

# SOMMARIO

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## 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 *GMMMessage* (nello schema contenitore *GMBaseMessage*) che richiama gli xsd specifici di ogni transazione coinvolta nell'applicazione.

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

## GMBASEMESSAGE.XSD

```
<?xml version="1.0" encoding="iso-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-GM" xmlns:pd="urn:XML-GM"
  elementFormDefault="qualified">
  <include schemaLocation="BaseMessageTypes.xsd" />
  <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" />
    </complexType>
  </element>
  <attribute name="ReferenceTransactionCode" type="int" use="optional" />
</schema>
```

## GMMESSAGE.XSD

```
<?xml version="1.0" encoding="iso-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-GM"
  xmlns:pd="urn:XML-GM"
  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="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="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>
  <include schemaLocation="DN.xsd"></include>
  <include schemaLocation="GMManualSNAMFileGeneration.xsd"></include>
  <include schemaLocation="GMHolidays.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="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="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>
</schema>

```

## BASEMESSAGETYPES.XSD

```

<?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" />
  </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">
    <minLength value="1" />
    <maxLength value="32" />
  </restriction>
</simpleType>
</schema>

```

## TYPES.XSD

```

<?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:ty0321en"/>
        <element name="ReasonText" type="pd:ty010241en" minOccurs="0" maxOccurs="1"/>
      </sequence>
    </complexType>
  </element>

  <simpleType name="ty11en">
    <restriction base="string">
      <minLength value="1" />
      <maxLength value="3" />
    </restriction>
  </simpleType>
  <simpleType name="ty21en">
    <restriction base="string">
      <minLength value="1" />
      <maxLength value="2" />
    </restriction>
  </simpleType>
  <simpleType name="ty31en">
    <restriction base="string">
      <minLength value="1" />
      <maxLength value="3" />
    </restriction>

```

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

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

```
</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">
  <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"/>
  </restriction>
</simpleType>
```

```

    <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">
  <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{1,1})?$/>
</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" />
    <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" />
  </restriction>
</simpleType>

```

```

    <enumeration value="MBMRs" />
    <enumeration value="SessionResults" />
    <enumeration value="MarketPlayerResults" />
    <enumeration value="MarketPlayerInformations" />
    <enumeration value="MarketPlayersAccount" />
    <enumeration value="AccountActivity" />
    <enumeration value="SNAMPSVItem" />
    <enumeration value="SNAMMarginItem" />
    <enumeration value="StorageOperatorEnabling"></enumeration>
    <enumeration value="DefaultPrices"></enumeration>
    <enumeration value="SNAMWarrantyItem"></enumeration>
    <enumeration value="ManualSNAMFileGeneration"></enumeration>
    <enumeration value="Unknown" />
  </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"/>
    </restriction>
    <enumeration value="Confirm"/>
  </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>
</schema>

```

TRANSAZIONI XML MESSE A DISPOSIZIONE DEGLI OPERATORI

## FUNCTIONAL ACKNOWLEDGMENT

### *FUNCTIONAL ACKNOWLEDGMENT POSITIVO*

```
<?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 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>
  </Transaction>
</Message>
```

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

## *FUNCTIONALACKNOWLEDGEMENT.XSD*

```
<?xml version="1.0" encoding="iso-8859-1" ?>
<schema
  xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-GM"
  xmlns:pd="urn:XML-GM"
  elementFormDefault="qualified">
  <include schemaLocation="BaseMessageTypes.xsd" />
  <include schemaLocation="Types.xsd" />
  <complexType name="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 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>
```

```

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

```

## BN.XSD

```

<?xml version="1.0" encoding="iso-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-GM" xmlns:pd="urn:XML-GM"
  elementFormDefault="qualified">
  <include schemaLocation="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="int" 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="int" minOccurs="1" maxOccurs="1" />
      <element name="AwardedQty" type="int" minOccurs="0" maxOccurs="1" />
      <element name="Status" type="string" minOccurs="1" maxOccurs="1" />
    </sequence>
  </complexType>

```



```

    <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 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 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>
    <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 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="int" minOccurs="0" maxOccurs="1" />
      <element name="RejectedContracts" type="int" 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

```

<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>
    <Offer VendorCode="IDGMEGAS" OfferType="A" OfferMode="Normal">

```

