <element name="Market" type="string" minOccurs="0" maxOccurs="1"/>
      <element name="SubmittedQty" type="pd:tyQuantity" minOccurs="1" maxOccurs="1" />
      <element name="AwardedQty" type="pd:tyQuantity" minOccurs="0" maxOccurs="1" />
      <element name="Status" type="string" minOccurs="1" maxOccurs="1" />
```

```
        <element name="RejectInfo" type="string" minOccurs="0" maxOccurs="unbounded" />
        <element name="Purpose" type="string" minOccurs="1" maxOccurs="1"/>
        <element name="MPN" type="string" minOccurs="0" maxOccurs="1"/>
    </sequence>
  </complexType>

</schema>
```

DN

DN *Positivo*

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" MessageType="Notify" MessageDate="2013-07-24" MessageTime="11:28:30.1795994+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>OESNAM</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>MTTEST1</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <DN>
      <Date>2013-01-01</Date>
      <TransactionId>20130704MIMTTEST1</TransactionId>
      <MarketPlayerCode>MTTEST1</MarketPlayerCode>
      <RejectedContracts>0</RejectedContracts>
      <Status>A</Status>
      <RejectInfo />
    </DN>
  </Transaction>
</Message>
```

DN *Negativo*

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" MessageType="Notify" MessageDate="2013-07-24" MessageTime="11:28:30.2436591+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>OESNAM</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>MTTEST2</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
```

```xml
      <DN>
        <Date>2013-01-01</Date>
        <TransactionId>2013MIMTTEST2</TransactionId>
        <MarketPlayerCode>MTTEST2</MarketPlayerCode>
        <RejectedContracts>14</RejectedContracts>
        <Status>P</Status>
        <RejectInfo>Position partially accepted</RejectInfo>
      </DN>
    </Transaction>
</Message>
```

DN.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="Types.xsd" />
  <complexType name="DNs">
    <sequence>
      <element name="Date" type="date" minOccurs="1" maxOccurs="1" />
      <element name="TransactionId" type="string" minOccurs="1" maxOccurs="1"  />
      <element name="MarketPlayerCode" type="pd:ty16len" minOccurs="0" maxOccurs="1"  />
      <element name="OriginalContracts" type="pd:tyQuantity" minOccurs="0" maxOccurs="1" />
      <element name="RejectedContracts" type="pd:tyQuantity" minOccurs="1" maxOccurs="1" />
      <element name="Purpose" type="string" minOccurs="0" maxOccurs="1" />
      <element name="Status" type="string" minOccurs="1" maxOccurs="1" />
      <element name="RejectInfo" type="string" minOccurs="0" maxOccurs="1" />
    </sequence>
  </complexType>
</schema>
```

OFFERTE

SOTTOMISSIONE DI UN'OFFERTA

```xml
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Request" MessageDate="2013-04-12"
MessageTime="09:37:48.5085020+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>MTTEST1</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
```

```xml
      <Offer VendorCode="IDGMEGAS" OfferType="A" OfferMode="Normal">
        <ProductName>TEST-BoM-2013-7-25</ProductName>
        <Contracts>25,000</Contracts>
        <MTPrice>32,000</MTPrice>
        <ExpiryTime>2013-07-25</ExpiryTime>
        <MarketCode>MTCC</MarketCode>
        <Replacement>false</Replacement>
      </Offer>
    </Transaction>
</Message>
```

MODIFICA DI UN'OFFERTA

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Request" MessageDate="2013-07-24"
MessageTime="11:36:29.3180307+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>00123GD</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
      <Offer OffersId="59812" VendorCode="00123GD" OfferType="V" OfferMode="Normal">
        <ProductName>TEST-M-2013-9</ProductName>
        <Contracts>50,456</Contracts>
        <MTPrice>31,000</MTPrice>
        <ExpiryTime>2013-07-24</ExpiryTime>
        <MarketCode>MTCC</MarketCode>
        <Replacement>false</Replacement>
      </Offer>
    </Transaction>
</Message>
```

SOTTOMISSIONE DI UN'OFFERTA OTC

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Request" MessageDate="2013-07-24"
MessageTime="11:49:27.9505773+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>00123GD</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
```

```xml
<Transaction>
  <Offer VendorCode="IDGMEGAS" OfferType="A" OfferMode="Normal">
    <ProductName>TEST-M-2013-9</ProductName>
    <Contracts>50,54</Contracts>
    <MTPrice>23,5</MTPrice>
    <ExpiryTime>2013-07-24</ExpiryTime>
    <MarketCode>MTCC</MarketCode>
    <Replacement>false</Replacement>
    <OTCMarketPlayerCode>00123GT</OTCMarketPlayerCode>
    <OTCCode>test123</OTCCode>
  </Offer>
</Transaction>
</Message>
```

