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INTRODUCTION

SCOPE OF THE DOCUMENT

The PB-GAS application provides various data files (in xml format) for download and upload. This document describes the transactions (in terms of formats) used inside the files.

APPLICABILITY

This document contains the Excel file describing the XML transactions of data exchange that the PB-GAS application supports.

FORMAT OF SCHEMAS

This Implementation Guide presents the XSDs by type of transaction.

By appropriately using the “include” instruction, you may obtain the *GMMessage schema (GMBaseMessage in the container schema)*, which reports the xsds specific for each transaction involved in the application.

Therefore, the examples given in the following chapters show the xsd of each transaction and a complete example of 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" />
  <element name="tyVersion" abstract="true" type="string" />
</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="GMUserMarketInformation.xsd" />
  <include schemaLocation="StorageOperatorEnabling.xsd"></include>
  <include schemaLocation="GMSettlementAction.xsd" />
  <include schemaLocation="DefaultPrices.xsd"></include>
  <include schemaLocation="SNAMWarrantyItem.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="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="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>
</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: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">
    <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>

<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>
```

```
<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>
```

```

    </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"/>
  </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 ==> without thousand separator only integer without decimals without sign -->
    <!-- 99999999,9999 ==> without thousand separator with max 4 decimals without sign -->
    <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 ==> without thousand separator only integer without decimals without sign -->
    <!-- 99999999,9999 ==> without thousand separator with max 4 decimals without sign -->
    <pattern value="^[0-9]{1,12}(\,[0-9]{1,3})|^?[0-9]{1,12}(\,[0-9]{1,2})|^?[0-9]{1,12}(\,[0-9]{1,1})|^?[0-9]{1,12}$"/>
  </restriction>
</simpleType>

<simpleType name="tyPrice">
  <restriction base="string">
    <!-- 99999999 ==> without thousand separator only integer without decimals without sign -->
    <!-- 99999999,9999 ==> without thousand separator with max 3 decimals without sign -->
    <pattern value="^[0-9]{1,12}(\,[0-9]{1,4})?$/>
  </restriction>
</simpleType>

<simpleType name="tyPriceTwoDecimals">
  <restriction base="string">
    <!-- 99999999 ==> without thousand separator only integer without decimals without sign -->
    <!-- 99999999,9999 ==> without thousand separator with max 3 decimals without sign -->
    <pattern value="^[0-9]{1,12}(\,[0-9]{1,2})?$/>
  </restriction>
</simpleType>

<simpleType name="tyQuantity">
  <restriction base="string">
    <!-- 99999999 ==> without thousand separator only integer without decimals without sign -->
    <!-- 99999999,9999 ==> without thousand separator with max 1 decimal without sign -->
    <pattern value="^[0-9]{1,12}(\,[0-9]{1,1})?$/>
  </restriction>
</simpleType>

<simpleType name="tySignedQuantity">
  <restriction base="string">
    <!-- 99999999 ==> without thousand separator only integer without decimals without sign -->
    <!-- 99999999,9999 ==> without thousand separator with max 1 decimal without sign -->
    <pattern value="^[+-][0-9]{1,12}(\,[0-9]{1,1})?$/>
  </restriction>
</simpleType>

<simpleType name="tyAwardedPrice">
  <restriction base="string">
    <!-- 99999999 ==> without thousand separator only integer without decimals without sign-->

```

```

    <!-- 99999999,9999 ==> without thousand separator with max 4 decimals without sign -->
    <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 ==> with thousand separator only integer without decimals with or without sign -->
    <!-- 99999999 ==> without thousand separator only integer without decimals with or without sign -->
    <!-- 99.999.999,999 ==> with thousand separator with max 3 decimals with or without sign -->
    <!-- 99999999,999 ==> without thousand separator with max 3 decimals with or without sign -->
    <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="MBBNs" />
    <enumeration value="MRs" />
    <enumeration value="MBMRs" />
    <enumeration value="SessionResults" />
    <enumeration value="MarketPlayerResults" />
    <enumeration value="MarketPlayerInformations" />
  </restriction>
</simpleType>

```

