

MERCATO XBID

APPLICAZIONE LTS_NS

Implementation Guide (ESEMPI E FILE SCHEMA)

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1 TRANSAZIONI XML MESSE A DISPOSIZIONE DEGLI OPERATORI

1.1 LTSAwardWarranty

```
<?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="2024-09-30"
MessageTime="11:53:05.2578336Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>Operatore_1</CompanyName>
      <UserMsgCode>USER_1</UserMsgCode>
      <OperatorMsgCode>OEXXXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <AwardWarranty>
      <OperatorCode>OEXXXXX</OperatorCode>
      <TradingDate>2024-09-23</TradingDate>
      <FlowDate>2024-09-23</FlowDate>
      <Amount>1000</Amount>
    </AwardWarranty>
  </Transaction>
</Message>
```

1.2 BidSubmittal (Orario)

```
<?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="2024-09-30"
MessageTime="14:31:57.2920689Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>Operatore_1</CompanyName>
      <UserMsgCode>user</UserMsgCode>
      <OperatorMsgCode>OEXXXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <Offer>
      <OperatorCode>OEXXXXX</OperatorCode>
      <FlowDate>2024-09-30</FlowDate>
      <ZoneCode>NORD</ZoneCode>
      <UnitId>UNIT_1</UnitId>
      <Interval type="FH">9</Interval>
      <Purpose>S</Purpose>
      <Status>A</Status>
      <ExpiryTime>2024-10-02T23:00:00Z</ExpiryTime>
      <Qty>1</Qty>
      <Price>1</Price>
    </Offer>
  </Transaction>
</Message>
```

1.2 BidSubmittal (Quartorario)

```
<?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="2024-09-30"
MessageTime="14:31:57.2920689Z" xmlns="urn:XML-LTS">
```

```
<Header>
```

```
<Sender>
```

```
<CompanyName>Operatore_1</CompanyName>
```

```
<UserMsgCode>user</UserMsgCode>
```

```
<OperatorMsgCode>OEXXXXX</OperatorMsgCode>
```

```
</Sender>
```

```
<Receiver>
```

```
<OperatorMsgCode>IDGME</OperatorMsgCode>
```

```
</Receiver>
```

```
</Header>
```

```
<Transaction>
```

```
<Offer>
```

```
<OperatorCode>OEXXXXX</OperatorCode>
```

```
<FlowDate>2024-09-30</FlowDate>
```

```
<ZoneCode>NORD</ZoneCode>
```

```
<UnitId>UNIT_1</UnitId>
```

```
<Interval type="QH">49</Interval>
```

```
<Purpose>S</Purpose>
```

```
<Status>A</Status>
```

```
<ExpiryTime>2024-10-02T23:00:00Z</ExpiryTime>
```

```
<Qty>1</Qty>
```

```
<Price>1</Price>
```

```
</Offer>
```

```
</Transaction>
```

```
</Message>
```

1.2 BidSubmittal (Mezzorario)

```
<?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="2024-09-30"
MessageTime="14:31:57.2920689Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>Operatore_1</CompanyName>
      <UserMsgCode>user</UserMsgCode>
      <OperatorMsgCode>OEXXXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <Offer>
      <OperatorCode>OEXXXXX</OperatorCode>
      <FlowDate>2024-09-30</FlowDate>
      <ZoneCode>NORD</ZoneCode>
      <UnitId>UNIT_1</UnitId>
      <Interval type="HH">26</Interval>
      <Purpose>S</Purpose>
      <Status>A</Status>
      <ExpiryTime>2024-10-02T23:00:00Z</ExpiryTime>
      <Qty>1</Qty>
      <Price>1</Price>
    </Offer>
  </Transaction>
</Message>
```

1.3 BidSubmittal (Basket – Offer submission) (Orario)

```
<?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="2024-09-30" MessageTime="14:38:25.1740168Z" xmlns="urn:XML-LTS">

<Header>

<Sender>

<CompanyName>OEXXXXX</CompanyName>

<UserMsgCode>user</UserMsgCode>

<OperatorMsgCode>OEXXXXX</OperatorMsgCode>

</Sender>

<Receiver>

<OperatorMsgCode>IDGME</OperatorMsgCode>

</Receiver>

</Header>

<Transaction>

<OffersBasket>

<Execution>None</Execution>

<Offers>

<Offers>

<OperatorCode>OEXXXXX</OperatorCode>

<FlowDate>2024-09-30</FlowDate>

<ZoneCode>NORD</ZoneCode>

<UnitId>UNIT_1</UnitId>

<Interval type="FH">9</Interval>

<Purpose>S</Purpose>

<Status>A</Status>

<ExpiryTime>2024-10-02T23:00:00Z</ExpiryTime>

<Qty>1</Qty>

<Price>1</Price>

</Offers>

<Offers>

<OperatorCode>OEXXXXX</OperatorCode>

<FlowDate>2024-09-30</FlowDate>

<ZoneCode>NORD</ZoneCode>

<UnitId>UNIT_1</UnitId>

<Interval type="FH">9</Interval>

<Purpose>S</Purpose>

<Status>A</Status>