Accettazione di un'offerta OTC

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Request" MessageDate="2013-07-24"
MessageTime="11:49:51.3651320+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>00123GT</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <Offer VendorCode="00123GT" OfferType="V" OfferMode="Normal">
      <ProductName>TEST-M-2013-9</ProductName>
      <Contracts>50,000</Contracts>
      <MTPrice>23,500</MTPrice>
      <ExpiryTime>2013-07-24</ExpiryTime>
      <MarketCode>MTCC</MarketCode>
      <Replacement>false</Replacement>
      <OTCMarketPlayerCode>00123GD</OTCMarketPlayerCode>
      <OTCCode>test123</OTCCode>
    </Offer>
  </Transaction>
</Message>
```

GMOffer.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="Types.xsd" />
<complexType name="Offers">
  <sequence>
    <element name="ProductName" type="pd:ty32len" minOccurs="1" maxOccurs="1" />
```

```xml
    <choice>
      <element name="Contracts" type="long" minOccurs="1" maxOccurs="1"/>
      <element name="Quantity" type="pd:tyQuantity" minOccurs="1" maxOccurs="1" />
              <element name="SRGQuantity" type="pd:tySRGQuantity" minOccurs="1" maxOccurs="1" />
    </choice>
    <choice>
      <element name="Price" type="pd:tyPrice" minOccurs="0" maxOccurs="1" />
      <element name="MBPrice" type="pd:tyPriceThreeDecimals" minOccurs="0" maxOccurs="1" />
      <element name="MTPrice" type="pd:tyPriceThreeDecimals" minOccurs="0" maxOccurs="1" />
      <element name="PBZPrice" type="pd:tyPriceThreeDecimals" minOccurs="0" maxOccurs="1" />
    </choice>
    <element name="ExpiryTime" type="date" minOccurs="1" maxOccurs="1" />
    <element name="Predefined" type="boolean" minOccurs="0" maxOccurs="1" default="false"></element>
    <element name="MarketCode" type="string" minOccurs="0" maxOccurs="1" />
    <element name="Notes" type="string" minOccurs="0" maxOccurs="1" />
    <element name="Replacement" type="boolean" minOccurs="0" maxOccurs="1"/>
    <element name="FlowDate" type="date" minOccurs="0" maxOccurs="1" nillable="true" />
    <element name="StorageOperatorCode" type="pd:ty32len" minOccurs="0" maxOccurs="1"  />
    <element name="OTCMarketPlayerCode" type="pd:ty32len" minOccurs="0" maxOccurs="1"  />
    <element name="OTCCode" type="pd:ty32len" minOccurs="0" maxOccurs="1"  />
    <element name="ReferenceDate" type="date" minOccurs="0" maxOccurs="1" nillable="true" />
    <element name="OfferPointCode" type="pd:ty32len" minOccurs="0" maxOccurs="1"  />
  </sequence>
  <attribute name="SessionsId" type="int" use="optional" default="0" />
  <attribute name="OffersId" type="int" use="optional" default="0" />
  <attribute name="VendorCode" type="pd:ty32len" use="optional" />
  <attribute name="OfferType" type="pd:tyOfferType" use="required" />
  <attribute name="OfferMode" type="pd:tyMKOfferMode" use="optional" />
  <attribute name="OTCConfirmation" type="boolean" use="optional"/>
  </complexType>
</schema>
```

CAMBIAMENTO DI STATO DI UN'OFFERTA

```xml
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Request" MessageDate="2013-04-15"
MessageTime="15:30:09.7615636+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>MTTEST1</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <OfferChangeStatus OfferId="59789">
      <Status>H</Status>
    </OfferChangeStatus>
  </Transaction>
```

```
</Message>
```

RIFIUTO DI UN'OFFERTA OTC

```xml
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Request" MessageDate="2013-07-24"
MessageTime="11:53:15.2136903+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>00123GD</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <OfferChangeStatus OfferId="59815">
      <Status>C</Status>
    </OfferChangeStatus>
  </Transaction>
</Message>
```