```

    <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="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>
</schema>

```

XML TRANSACTIONS AVAILABLE TO PARTICIPANTS

FUNCTIONAL ACKNOWLEDGMENT

POSITIVE FUNCTIONAL ACKNOWLEDGMENT

```

<?xmlversion="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="2010-12-
01" MessageTime="09:34:04.3972610+01:00" ResponseMessageStatus="Accepted" xmlns="urn:XML-GM">

```

```

<Header>
<Sender>
<OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
</Sender>
<Receiver>
<OperatorMsgCode>9999999</OperatorMsgCode>
</Receiver>
</Header>
<Transaction>
<FunctionalAcknowledgementTransactionType="Offers" Status="Accepted" XmlOrder="1" RefId="827" />
</Transaction>
<Transaction>
<FunctionalAcknowledgementTransactionType="Offers" Status="Accepted" XmlOrder="2" RefId="828" />
</Transaction>
</Message>

```

NEGATIVE FUNCTIONAL ACKNOWLEDGMENT

```

<?xmlversion="1.0" encoding="iso-8859-1"?>
<Messagexmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"xmlns:xsd="http://www.w3.org/2001/XMLSchema"MessageType="Response"MessageDate="2010-12-
01"MessageTime="09:28:47.6849168+01:00"ResponseMessageStatus="Rejected"xmlns="urn:XML-GM">
<Header>
<Sender>
<OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
</Sender>
<Receiver>
<OperatorMsgCode>9999999</OperatorMsgCode>
</Receiver>
</Header>
<Transaction>
<FunctionalAcknowledgementTransactionType="Offers" Status="Rejected" XmlOrder="1">
<RejectInformation>
<Reason>OF03</Reason>
<ReasonText>no open session found</ReasonText>
</RejectInformation>
</FunctionalAcknowledgement>
</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"/>
</complexType>
</schema>

```

MBBN

MBBN

```

<?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="2011-09-
07" MessageTime="08:55:13.8351460+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>99999999</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <MBBN>
      <Date>2011-09-06</Date>
      <OfferId>590</OfferId>
      <ProductName>MGAS</ProductName>
    </MBBN>
  </Transaction>
</Message>

```

```
<ExecutionDetails>
  <SubmittedPrice>12,00</SubmittedPrice>
  <AwardedPrice>12,00</AwardedPrice>
  <Market>MBS</Market>
  <SubmittedQty>10,0</SubmittedQty>
  <AwardedQty>8,3</AwardedQty>
  <Status>Awarded</Status>
  <Purpose>A</Purpose>
</ExecutionDetails>
</MBBN>
</Transaction>
<Transaction>
  <MBBN>
    <Date>2011-09-06</Date>
    <OfferId>594</OfferId>
    <ProductName>MGAS</ProductName>
    <ExecutionDetails>
      <SubmittedPrice>12,00</SubmittedPrice>
      <AwardedPrice>12,00</AwardedPrice>
      <Market>MBS</Market>
      <SubmittedQty>10,0</SubmittedQty>
      <AwardedQty>8,3</AwardedQty>
      <RefusedQty>-10,0</RefusedQty>
      <Status>Awarded</Status>
      <Purpose>A</Purpose>
      <MPN>MARGIN VIOLATION GENERATED OFFER</MPN>
    </ExecutionDetails>
  </MBBN>
</Transaction>
<Transaction>
  <MBBN>
    <Date>2011-09-06</Date>
    <OfferId>598</OfferId>
    <ProductName>MGAS</ProductName>
    <ExecutionDetails>
      <SubmittedPrice>12,00</SubmittedPrice>
      <AwardedPrice>12,00</AwardedPrice>
      <Market>MBS</Market>
      <SubmittedQty>30,0</SubmittedQty>
      <AwardedQty>20,3</AwardedQty>
      <RefusedQty>4,0</RefusedQty>
      <Status>Awarded</Status>
      <Purpose>A</Purpose>
      <MPN>MARGIN VIOLATION</MPN>
    </ExecutionDetails>
```

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

MBBN.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="MBBNs">
    <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:MBBNDetail" minOccurs="1" maxOccurs="unbounded" />
        <element name="ExecutionDetails" type="pd:MBBNExecutionDetail" minOccurs="1" maxOccurs="unbounded" />
      </choice>
    </sequence>
  </complexType>
  <complexType name="MBBNDetail">
    <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="MBBNExecutionDetail">
    <sequence>
      <element name="SubmittedPrice" type="pd:tyPriceTwoDecimals" minOccurs="1" maxOccurs="1" />
      <element name="AwardedPrice" type="pd:tyPriceTwoDecimals" 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="RefusedQty" type="pd:tySignedQuantity" 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>
```