```
<ExpiryTime>2024-09-30T23:00:00Z</ExpiryTime>
  <Qty>2</Qty>
  <Price>2</Price>
</Offers>
</Offers>
</OffersBasket>
</Transaction>
</Message>
```

1.4 BidSubmittal (Basket – Offer submission) (Quartorario)

```
<?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="2024-09-30"
MessageTime="14:38:25.1740168Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>OEXXXXX</CompanyName>
      <UserMsgCode>user</UserMsgCode>
      <OperatorMsgCode>OEXXXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <OffersBasket>
      <Execution>None</Execution>
      <Offers>
        <Offers>
          <OperatorCode>OEXXXXX</OperatorCode>
          <FlowDate>2024-09-30</FlowDate>
          <ZoneCode>NORD</ZoneCode>
```

<UnitId>UNIT_1</UnitId>
<Interval type="QH">49</Interval>
<Purpose>S</Purpose>
<Status>A</Status>
<ExpiryTime>2024-10-02T23:00:00Z</ExpiryTime>
<Qty>1</Qty>
<Price>1</Price>
</Offers>
<Offers>
<OperatorCode>OEXXXX</OperatorCode>
<FlowDate>2024-09-30</FlowDate>
<ZoneCode>NORD</ZoneCode>
<UnitId>UNIT_1</UnitId>
<Interval type="QH">49</Interval>
<Purpose>S</Purpose>
<Status>A</Status>
<ExpiryTime>2024-09-30T23:00:00Z</ExpiryTime>
<Qty>2</Qty>
<Price>2</Price>
</Offers>
</Offers>
</OffersBasket>
</Transaction>
</Message>

1.5 BidSubmittal (Basket – Offer submission) (Mezzorario)

```
<?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="2024-09-30"
MessageTime="14:38:25.1740168Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>OEXXXXX</CompanyName>
      <UserMsgCode>user</UserMsgCode>
      <OperatorMsgCode>OEXXXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <OffersBasket>
      <Execution>None</Execution>
      <Offers>
        <Offers>
          <OperatorCode>OEXXXXX</OperatorCode>
          <FlowDate>2024-09-30</FlowDate>
          <ZoneCode>NORD</ZoneCode>
          <UnitId>UNIT_1</UnitId>
          <Interval type="HH">29</Interval>
          <Purpose>S</Purpose>
          <Status>A</Status>
          <ExpiryTime>2024-10-02T23:00:00Z</ExpiryTime>
          <Qty>1</Qty>
          <Price>1</Price>
        </Offers>
        <Offers>
          <OperatorCode>OEXXXXX</OperatorCode>
          <FlowDate>2024-09-30</FlowDate>
          <ZoneCode>NORD</ZoneCode>
```

<UnitId>UNIT_1</UnitId>
<Interval type="HH">29</Interval>
<Purpose>S</Purpose>
<Status>A</Status>
<ExpiryTime>2024-09-30T23:00:00Z</ExpiryTime>
<Qty>2</Qty>
<Price>2</Price>
</Offers>
</Offers>
</OffersBasket>
</Transaction>
</Message>

1.6 BidSubmittal (Basket – Offer modification) (Orario)

```
<?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="2020-12-21"
MessageTime="15:06:46.2078842Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>OEXXXXX</CompanyName>
      <UserMsgCode>user</UserMsgCode>
      <OperatorMsgCode>OEXXXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <OffersBasket>
      <Execution>None</Execution>
      <Offers>
        <OffersManagement>
          <OfferId>46165</OfferId>
          <Operation>Edit</Operation>
          <Qty>62,0</Qty>
          <Price>38,0</Price>
        </OffersManagement>
        <OffersManagement>
          <OfferId>46166</OfferId>
          <Operation>Edit</Operation>
          <Qty>27,0</Qty>
          <Price>36,0</Price>
        </OffersManagement>
      </Offers>
    </OffersBasket>
  </Transaction>
</Message>
```

1.7 BidSubmittal (Basket – Offer change status) (Orario/Quartorario/Mezzorario)

```
<?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="2020-12-21"
MessageTime="15:06:46.2078842Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>OEXXXX</CompanyName>
      <UserMsgCode>user</UserMsgCode>
      <OperatorMsgCode>OEXXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <OffersBasket>
      <Execution>None</Execution>
      <Offers>
        <OffersManagement>
          <OfferId>46165</OfferId>
          <Operation>Hide</Operation>
        </OffersManagement>
        <OffersManagement>
          <OfferId>46166</OfferId>
          <Operation>Hide</Operation>
        </OffersManagement>
      </Offers>
    </OffersBasket>
  </Transaction>
</Message>
```

1.8 OfferManagement (Orario)