```
<ProductName>TEST-BoM-2013-7-25</ProductName>
<Contracts>25</Contracts>
<MTPPrice>32,000</MTPPrice>
<ExpiryTime>2013-07-25</ExpiryTime>
<MarketCode>MTCC</MarketCode>
<Replacement>>false</Replacement>
</Offer>
</Transaction>
</Message>
```

### *MODIFICA DI UN'OFFERTA*

```
<?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</Contracts>
      <MTPPrice>31,000</MTPPrice>
      <ExpiryTime>2013-07-24</ExpiryTime>
      <MarketCode>MTCC</MarketCode>
      <Replacement>>false</Replacement>
    </Offer>
  </Transaction>
</Message>
```

### *SOTTOMISSIONE DI UN'OFFERTA OTC*

```
<?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>
  <Transaction>
```

```

<Offer VendorCode="IDGMEGAS" OfferType="A" OfferMode="Normal">
  <ProductName>TEST-M-2013-9</ProductName>
  <Contracts>50</Contracts>
  <MTPPrice>23,5</MTPPrice>
  <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 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</Contracts>
      <MTPPrice>23,500</MTPPrice>
      <ExpiryTime>2013-07-24</ExpiryTime>
      <MarketCode>MTCC</MarketCode>
      <Replacement>>false</Replacement>
      <OTCMarketPlayerCode>00123GD</OTCMarketPlayerCode>
      <OTCCode>test123</OTCCode>
    </Offer>
  </Transaction>
</Message>

```

### GMOFFER.XSD

```

<?xml version="1.0" encoding="iso-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-GM" xmlns:pd="urn:XML-GM"
  elementFormDefault="qualified">
  <include schemaLocation="Types.xsd" />
  <complexType name="Offers">
    <sequence>
      <element name="ProductName" type="pd:ty32len" minOccurs="1" maxOccurs="1" />
      <choice>

```

```

    <element name="Contracts" type="int" minOccurs="1" maxOccurs="1"/>
    <element name="Quantity" type="pd:tyQuantity" minOccurs="1" maxOccurs="1" />
</choice>
<choice>
    <element name="Price" type="pd:tyPrice" minOccurs="0" maxOccurs="1" />
    <element name="MBPrice" type="pd:tyPriceTwoDecimals" minOccurs="0" maxOccurs="1" />
    <element name="MTPPrice" 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" />
</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:ty4len" use="required" />
<attribute name="OfferMode" type="pd:tyMKOfferMode" use="optional" />
</complexType>
</schema>

```

### *CAMBIAMENTO DI STATO DI UN'OFFERTA*

```

<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*

```

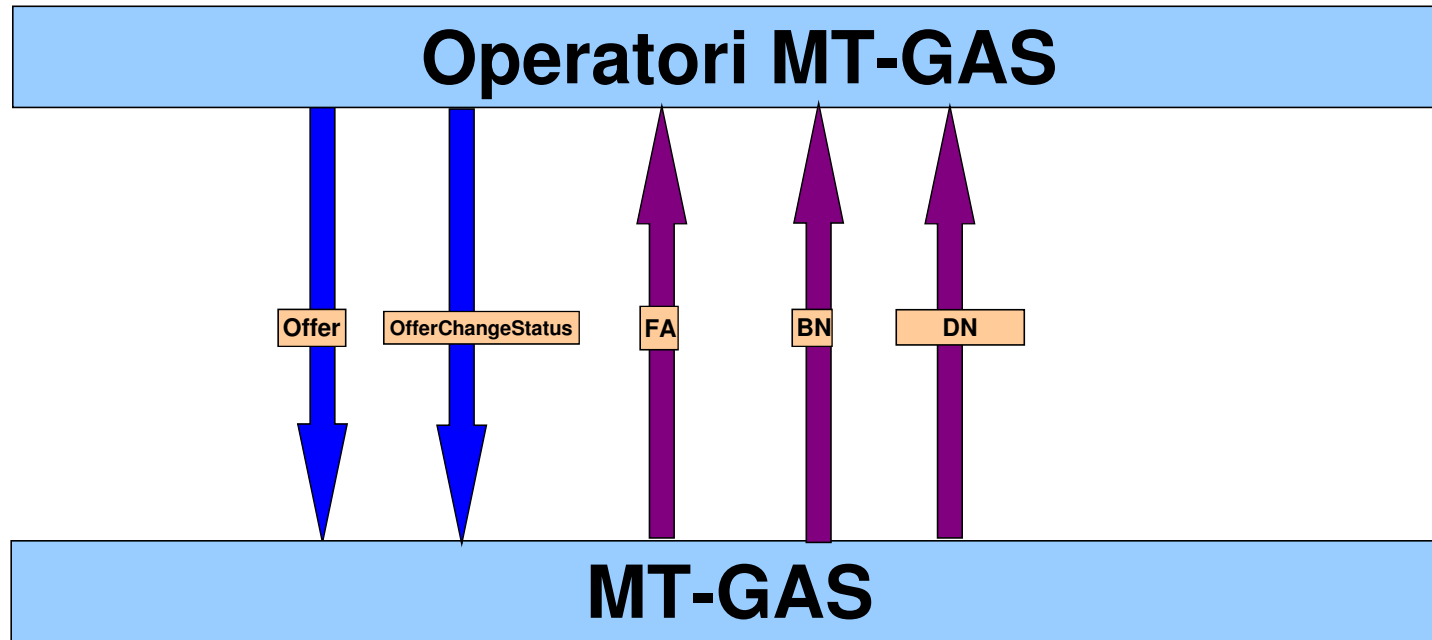
<?xml version="1.0" encoding="iso-8859-1"?>