MBMR

```
<?xmlversion="1.0"encoding="iso-8859-1"?>
<Messagexmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"xmlns:xsd="http://www.w3.org/2001/XMLSchema"MessageType="Request"MessageDate="2010-12-
01"MessageTime="10:16:48.4291204+01:00"xmlns="urn:XML-GM">
<Header>
<Sender>
<OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
</Sender>
<Receiver>
<OperatorMsgCode>MK* </OperatorMsgCode>
</Receiver>
</Header>
<Transaction>
<MR>
<MarginalPrice>32,00</MarginalPrice>
<MarginalQty>75,5</MarginalQty>
<SellQty>163,3</SellQty>
<BuyQty>141,8</BuyQty>
<FlowDate>2011-11-16</FlowDate>
</MR>
</Transaction>
</Message>
```

MBMR.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="MBMRs">
<sequence>
<element name="MarginalPrice" type="pd:tyPriceTwoDecimals" minOccurs="1" maxOccurs="1" />
```

```

        <element name="MarginalQty" type="pd:tyQuantity" minOccurs="1" maxOccurs="1" />
        <element name="SellQty" type="pd:tyQuantity" minOccurs="1" maxOccurs="1" />
        <element name="BuyQty" type="pd:tyQuantity" minOccurs="1" maxOccurs="1" />
<element name="FlowDate" type="date" minOccurs="1" maxOccurs="1"></element>
    </sequence>
</complexType>
</schema>

```

ORDERS

ENTRY OF AN ORDER

```

<?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="2011-09-
16" MessageTime="09:07:03.9187565+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>9999999</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <Offer OfferType="V">
      <ProductName>MGAS</ProductName>
      <Quantity>44,5</Quantity>
      <MBPrice>12,45</MBPrice>
      <ExpiryTime>9999-12-31</ExpiryTime>
      <MarketCode>MBS</MarketCode>
      <Notes />
      <Replacement>>false</Replacement>
      <FlowDate>2011-09-17</FlowDate>
      <StorageOperatorCode>88888888</StorageOperatorCode>
    </Offer>
  </Transaction>
</Transaction>

```

```

    <Offer OfferType="A">
    <ProductName>MGAS</ProductName>
    <Quantity>14,5</Quantity>
    <MBPrice>10,15</MBPrice>
    <ExpiryTime>9999-12-31</ExpiryTime>
    <MarketCode>MBS</MarketCode>
    <Notes />
    <Replacement>>true</Replacement>
    <FlowDate>2011-09-17</FlowDate>
    <StorageOperatorCode>88888888</StorageOperatorCode>
  </Offer>
</Transaction>
</Message>

```

CHANGE OF AN ORDER