```
<?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="2020-12-17"
MessageTime="11:41:43.4604890Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>OEEXXX</CompanyName>
      <UserMsgCode>user</UserMsgCode>
      <OperatorMsgCode>OEEXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <OfferManagement>
      <OfferId>46165</OfferId>
      <Operation>Revoke</Operation>
    </OfferManagement>
  </Transaction>
</Message>
```

1.9 Program

```
<?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="2024-10-01"
MessageTime="06:52:44.8179793Z" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <CompanyName>OEXXXX</CompanyName>
      <UserMsgCode>user</UserMsgCode>
      <OperatorMsgCode>OEXXXX</OperatorMsgCode>
    </Sender>
    <Receiver>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Receiver>
  </Header>
  <Transaction>
    <Program>
      <OperatorCode>OEXXXX</OperatorCode>
      <FlowDate>2024-10-01</FlowDate>
      <UnitId>UP_UNIT_1</UnitId>
      <Interval>49</Interval>
      <Direction>I</Direction>
      <OperationType>SUB</OperationType>
      <Qty>1</Qty>
    </Program>
  </Transaction>
</Message>
```

1.10 Functional Acknowledgement 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="2024-10-01"
MessageTime="06:41:08.9271818Z" ResponseReferenceMessageCode="514779"
ResponseMessageStatus="Accepted" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Sender>
    <Receiver />
  </Header>
  <Transaction>
    <FunctionalAcknowledgement TransactionType="Offer" Status="Accepted" XmlOrder="1"
RefId="46168" />
  </Transaction>
</Message>
```

1.11 Functional Acknowledgement Negative

```
<?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="2024-10-01"
MessageTime="06:52:49.9047650Z" ResponseReferenceMessageCode="514781"
ResponseMessageStatus="Rejected" xmlns="urn:XML-LTS">
  <Header>
    <Sender>
      <OperatorMsgCode>IDGME</OperatorMsgCode>
    </Sender>
    <Receiver />
  </Header>
  <Transaction>
    <FunctionalAcknowledgement TransactionType="Program" Status="Rejected" XmlOrder="1" RefId="0">
      <RejectInformation>
        <Reason>PROGR07</Reason>
        <ReasonText>Program for this flowdate [01/10/2024] with relevant period [11], cannot be accepted
because out of time [01/10/2024 01:30:00]</ReasonText>
      </RejectInformation>
    </FunctionalAcknowledgement>
  </Transaction>
</Message>
```

2 FILE SCHEMA

2.1 LTSAwardWarranty

```
<?xml version="1.0" encoding="iso-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-LTS" xmlns:pd="urn:XML-LTS"
  elementFormDefault="qualified">
  <include schemaLocation="Types.xsd" />
  <complexType name="AwardWarranty">
    <sequence>
      <element name="OperatorCode" type="pd:ty16len" minOccurs="1" maxOccurs="1"/>
      <element name="TradingDate" type="date" minOccurs="1" maxOccurs="1"/>
      <element name="FlowDate" type="date" minOccurs="1" maxOccurs="1"/>
      <element name="Amount" type="pd:tyAmount" minOccurs="1" maxOccurs="1"/>
    </sequence>
  </complexType>
</schema>
```

2.2 LTSOffer

```
<?xml version="1.0" encoding="iso-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-LTS" xmlns:pd="urn:XML-LTS"
  elementFormDefault="qualified">
  <include schemaLocation="Types.xsd" />
  <include schemaLocation="LTSTypes.xsd" />
  <complexType name="Offer">
    <sequence>
      <element name="OfferId" type="long" minOccurs="0" maxOccurs="1"/>
      <element name="OperatorCode" type="pd:ty16len" minOccurs="1" maxOccurs="1"/>
      <element name="FlowDate" type="date" minOccurs="1" maxOccurs="1"/>
      <element name="ZoneCode" type="pd:ty8len" minOccurs="1" maxOccurs="1"/>
      <element name="UnitId" type="pd:ty16len" minOccurs="1" maxOccurs="1"/>

      <element name="Interval" type="pd:tyOfferIntervalType" minOccurs="1" maxOccurs="1"/>

      <element name="Purpose" type="pd:tyOfferPurpose" minOccurs="1" maxOccurs="1"/>
      <element name="Status" type="pd:tyOfferStatus" minOccurs="1" maxOccurs="1"/>
      <element name="Execution" type="pd:tyOfferExecution" minOccurs="0" maxOccurs="1"
default="Normal"/>
      <element name="Mode" type="pd:tyOfferMode" minOccurs="0" maxOccurs="1" default="NON"/>
      <element name="ExpiryTime" type="dateTime" minOccurs="0" maxOccurs="1"/>
      <element name="Qty" type="pd:tyQuantity" minOccurs="1" maxOccurs="1"/>
      <element name="Price" minOccurs="0" maxOccurs="1" type="pd:tyPriceSignedTwoDecimals"/>
      <element name="Iceberg" minOccurs="0" maxOccurs="1" type="pd:Iceberg"/>
      <element name="ExternalNotes" type="pd:ty16len" minOccurs="0"
maxOccurs="1"/>
    </sequence>
  </complexType>
  <complexType name="Iceberg">
    <sequence>
      <element name="HiddenQty" type="pd:tyQuantity" minOccurs="1" maxOccurs="1"/>
      <element name="DeltaPrice" minOccurs="1" maxOccurs="1" type="pd:tyPriceSignedTwoDecimals"/>
    </sequence>
  </complexType>