```

```
<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 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:ty11en" 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	Occurrences Min/Max	Field Length	Definition
<b>Message</b>						
		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
<b>Header</b>						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
<b>Sender</b>						
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
<b>Receiver</b>						
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
<b>Transaction</b>						
MPN	A		A/N	0/1	max=32	External reference number
Offer	E	(see Offer data structure)		1/1		
<b>Offer</b>						
VendorCode	A	PSV code	A/N	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 positive integer number	999999999999	1/1		The number of contracts
MTPPrice	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	Occurrences Min/Max	Field Length	Definition
<b>Message</b>						
		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
<b>Header</b>						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
<b>Sender</b>						
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
<b>Receiver</b>						
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
<b>Transaction</b>						
MPN	A		A/N	0/1	max=32	External reference number
Offer	E	(see Offer data structure)		1/1		
<b>Offer</b>						
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 positive integer number	999999999999	1/1		The number of contracts
MTPPrice	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	Occurrences Min/Max	Field Length	Definition
<b>Message</b>						
		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
<b>Header</b>						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
<b>Sender</b>						
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
<b>Receiver</b>						
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
<b>Transaction</b>						
MPN	A		A/N	0/1	max=32	External reference number
OffersChangeStatus	E	(see OffersChangeStatus data structure)		1/1		
<b>OffersChangeStatus</b>						
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	Occurrences Min/Max	Field Length	Definition
<b>Message</b>						
xmlns:xsi	A		A/N	1 for file		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
<b>Header</b>						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
<b>Sender</b>						
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
<b>Receiver</b>						
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
<b>Transaction</b>						
MPN	A		A/N	0/1	max=32	External reference number
FunctionalAcknowledgement	E	(see FunctionalAcknowledgement data structure)		1/1		
<b>FunctionalAcknowledgement</b>						
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		
<b>RejectInformation</b>						
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	Occurrences Min/Max	Field Length	Definition
<b>Message</b>						
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
<b>Header</b>						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
<b>Sender</b>						
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
<b>Receiver</b>						
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
<b>Transaction</b>						
MPN	A		A/N	0/1	max=32	External reference number
BN	E	(see BNs data structure)		1/1		
<b>BNs</b>						
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)				
<b>BNExecutionDetail</b>						
SubmittedPrice	E	Valid decimal number	99999999999,99	1/1		The original offer price
AwardedPrice	E	Valid decimal number	99999999999,99	0/1		The awarded offer price
Market	E	MTCC	A/N	0/1		The market Identifier
SubmittedQty	E	Valid decimal number	99999999999,9	1/1		The initial offer quantity
AwardedQty	E	Valid decimal number	99999999999,9	0/1		The awarded quantity
RefusedQty	E	Valid decimal number	99999999999,9	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 submission

# Bid Notification Implementation Guide for MT-GAS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences Min/Max	Field Length	Definition
<b>Message</b>						
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
<b>Header</b>						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
<b>Sender</b>						
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
<b>Receiver</b>						
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
<b>Transaction</b>						
MPN	A		A/N	0/1	max=32	External reference number
DN	E	(see DNs data structure)		1/1		
<b>DNs</b>						
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	integer number	999999999999	0/1		The number of contracts
RejectedContracts	E	integer number	999999999999	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.