```

<?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="2011-09-
16" MessageTime="09:07:03.9187565+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>9999999</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <Offer OfferType="A" OffersId="635">
      <ProductName>MGAS</ProductName>
      <Quantity>14,5</Quantity>
      <MBPrice>9,15</MBPrice>
      <ExpiryTime>9999-12-31</ExpiryTime>
      <MarketCode>MBS</MarketCode>
      <Notes />
      <Replacement>>false</Replacement>
      <FlowDate>2011-09-17</FlowDate>
      <StorageOperatorCode>88888888</StorageOperatorCode>
    </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" />
      </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" />
    </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" />
  </complexType>
</schema>
```

ENTRY OF DEFAULT PRICES

ENTRY OF SALE PRICE AND PURCHASE PRICE

```
<?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="2011-09-
16" MessageTime="09:56:19.9514999+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>9999999</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGMEGAS</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <DefaultPrices>
      <MarketPlayerCode>9999999</MarketPlayerCode>
      <StorageOperatorCode>88888888</StorageOperatorCode>
      <DefaultUpPrice>22,77</DefaultUpPrice>
      <DefaultDownPrice>11,54</DefaultDownPrice>
    </DefaultPrices>
  </Transaction>
</Message>
```

ENTRY OF SALE PRICE ONLY. THE PURCHASE PRICE IS REVOKED

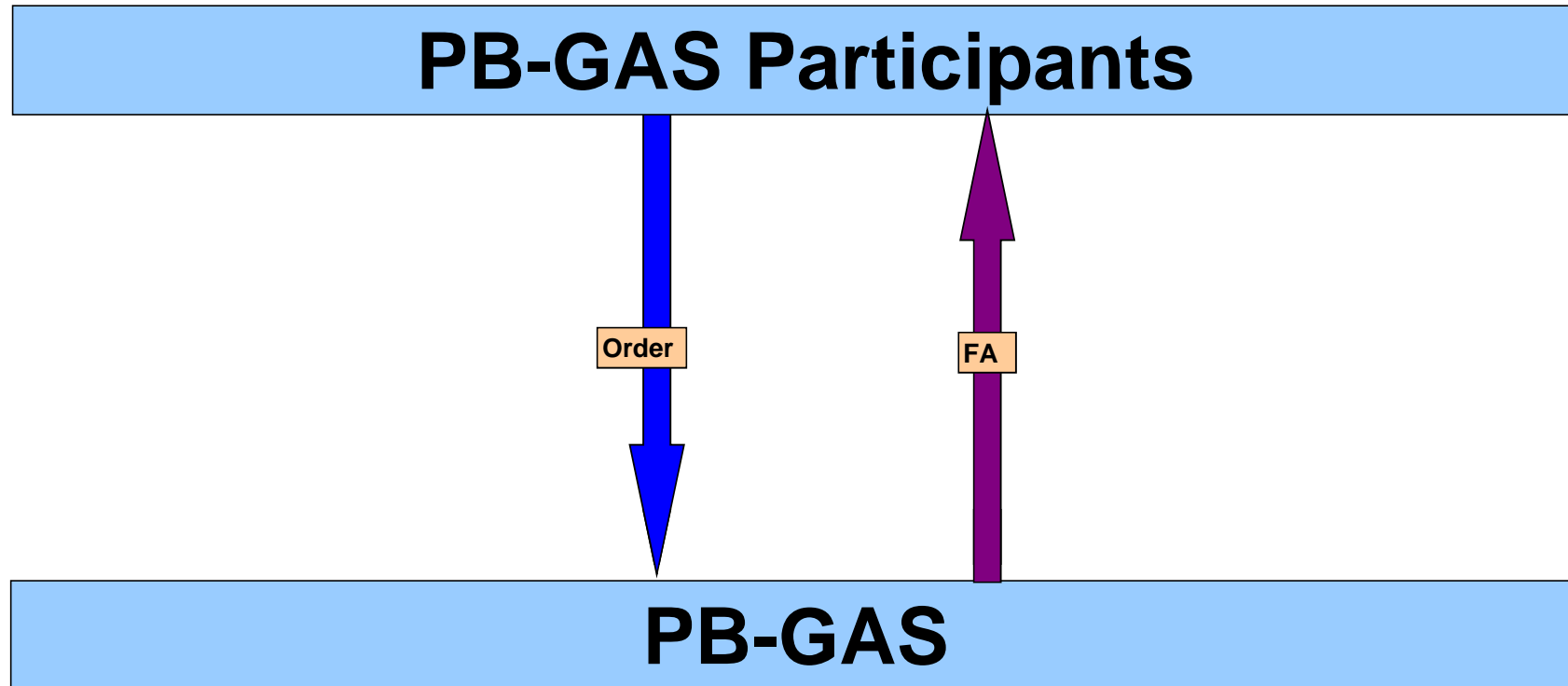
```
<?xml version="1.0" encoding="iso-8859-1"?>
<Message xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" MessageType="Request" MessageDate="2011-09-
16" MessageTime="09:56:19.9514999+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>9999999</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <DefaultPrices>
      <MarketPlayerCode>9999999</MarketPlayerCode>
      <StorageOperatorCode>88888888</StorageOperatorCode>
      <DefaultUpPrice>22,77</DefaultUpPrice>
    </DefaultPrices>
  </Transaction>
</Message>
```

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

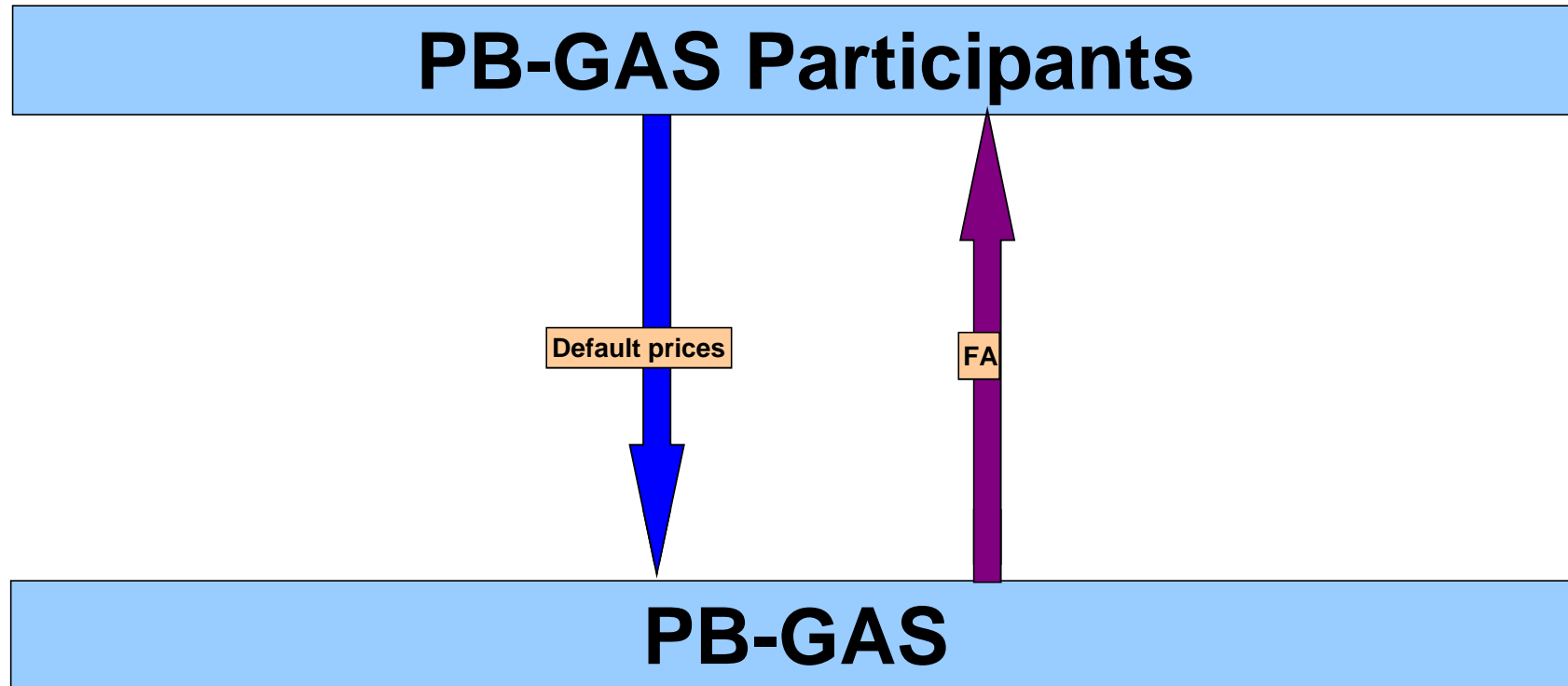
REVOCATION OF BOTH PRICES