```

```

</complexType>
  <complexType name="tyOfferIntervalType">
    <simpleContent>
      <extension base="pd:tyPeriodIntervalType">
        <attribute name="type" type="pd:tyIntervalType" default="FH"
use="optional" />
      </extension>
    </simpleContent>
  </complexType>
</schema>

```

2.3 LTSOfferBasket

```

<?xml version="1.0" encoding="iso-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-LTS" xmlns:pd="urn:XML-LTS"
  elementFormDefault="qualified">
  <include schemaLocation="Types.xsd" />
  <include schemaLocation="LTSTypes.xsd" />
  <include schemaLocation="LTSOffer.xsd" />
  <include schemaLocation="LTSOfferManagement.xsd" />
  <complexType name="OffersBasket">
    <sequence>
      <element name="BasketId" type="int" minOccurs="0" maxOccurs="1"/>
      <element name="Execution" type="pd:tyOfferBasketExecution" minOccurs="1" maxOccurs="1"
default="None"/>
      <element name="Offers" minOccurs="0" maxOccurs="1" >
        <complexType>
          <sequence>
            <element name="Offers" type="pd:Offer" minOccurs="0" maxOccurs="unbounded"/>
            <element name="OffersManagement"
type="pd:OfferManagement" minOccurs="0" maxOccurs="unbounded"/>
          </sequence>
        </complexType>
      </element>

```

```
</sequence>  
</complexType>  
</schema>
```



2.4 LTSOfferManagement

```
<?xml version="1.0" encoding="iso-8859-1"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-LTS" xmlns:pd="urn:XML-LTS"
  elementFormDefault="qualified">
  <include schemaLocation="Types.xsd" />
  <include schemaLocation="LTSTypes.xsd" />
  <complexType name="OfferManagement">
    <sequence>
      <!-- Id dell'offerta che si sta modificando -->
      <element name="OfferId" type="long" minOccurs="1" maxOccurs="1"/>
      <element name="Operation" type="pd:tyOfferManagementOperation" minOccurs="1"
maxOccurs="1"/>
      <!-- Valorizzati se Operazione è Edit -->
      <element name="Qty" type="pd:tyQuantity" minOccurs="0" maxOccurs="1"/>
      <element name="Price" type="pd:tyPriceSignedTwoDecimals" minOccurs="0" maxOccurs="1"/>
      <element name="HiddenQty" type="pd:tyQuantity" minOccurs="0" maxOccurs="1"/>
      <element name="DeltaPrice" type="pd:tyPriceSignedTwoDecimals" minOccurs="0"
maxOccurs="1"/>
      <element name="XbidOrderId" type="long" minOccurs="0" maxOccurs="1" />
      <element name="XbidRevision" type="long" minOccurs="0" maxOccurs="1" />
    </sequence>
  </complexType>
</schema>
```