GMOfferChangeStatus.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="Types.xsd" />
  <complexType name="OffersChangeStatus">
    <sequence>
              <element name="Status" type="pd:ty1len" minOccurs="1" maxOccurs="1" />
        </sequence>
          <attribute name="OfferId" type="int" use="optional" default="1" />
  </complexType>
</schema>
```
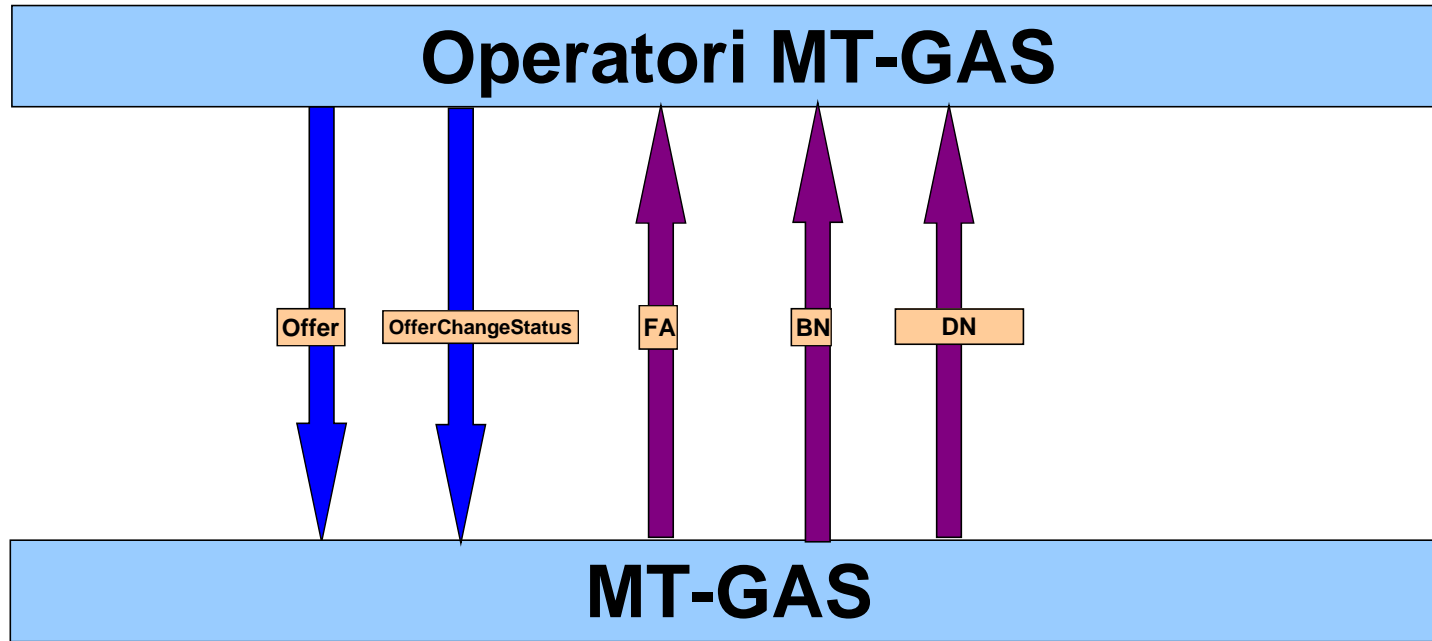
Offer Implementation Guide for MT-GAS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurances Min/Max	Field Length	Definition
Message		A/N	A/N	1 for file		
xmlns:xsi	A					Defines the schema instance being used.
xmlns:xsd	A					Associates the actual schema instance being used to the name space.
xmlns	A					
MessageType	A	Request		0/1		Message type
MessageDate	A	Valid date	YYYY-MM-DD	1/1		Date of the message
MessageTime	A			0/1		Time of the message
Header	E	(see Header data structure)		1/1		Contains the sender and the recipient of the message
Transaction	E	(see Transaction data structure)		1 or more		Transaction Container
Header						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
Sender						
OperatorMsgCode	E		A/N	1/1	max=16	The unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	The Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who sends
Receiver						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	The unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	The Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
Offer	E	(see Offer data structure)		1/1		
Offer						
VendorCode	A	PSV code	A/N	0/1	max =32	The code of the vendor operator
OfferType	A	V,A		1/1	max =1	The type of the offer: sell (V) or buy (A)
OfferMode	A	Normal,ExecuteAndDelete,ExecuteOrDelete		1/1		The offer presentation mode
ProductName	E		A/N	1/1	max=32	The name of the product
Contracts	E	Valid decimal number	999999999999,999	1/1		The number of contracts
MTPrice	E	Valid decimal number	999999999999,999	1/1		The price
ExpiryTime	E	9999-12-31	YYYY-MM-DD	1/1		The expiration date for offer revocation
MarketCode	E	MTCC	A/N	1/1		The market code the offer is referring to.
Notes	E		A/N	0/1		An operator's note.
OTCMarketPlayerCode	E	PSV code	A/N	0/1	max=32	Required only for OTC offers
OTCCode	E		A/N	0/1	max=32	Required only for OTC offers

Offer Implementation Guide for MT-GAS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurances Min/Max	Field Length	Definition
Message		A/N	A/N	1 for file		
xmlns:xsi	A					Defines the schema instance being used.
xmlns:xsd	A					Associates the actual schema instance being used to the name space.
xmlns	A					
MessageType	A	Request		0/1		Message type
MessageDate	A	Valid date	YYYY-MM-DD	1/1		Date of the message
MessageTime	A			0/1		Time of the message
Header	E	(see Header data structure)		1/1		Contains the sender and the recipient of the message
Transaction	E	(see Transaction data structure)		1 or more		Transaction Container
Header						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
Sender						
OperatorMsgCode	E		A/N	1/1	max=16	The unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	The Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who sends
Receiver						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	The unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	The Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
Offer	E	(see Offer data structure)		1/1		
Offer						
OffersId	A	Valid positive integer number	999999999999	1/1		The id of the offer being modified
VendorCode	A	PSV code		0/1	max =32	The code of the vendor operator
OfferType	A	V,A		1/1	max =4	The type of the offer: sell (V) or buy (A)
OfferMode	A	Normal,ExecuteAndDelete,ExecuteOrDelete		1/1		The offer presentation mode