```
<?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="2011-09-
16" MessageTime="09:56:19.9514999+02:00" xmlns="urn:XML-GM">
  <Header>
    <Sender>
      <OperatorMsgCode>9999999</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>88888888</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <DefaultPrices>
      <MarketPlayerCode>9999999</MarketPlayerCode>
      <StorageOperatorCode>88888888</StorageOperatorCode>
    </DefaultPrices>
  </Transaction>
</Message>
```

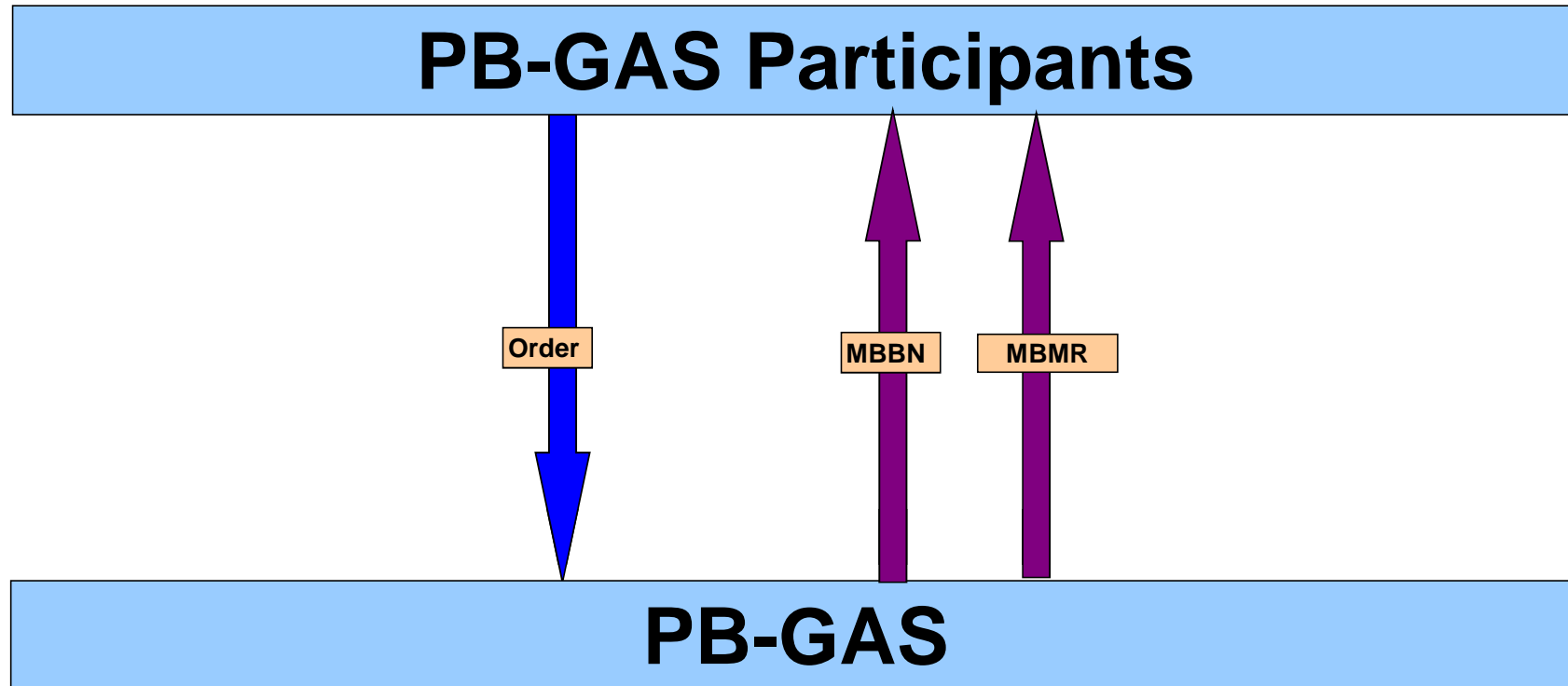
Case 1: Submission of an order



Case 2: Submission of default prices



Case 3: Submission of the order, closing and execution of the market



Order - PB-GAS Implementation Guide

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences 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 with 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	Unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for the user who sends
Receiver						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	Unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	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		0/1	max =32	Code of the selling Participant
OfferType	A	V,A		1/1	max =4	Type of order: sell (V) or buy (A)
ProductName	E	MGAS	A/N	1/1	max=32	Name of the product associated with the market
Quantity	E	Valid decimal number	999999999999,9	1/1		Quantity
MBPrice	E	Valid decimal number	999999999999,99	1/1		Price
ExpiryTime	E	9999-12-31	YYYY-MM-DD	1/1		Currently unused
Predefined	E	false,true	boolean	0/1		Not used
MarketCode	E	MBS	A/N	1/1		Market code to which the order refers.
Notes	E		A/N	0/1		Participant's note.
Replacement	E	false,true	boolean	1/1		Specifies if an order replaces the first submitted order
StorageOperatorCode	E	PSV code		1/1	max =32	PSV code of the storage operator.
FlowDate	E	Valid date	YYYY-MM-DD	1/1		Flow date of the session to which the order refers.

Order change - PB-GAS Implementation Guide

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences 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 with 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	Unique identifier of Sender
CompanyName	E		A/N	0/1	max=60	Name of Sender
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for user who sends
Receiver						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	Unique identifier of Receiver
CompanyName	E		A/N	0/1	max=60	Name of Receiver
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for 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		integer	1/1		Id of the order
VendorCode	A	PSV code		1/1	max =32	Code of the selling Participant
OfferType	A	V,A		1/1	max =4	Type of order: sell (V) or buy (A)