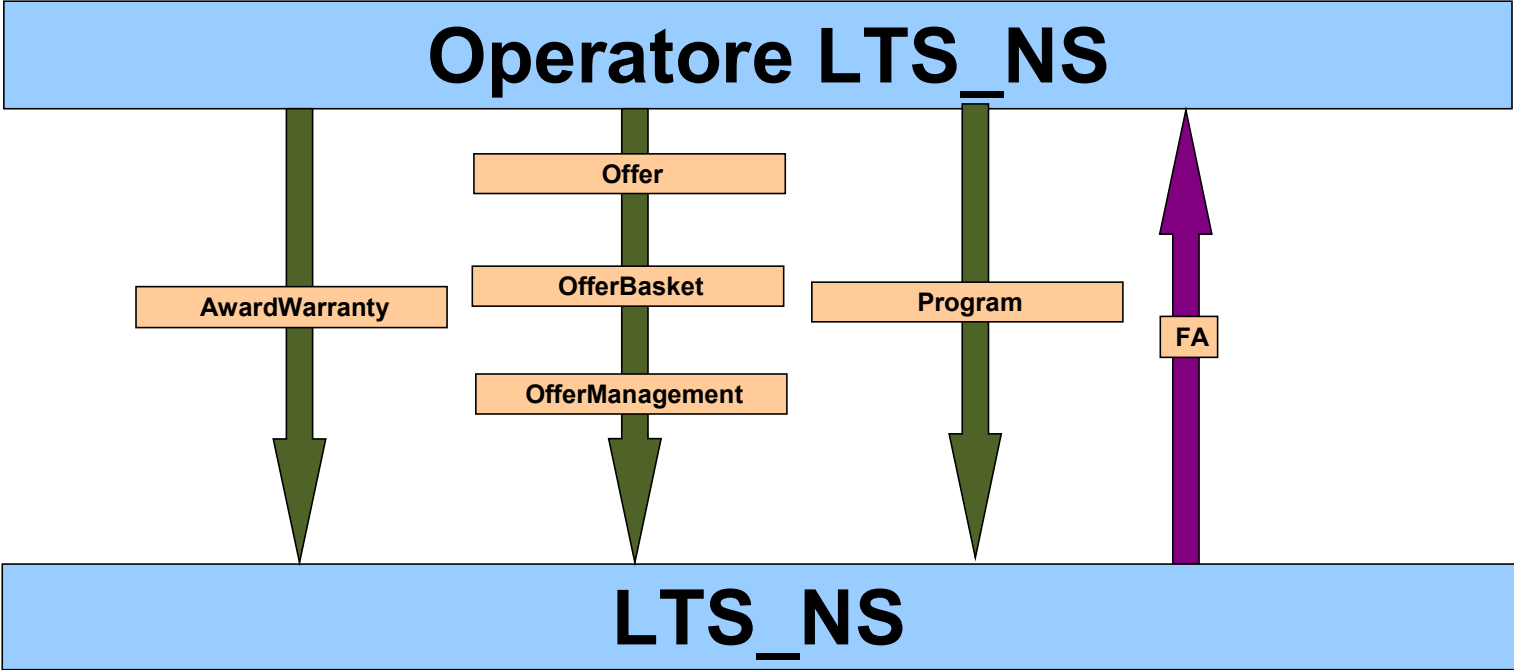
2.5 LTSProgram

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

  <complexType name="Program">
    <sequence>
      <element name="OperatorCode" type="pd:ty16len" minOccurs="1" maxOccurs="1"/>
      <element name="FlowDate" type="date" minOccurs="1" maxOccurs="1"/>
      <element name="UnitId" type="pd:ty16len" minOccurs="1" maxOccurs="1"/>
      <element name="Interval" type="pd:tyPeriodIntervalType" minOccurs="1" maxOccurs="1"/>
      <element name="Direction" type="pd:tyProgramDirection" minOccurs="1" maxOccurs="1"/>
      <element name="OperationType" type="pd:tyProgramOperationType" minOccurs="1"
maxOccurs="1"/>
      <element name="Qty" type="pd:tyQuantityPrg" minOccurs="1" maxOccurs="1"/>
    </sequence>
  </complexType>
</schema>
```

2.6 LTSFunctionalAcknowledgment