ProductName	E		A/N	1/1	max=32	The name of the product
Contracts	E	Valid decimal number	999999999999,999	1/1		The number of contracts
MTPrice	E	Valid decimal number	999999999999,999	1/1		The price
ExpiryTime	E	9999-12-31	YYYY-MM-DD	1/1		The expiration date for offer revocation
MarketCode	E	MTCC	A/N	1/1		The market code the offer is referring to.
Notes	E		A/N	0/1		An operator's note.
OTCMarketPlayerCode	E	PSV code	A/N	0/1	max=32	Required only for OTC offers
OTCCode	E		A/N	0/1	max=32	Required only for OTC offers

Offer Implementation Guide for MT-GAS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurances Min/Max	Field Length	Definition
Message		A/N	A/N	1 for file		
xmlns:xsi	A					Defines the schema instance being used.
xmlns:xsd	A					Associates the actual schema instance being used to the name space.
xmlns	A					
MessageType	A	Request		0/1		Message type
MessageDate	A	Valid date	YYYY-MM-DD	1/1		Date of the message
MessageTime	A			0/1		Time of the message
Header	E	(see Header data structure)		1/1		Contains the sender and the recipient of the message
Transaction	E	(see Transaction data structure)		1 or more		Transaction Container
Header						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
Sender						
OperatorMsgCode	E		A/N	1/1	max=16	The unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	The Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who sends
Receiver						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	The unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	The Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
OffersChangeStatus	E	(see OffersChangeStatus data structure)		1/1		
OffersChangeStatus						
OfferId	A	Valid positive integer number	999999999999	1/1		The id of the offer being modified
Status	E	R,S,H,C	A/N	0/1		The desired status of the offer. R: revoked; S: shown; H: hidden; C: OTC offer refused

Functional Acknowledgment Implementation Guide for MT-GAS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurances Min/Max	Field Length	Definition
Message		A/N	A/N	1 for file		
xmlns:xsi	A					Defines the schema instance being used.
xmlns:xsd	A					Associates the actual schema instance being used to the name space.
xmlns	A					
MessageType	A	Request		0/1		Message type
MessageDate	A	Valid date	YYYY-MM-DD	1/1		Date of the message
MessageTime	A			0/1		Time of the message
Header	E	(see Header data structure)		1/1		Contains the sender and the recipient of the message
Transaction	E	(see Transaction data structure)		1 or more		Transaction Container
Header						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
Sender						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	The unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	The Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who sends
Receiver						
OperatorMsgCode	E		A/N	1/1	max=16	The unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	The Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
FunctionalAcknowledgement	E	(see FunctionalAcknowledgement data structure)		1/1		
FunctionalAcknowledgement						
TransactionType	A		A/N	0/1		The type of transaction the FA is referring to.
Status	A	Accepted, Rejected	A/N	1/1		The outcome of the transaction
MPN	A		A/N	0/1		External reference number
RefId	A		integer	0/1		The id of the submitted offer
XmlOrder	A		integer	1/1		The xml order
RejectInformation	E	(see RejectInformation data structure)		1 or more		
RejectInformation						
Reason	E		A/N	1/1	max=32	The short description of the rejection
ReasonText	E		A/N	0/1	max=1024	The extended description of the rejection