ProductName	E	MGAS	A/N	1/1	max=32	Name of product associated with the market
Quantity	E	Valid decimal number	99999999999,9	1/1		Quantity
MBPrice	E	Valid decimal number	99999999999,99	1/1		Price
ExpiryTime	E	9999-12-31	YYYY-MM-DD	1/1		Currently unused
Predefined	E	false,true	boolean	0/1		Not used
MarketCode	E	MBS	A/N	1/1		Market code to which the order refers.
Notes	E		A/N	0/1		Participant's note.
Replacement	E	false,true	boolean	1/1		Specified if an order replaces the first submitted order
StorageOperatorCode	E	PSV code		1/1	max =32	PSV code of the storage operator.
FlowDate	E	Valid date	YYYY-MM-DD	1/1		Flow date of the session to which the order refers.

Default Prices - PB-GAS Implementation Guide

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences 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 with 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	Unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for the user who sends
Receiver						
OperatorMsgCode	E	IDGMEGAS	A/N	1/1	max=16	Unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
DefaultPrices	E	(see DefaultPrices data structure)		1/1		
DefaultPrices						
MarketPlayerCode	A	PSV code		1/1	max =32	Code of the Participant
StorageOperatorCode	E	PSV code		1/1	max =32	PSV code of the storage operator.
DefaultUpPrice	E	Valid decimal number	99999999999,99	0/1		Default price for sell orders. If it is not specified (the element does not appear), the previous default price will be deleted.
DefaultDownPrice	E	Valid decimal number	99999999999,99	0/1		Default price for buy orders. If it is not specified (the element does not appear), the previous default price will be deleted.

Functional Acknowledgment - PB-GAS Implementation Guide

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences Min/Max	Field Length	Definition
Message						
xmlns:xsi	A		A/N	1 for file		Defines the schema instance being used.
xmlns:xsd	A					Associates the actual schema instance being used with 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	Unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for the user who sends
Receiver						
OperatorMsgCode	E		A/N	1/1	max=16	Unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
FunctionalAcknowledgement	E	(see Functional Acknowledgement data structure)		1/1		
Functional Acknowledgement						
TransactionType	A		A/N	0/1		Type of transaction to which the FA refers.
Status	A	Accepted, Rejected	A/N	1/1		Outcome of the transaction
MPN	A		A/N	0/1		External reference number
RefId	A		integer	0/1		Id of the submitted order
XmlOrder	A		integer	1/1		Xml order
RejectInformation	E	(see RejectInformation data structure)		1 or more		
RejectInformation						