```
<?xml version="1.0" encoding="iso-8859-1" ?>
<schema
  xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:XML-LTS"
  xmlns:pd="urn:XML-LTS"
  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="long" use="optional"/></attribute>
  </complexType>
</schema>
```



LTSAwardWarranty Implementation Guide for LTS_NS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurances Min/Max	Field Length	Definition
Message			Request	1/1	N/A	
Version	A	1.0	N/A	1/1	N/A	Identifies the version of the LtsMessageSchema
Encoding	A	iso-8859-1	N/A	1/1	N/A	
xmlns:xsi	A	http://www.w3.org/2001/XMLSchema-instance	N/A	1/1	N/A	Associates the actual schema instance being used to the name space.
xmlns:xsd	A	http://www.w3.org/2001/XMLSchema	N/A	1/1	N/A	Defines the schema instance being used.
MessageType	A	Response	N/A	1/1	N/A	Message Type
MessageDate	A	Valid Date	YYYY-MM-DD	1/1	N/A	Date of the message
MessageTime	A	Valid Time Stamp	HH:MM:SS.1234567Z	1/1	N/A	Time of the message
MessageCode	A	integer		0/1	N/A	
xmlns	A	urn:XML-LTS	N/A	1/1	N/A	identifies the xml namespace
Header	E	(see Header data structure)	N/A	1/1	N/A	Sender and recipient of the message
Transaction	E	(see Transaction data structure)	N/A	1 or more	N/A	Transaction Container
Header	E				N/A	
Sender	E	(see Sender data structure)		1/1	N/A	message sender
Receiver	E	(see Receiver data structure)		1/1	N/A	message receiver
Sender						
CompanyName	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	
Receiver				1/1		
CompanyName	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	The unique identifier of the Receiver
Transaction				1 or more		
AwardWarranty	E					
AwardWarranty			N/A		N/A	
OperatorCode	E		string	1/1	min=1 max=16	
TradingDate	E		date	1/1		
FlowDate	E		date	1/1		
Amount	E	^d(1,18)(\d(1,3))?\$	string	1/1		

LTSoffer Implementation Guide for LTS_NS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences Min/Max	Field Length	Definition
Message			Request	1/1	N/A	
Version	A	1.0	N/A	1/1	N/A	Identifies the version of the LtsMessageSchema
Encoding	A	iso-8859-1	N/A	1/1	N/A	
xmlns:xsi	A	http://www.w3.org/2001/XMLSchema-instance	N/A	1/1	N/A	Associates the actual schema instance being used to the name space.
xmlns:xsd	A	http://www.w3.org/2001/XMLSchema	N/A	1/1	N/A	Defines the schema instance being used.
MessageType	A	Response	N/A	1/1	N/A	Message Type
MessageDate	A	Valid Date	YYYY-MM-DD	1/1	N/A	Date of the message
MessageTime	A	Valid Time Stamp	HH:MM:SS.1234567Z	1/1	N/A	Time of the message
MessageCode	A		integer	0/1	N/A	
xmlns	A	urn:XML-LTS	N/A	1/1	N/A	identifies the xml namespace
Header	E	(see Header data structure)	N/A	1/1	N/A	Sender and recipient of the message
Transaction	E	(see Transaction data structure)	N/A	1 or more	N/A	Transaction Container
Header	E				N/A	
Sender	E	(see Sender data structure)		1/1	N/A	message sender
Receiver	E	(see Receiver data structure)		1/1	N/A	message receiver
Sender						
CompanyName	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	
Receiver				1/1		
CompanyName	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	The unique identifier of the Receiver
Transaction				1 or more		
Offer	E	(see Offer data structure)		1 or more		
Offer	E					
OfferId	E	N/A	long	0/0	N/A	not used
OperatorCode	E	N/A	string	1/1	min=1 max=16	
FlowDate	E	N/A	date	1/1	N/A	
ZoneCode	E	N/A	string	1/1	min=1 max=8	
UnitId	E	N/A	string	1/1	min=1 max=8	
Interval	E	(see OfferIntervalType data structure)	integer	1/1	min=1 max=100	
Purpose	E	B,S	string	1/1	N/A	
Status	E	A,H	string	1/1	N/A	
Execution	E	Normal, ExecuteAndDelete, ExecuteOrDelete, AllOrNothing	string	0/1	N/A	default="Normal"
Mode	E	GFS, GTD, NON	string	0/1		default="NON"
ExpiryTime	E	N/A	dateTime	0/1	N/A	
Qty	E	^d(1,3)(,ld(1,3))?	string	1/1	N/A	
Price	E	^[-+]?d(1,6)(,ld(1,2))?\$	string	0/1	N/A	
Iceberg	E	(see Iceberg data structure)	A/N	0/1	N/A	
ExternalNotes	E	N/A	string	0/1	min=1 max=16	
Iceberg	E					
HiddenQty	E	^d(1,3)(,ld(1,3))?	string	1/1		
DeltaPrice	E	^[-+]?d(1,6)(,ld(1,2))?\$	string	1/1		
OfferIntervalType	E					
Type	A	FH,HH,QH	string	0/1		default="FH"

LTSOfferBasket Implementation Guide for LTS_NS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences Min/Max	Field Length	Definition
Message			Request	1/1	N/A	
Version	A	1.0	N/A	1/1	N/A	Identifies the version of the LtsMessageSchema