Bid Notification Implementation Guide for MT-GAS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurances Min/Max	Field Length	Definition
Message		A/N	A/N	1 for file		
xmlns:xsi	A					Defines the schema instance being used.
xmlns:xsd	A					Associates the actual schema instance being used to the name space.
xmlns	A					
MessageType	A	Request		0/1		Message type
MessageDate	A	Valid date	YYYY-MM-DD	1/1		Date of the message
MessageTime	A			0/1		Time of the message
Header	E	(see Header data structure)		1/1		Contains the sender and the recipient of the message
Transaction	E	(see Transaction data structure)		1 or more		Transaction Container
Header						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
Sender						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	The unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	The Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who sends
Receiver						
OperatorMsgCode	E		A/N	1/1	max=16	The unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	The Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
BN	E	(see BNs data structure)		1/1		
BNs						
Date	E		Date	1/1		Flow Date
OfferId	E		integer	1/1		The Offer ID
ProductName	E		A/N	1/1	max=16	The name of product
VendorCode	E		A/N	0/1	max=16	Vendor Code Identifier
ExecutionDetails	E	(see BNExecutionDetail data structure)				
BNExecutionDetail						
SubmittedPrice	E	Valid decimal number	999999999999,999	1/1		The original offer price
AwardedPrice	E	Valid decimal number	999999999999,999	0/1		The awarded offer price
Market	E	MTCC	A/N	0/1		The market Identifier
SubmittedQty	E	Valid decimal number	999999999999,999	1/1		The initial offer quantity
AwardedQty	E	Valid decimal number	999999999999,999	0/1		The awarded quantity
RefusedQty	E	Valid decimal number	999999999999,999	0/1		The refused quantity
Status	E	V, I, D	A/N	1/1		The status of offer
RejectInfo	E		A/N	0 or more		The reasons of the rejection
Purpose	E	A, V	A/N	1/1		Specify if the offer is sell (V) or buy (A)
MPN	E		A/N	0/1		The MPN code inserted in the offers submition

Bid Notification Implementation Guide for MT-GAS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurances Min/Max	Field Length	Definition
Message		A/N	A/N	1 for file		
xmlns:xsi	A					Defines the schema instance being used.
xmlns:xsd	A					Associates the actual schema instance being used to the name space.
xmlns	A					
MessageType	A	Request		0/1		Message type
MessageDate	A	Valid date	YYYY-MM-DD	1/1		Date of the message
MessageTime	A			0/1		Time of the message
Header	E	(see Header data structure)		1/1		Contains the sender and the recipient of the message
Transaction	E	(see Transaction data structure)		1 or more		Transaction Container
Header						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
Sender						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	The unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	The Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who sends
Receiver						
OperatorMsgCode	E		A/N	1/1	max=16	The unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	The Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	The unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
DN	E	(see DNs data structure)		1/1		
DNs						
Date	E		Date	1/1		Flow Date
TransactionId	E		integer	1/1		The Offer ID
MarketPlayerCode	E	PSV code		0/1	max =32	
Originalcontracts	E	Valid decimal number	999999999999,999	0/1		The number of contracts
RejectedContracts	E	Valid decimal number	999999999999,999	1/1		The number of contracts
Purpose	E	A,V		0/1		The offer type
Status	E	A,P,R,I		1/1		The status of the delivery: A(accepted), P(Partially Accepted), R(Rejected), I(Incongrous).
RejectInfo	E		A/N	0/1		Textual description of the reject reason.