Reason	E		A/N	1/1	max=32	Short description of the rejection
ReasonText	E		A/N	0/1	max=1024	Extended description of the rejection

Market Results - PB-GAS Implementation Guide

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences Min/Max	Field Length	Definition
Message						
xmlns:xsi	A	A/N	A/N	1 for file		Defines the schema instance being used.
xmlns:xsd	A					Associates the actual schema instance being used with 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	Unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	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	Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
MBMR	E	(see MBMRs data structure)		1/1		
MBMRs						
MarginalPrice	E	Valid decimal number	999999999999,99	1/1		Marginal Price
MarginalQty	E	Valid decimal number	999999999999,9	1/1		Marginal Quantity
SellQty	E	Valid decimal number	999999999999,9	1/1		Sell quantity processed
BuyQty	E	Valid decimal number	999999999999,9	1/1		Buy quantity processed
FlowDate	E	Valid date	YYYY-MM-DD	1/1		Flow date of the market session

Bid Notification - PB-GAS Implementation Guide

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences 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 with 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	Unique identifier of the Sender
CompanyName	E		A/N	0/1	max=60	Name of the Sender
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for the user who sends
Receiver						
OperatorMsgCode	E		A/N	1/1	max=16	Unique identifier of the Receiver
CompanyName	E		A/N	0/1	max=60	Name of the Receiver
UserMsgCode	E		A/N	0/1	max=50	Unique identifier for the user who receives
Transaction						
MPN	A		A/N	0/1	max=32	External reference number
MBBN	E	(see MBBNs data structure)		1/1		
MBBNs						
Date	E		Date	1/1		Flow Date
OfferId	E		integer	1/1		Order ID
ProductName	E		A/N	1/1	max=16	Name of product
VendorCode	E		A/N	0/1	max=16	Selling Participant's Code Identifier
ExecutionDetails	E	(see MBBNExecutionDetail data structure)				
MBBNExecutionDetail						
SubmittedPrice	E	Valid decimal number	9999999999,99	1/1		Original order price
AwardedPrice	E	Valid decimal number	9999999999,99	0/1		Awarded order price
Market	E	MBS	A/N	0/1		Market Identifier
SubmittedQty	E	Valid decimal number	9999999999,9	1/1		Initial order quantity
AwardedQty	E	Valid decimal number	9999999999,9	0/1		Awarded quantity
RefusedQty	E	Valid decimal number	9999999999,9	0/1		Rejected quantity
Status	E	V, I, D	A/N	1/1		Status of the order
RejectInfo	E		A/N	0 or more		Reasons for the rejection
Purpose	E	A, V	A/N	1/1		Specifies if the order is sell (V) or buy (A)
MPN	E		A/N	0/1		MPN code entered upon submission of the order