Encoding	A	iso-8859-1	N/A	1/1	N/A	
xmlns:xsi	A	http://www.w3.org/2001/XMLSchema-instance	N/A	1/1	N/A	Associates the actual schema instance being used to the name space.
xmlns:xsd	A	http://www.w3.org/2001/XMLSchema	N/A	1/1	N/A	Defines the schema instance being used.
MessageType	A	Response	N/A	1/1	N/A	Message Type
MessageDate	A	Valid Date	YYYY-MM-DD	1/1	N/A	Date of the message
MessageTime	A	Valid Time Stamp	HH:MM:SS.1234567Z	1/1	N/A	Time of the message
MessageCode	A		integer	0/1	N/A	
xmlns	A	urn:XML-LTS	N/A	1/1	N/A	Identifies the xml namespace
Header	E	(see Header data structure)	N/A	1/1	N/A	Sender and recipient of the message
Transaction	E	(see Transaction data structure)	N/A	1 or more	N/A	Transaction Container
Header	E				N/A	
Sender	E	(see Sender data structure)		1/1	N/A	message sender
Receiver	E	(see Receiver data structure)		1/1	N/A	message receiver
Sender	E					
CompanyName	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	
Receiver	E					
CompanyName	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	The unique identifier of the Receiver
Transaction						
OffersBasket	E			1 or more		
OffersBasket						
BasketId	E		int	0/1		not used
Execution	E	None,Valid_Link	string	1/1		default=None
Offers		(see Offers data structure)		0/1		
Offers	E				N/A	
Offers		(see Offers data structure)		0 or more		
OfferManagement		(see OfferManagement data structure)		0 or more		
Offers					N/A	
OfferId	E	N/A	long	0/0	N/A	not used
OperatorCode	E	N/A	string	1/1	min=1 max=16	
FlowDate	E	N/A	date	1/1	N/A	
ZoneCode	E	N/A	string	1/1	min=1 max=8	
UnitId	E	N/A	string	1/1	min=1 max=8	
Interval	E	(see OfferIntervalType data structure)	integer	1/1	min=1 max=100	
Purpose	E	B,S	string	1/1	N/A	
Status	E	A,H	string	1/1	N/A	
Execution	E	Normal, ExecuteAndDelete,ExecuteOrDelete,All OrNothing	string	0/1	N/A	default="Normal"
Mode	E	GFS, GTD, NON	string	0/1		default="NON"
ExpiryTime	E	N/A	dateTime	0/1	N/A	
Qty	E	^d{1,3}(\.d{1,3})?	string	1/1	N/A	
Price	E	^-+]?d{1,6}(\.d{1,2})?$	string	0/1	N/A	
Iceberg	E	(see Iceberg data structure)	A/N	0/1	N/A	
ExternalNotes	E	N/A	string	0/1	min=1 max=16	
OfferManagement						
OfferId	E		long	1/1		Id dell'offerta che si sta modificando
Operation	E	Edit,Hide,Discover,Revoke	string	1/1		
Qty	E	^d{1,3}(\.d{1,3})?$	string	0/1		Not present if operation is not "Edit"
Price	E	^-+]?d{1,6}(\.d{1,2})?$	string	0/1		Not present if operation is not "Edit"
HiddenQty	E		string	0/1		not used
XbidOrderid	E		long	0/1		not used
XbidRevision	E		long	0/1		not used
DeltaPrice	E	^-+]?d{1,6}(\.d{1,2})?$	string	0/1		not used

LTSOfferManagement Implementation Guide for LTS_NS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences Min/Max	Field Length	Definition
Message						
Version	A	1.0	N/A	1/1	N/A	Identifies the version of the LtsMessageSchema
Encoding	A	iso-8859-1	N/A	1/1	N/A	
xmlns:xsi	A	http://www.w3.org/2001/XMLSchema-instance	N/A	1/1	N/A	Associates the actual schema instance being used to the name space.
xmlns:xsd	A	http://www.w3.org/2001/XMLSchema	N/A	1/1	N/A	Defines the schema instance being used.
MessageType	A	Response	N/A	1/1	N/A	Message Type
MessageDate	A	Valid Date	YYYY-MM-DD	1/1	N/A	Date of the message
MessageTime	A	Valid Time Stamp	HH:MM:SS.1234567Z	1/1	N/A	Time of the message
MessageCode	A		integer	0/1	N/A	
xmlns	A	urn:XML-LTS	N/A	1/1	N/A	identifies the xml namespace
Header	E	(see Header data structure)	N/A	1/1	N/A	Sender and recipient of the message
Transaction	E	(see Transaction data structure)	N/A	1 or more	N/A	Transaction Container
Header						
Sender	E	(see Sender data structure)		1/1	N/A	message sender
Receiver	E	(see Receiver data structure)		1/1	N/A	message receiver
Sender						
CompanyName	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	
Receiver						
CompanyName	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	The unique identifier of the Receiver
Transaction						
OfferManagement	E			1 or more		
OfferManagement						
OfferId	E		long	1/1		Id dell'offerta che si sta modificando
Operation	E	Edit,Hide,Discover,Rev oke	string	1/1		
Qty	E	^d{1,3}(\.d{1,3})?&	string	0/1		Not present if operation is not "Edit"
Price	E	^[+-]?d{1,6}(\.d{1,2})?&	string	0/1		Not present if operation is not "Edit"
HiddenQty	E		string	0/1		not used
XbidOrderId	E		long	0/1		not used
