

Schema documentation for DigitalModels.xsd

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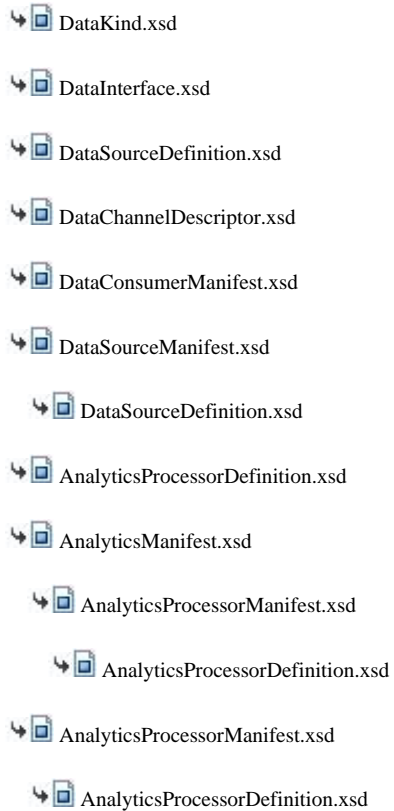
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Resource hierarchy:

Legend:  Import,  Include,  Redefine,  Cycle detected

DigitalModels.xsd



Namespace: "eu:faredge:faredgedm"

Schema(s)

Main schema DigitalModels.xsd

Namespace	eu:faredge:faredgedm
Properties	attribute form default: unqualified
	element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element(s)

Element `dm:FarEdgeDM`

Namespace	eu:faredge:faredgedm				
Annotations	FAR-Edge Digital Model				
Diagram					
Properties	content:	complex			
Model	dm:description{0,1} , dm:AdditionalInformation* , dm:FDEM , dm:DataDefinitions , dm:DataManipulation , dm:EdgeGateway* , dm:LiveDataSet*				
Children	dm:AdditionalInformation, dm:DataDefinitions, dm:DataManipulation, dm:EdgeGateway, dm:FDEM, dm:LiveDataSet, dm:description				
Instance	<pre><dm:FarEdgeDM id=" " name=" " namespace=" " xmlns:dm="eu:faredge:faredgedm"> <dm:description>{0,1}</dm:description> <dm:AdditionalInformation>{0,unbounded}</dm:AdditionalInformation> <dm:FDEM>{1,1}</dm:FDEM> <dm:DataDefinitions>{1,1}</dm:DataDefinitions> <dm:DataManipulation>{1,1}</dm:DataManipulation> <dm:EdgeGateway id=" " macAddress=" " name=" " namespace=" ">{0,unbounded}</dm:EdgeGateway> <dm:LiveDataSet DataSourceManifestReferenceID=" " mobile="false">{0,unbounded}</dm:LiveDataSet> </dm:FarEdgeDM></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
	name	xs:string			optional
	namespace	xs:string			optional
	For scope hierarchy.				
Source	<xs:element name="FarEdgeDM">				

```

<xs:annotation>
  <xs:documentation>FAR-Edge Digital Model</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="description" minOccurs="0" type="xs:string">
      <xs:annotation>
        <xs:documentation>Textual description for the FAR-EDGE Digital Model</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element maxOccurs="unbounded" minOccurs="0" ref="dm:AdditionalInformation"/>
    <xs:element name="FDEM">
      <xs:annotation>
        <xs:documentation>Functional Domains and crosscutting functions Entity Mapping (FDEM).
Entity mapping between (Automation, Analytics, Simulation) and (Field Abstraction and Data
Routing).</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="SDRMs">
          <xs:annotation>
            <xs:documentation>Simulation and Data Routing Mappings</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:complexType>
          <xs:sequence>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="SDRM">
              <xs:annotation>
                <xs:documentation>Simulation and Data Routing Mapping.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:complexType>
              <xs:sequence>
                <xs:element name="DataSourceManifestReferenceID" type="xs:anyURI">
                  <xs:annotation>
                    <xs:documentation>The Reference ID of an existing Data Source Manifest
of the Data Routing function.</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element name="SimulationLogicalEntityAttributeReferenceID"
type="xs:anyURI">
                  <xs:annotation>
                    <xs:documentation>The Reference ID of an existing Logical Entity
Attribute of Simulation Domain.</xs:documentation>
                  </xs:annotation>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:sequence>
        </xs:complexType>
      </xs:sequence>
    </xs:complexType>
  </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="DataDefinitions">
  <xs:annotation>
    <xs:documentation>Digital Models Data Definitions</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="dsd:DSD"/>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="di:DI"/>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="dt:DK"/>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="apd:APD"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DataManipulation">
  <xs:annotation>
    <xs:documentation>Digital Models Data Manipulation</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="dcd:DCD"/>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="apm:APM"/>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="am:AM"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element ref="dm:EdgeGateway" maxOccurs="unbounded" minOccurs="0"/>
<xs:element ref="dm:LiveDataSet" maxOccurs="unbounded" minOccurs="0"/>
</xs:sequence>
<xs:attribute name="id" type="xs:anyURI"/>