XbidRevision	E		long	0/1		not used
DeltaPrice	E	^[+-]?d{1,6}(\.d{1,2})?&	string	0/1		not used

LTSPProgram Implementation Guide for LTS_NS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences Min/Max	Field Length	Definition
Message						
Version	A	1.0	Request	1/1	N/A	
Encoding	A	iso-8859-1	N/A	1/1	N/A	Identifies the version of the LtsMessageSchema
xmns:xsi	A	http://www.w3.org/2001/XMLSchema-instance	N/A	1/1	N/A	Associates the actual schema instance being used to the name space.
xmns:xsd	A	http://www.w3.org/2001/XMLSchema	N/A	1/1	N/A	Defines the schema instance being used.
MessageType	A	Response	N/A	1/1	N/A	Message Type
MessageDate	A	Valid Date	YYYY-MM-DD	1/1	N/A	Date of the message
MessageTime	A	Valid Time Stamp	HH:MM:SS.1234567Z	1/1	N/A	Time of the message
MessageCode	A		integer	0/1	N/A	
xmns	A	urn:XML-LTS	N/A	1/1	N/A	identifies the xml namespace
Header	E	(see Header data structure)	N/A	1/1	N/A	Sender and recipient of the message
Transaction	E	(see Transaction data structure)	N/A	1 or more	N/A	Transaction Container
Header						
Sender	E				N/A	
Receiver	E	(see Receiver data structure)		1/1	N/A	message sender
Receiver	E	(see Receiver data structure)		1/1	N/A	message receiver
Sender						
Company Name	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	
Receiver						
Company Name	E		N/A	0/1	min=1 max=60	The Name of the Sender
UserMsgCode	E		N/A	0/1	min=1 max=50	The unique identifier for the user who sends
OperatorMsgCode	E		N/A	1/1	min=1 max=16	The unique identifier of the Receiver
Transaction						
Program	E			1 or more		
Program						
OperatorCode	E		string	1/1	min=1 max=16	
FlowDate	E		date	1/1	min=19000101 max = 29001231	
UnitId	E		string	1/1	min=1 max=16	
Interval	E		integer	1/1	min=1 max = 100	
Direction	E	I (Immissione), W (Prelievo)	string	1/1		
OperationType	E	SUB (sottomesso), REVOKE (Revocato)	string	1/1		
Qty	E	^d{1,3}(\d{1,3})?\$	string	1/1		senza separatore migliaia solo intero senza decimali senza segno/ senza separatore migliaia con al massimo 1 decimali senza segno

FunctionalAcknowledgement Implementation Guide for LTS_NS

Element / Attribute names	Attribute / Element	Valid Information in Field (enumeration)	Data Type	Occurrences Min/Max	Field Length	Definition
Message						
Version	A	1.0	N/A	1 for file	N/A	
Encoding	A	iso-8859-1	N/A	1/1	N/A	Identifies the version of the LtsMessageSchema
xmns:xsl	A	http://www.w3.org/2001/XMLSchema	N/A	1/1	N/A	Associates the actual schema instance being used to the name space.
xmns:xsd	A	http://www.w3.org/2001/XMLSchema	N/A	1/1	N/A	Defines the schema instance being used.
MessageType	A	Response	N/A	1/1	N/A	Message Type
MessageDate	A	Valid Date	YYYY-MM-DD	1/1	N/A	Date of the message
MessageTime	A	Valid Time Stamp	HH:MM:SS.TZ345677	1/1	N/A	Time of the message
ResponseMessageStatus		Accepted/Rejected		1/1	N/A	
xmns	A	urn:XML-LTS	N/A	1/1	N/A	identifies the xml namespace
Header	E	(see Header data structure)	N/A	1/1	N/A	Sender and recipient of the message
Transaction	E	(see Transaction data structure)	N/A	1 or more	N/A	Transaction Container
ResponseReferenceMessageCode	A					
ResponseMessageStatus	A		Accepted/Rejected/PartiallyAccepted			In the CeFunctionalAcknowledgment transaction indicates: 1. If the document is accepted (Accept) which means that all the transactions in the document have passed validation, partially accepted (Partial) which means that at least one transaction has been rejected, or rejected (Reject) which means that all the transaction have been rejected. 2. That a single transaction has been accepted or rejected.
Header						
Sender	E	(see Sender data structure)		1/1		message sender
Receiver	E	(see Receiver data structure)		1/1		message receiver
Sender						
OperatorMsgCode	E	(IDGME)	A/N	1/1	min=1 max=16	The unique identifier of the Sender
Receiver						
Transaction						
FunctionalAcknowledgement				1 or more		
RejectInformation						
FunctionalAcknowledgement						
pd:RejectInformation	E	(see RejectInformation data structure)		0 or more		
TransactionType	A		string	optional		
Status	A	pd:tyTransactionStatus	boolean	required		
MPN	A		string	optional		
XmlOrder	A		int	required		
Refid*	A		long	optional		
Reject Information						
Reason	E		string		min=0 max=32	
ReasonText	E		string	0/1	min=0 max=1024	