```

	<pre> <xs:attribute name="name" type="xs:string"/> <xs:attribute name="namespace" type="xs:string"> <xs:annotation> <xs:documentation>For scope hierarchy.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element **dm:FarEdgeDM** / **dm:description**

Namespace	eu:faredge:faredgedm				
Annotations	Textual description for the FAR-EDGE Digital Model				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre> <xs:element name="description" minOccurs="0" type="xs:string"> <xs:annotation> <xs:documentation>Textual description for the FAR-EDGE Digital Model</xs:documentation> </xs:annotation> </xs:element> </pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd				

Element **dm:AdditionalInformation**

Namespace	eu:faredge:faredgedm
Annotations	Optional auxiliary field that may contain any additional information
Diagram	
Used by	Elements dm:EdgeGateway , dm:FarEdgeDM
Source	<pre> <xs:element name="AdditionalInformation" type="xs:anyType"> <xs:annotation> <xs:documentation>Optional auxiliary field that may contain any additional information</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element **dm:FarEdgeDM** / **dm:FDEM**

Namespace	eu:faredge:faredgedm
Annotations	Functional Domains and crosscutting functions Entity Mapping (FDEM). Entity mapping between (Automation, Analytics, Simulation) and (Field Abstraction and Data Routing).

Diagram	<p>Functional Domains and crosscutting functions Entity Mapping (FDEM). Entity mapping between (Automation, Analytics, Simulation) and (Field Abstraction and Data Routing).</p> <p>Simulation and Data Routing Mappings</p>
Properties	content: complex
Model	dm:SDRMs{0,1}
Children	dm:SDRMs
Instance	<pre><dm:FDEM xmlns:dm="eu:faredge:faredgedm"> <dm:SDRMs>{0,1}</dm:SDRMs> </dm:FDEM></pre>
Source	<pre><xs:element name="FDEM"> <xs:annotation> <xs:documentation>Functional Domains and crosscutting functions Entity Mapping (FDEM). Entity mapping between (Automation, Analytics, Simulation) and (Field Abstraction and Data Routing).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element minOccurs="0" name="SDRMs"> <xs:annotation> <xs:documentation>Simulation and Data Routing Mappings</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" name="SDRM"> <xs:annotation> <xs:documentation>Simulation and Data Routing Mapping.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of an existing Data Source Manifest of the Data Routing function.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SimulationLogicalEntityAttributeReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of an existing Logical Entity Attribute of Simulation Domain.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element dm:FarEdgeDM / dm:FDEM / dm:SDRMs

Namespace	eu:faredge:faredgedm
Annotations	Simulation and Data Routing Mappings
Diagram	<p>Simulation and Data Routing Mappings</p> <p>Simulation and Data Routing Mapping</p>
Properties	content: complex

	minOccurs: 0
Model	dm:SDRM*
Children	dm:SDRM
Instance	<pre><dm:SDRMs xmlns:dm="eu:faredge:faredgedm"> <dm:SDRM id="">{0,unbounded}</dm:SDRM> </dm:SDRMs></pre>
Source	<pre><xs:element minOccurs="0" name="SDRMs"> <xs:annotation> <xs:documentation>Simulation and Data Routing Mappings</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" name="SDRM"> <xs:annotation> <xs:documentation>Simulation and Data Routing Mapping.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of an existing Data Source Manifest of the Data Routing function.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SimulationLogicalEntityAttributeReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of an existing Logical Entity Attribute of Simulation Domain.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="id" type="xs:anyURI"/> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element dm:FarEdgeDM / dm:FDEM / dm:SDRMs / dm:SDRM

Namespace	eu:faredge:faredgedm
Annotations	Simulation and Data Routing Mapping.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	dm:DataSourceManifestReferenceID , dm:SimulationLogicalEntityAttributeReferenceID
Children	dm:DataSourceManifestReferenceID, dm:SimulationLogicalEntityAttributeReferenceID
Instance	<pre><dm:SDRM id="" xmlns:dm="eu:faredge:faredgedm"> <dm:DataSourceManifestReferenceID>{1,1}</dm:DataSourceManifestReferenceID> <dm:SimulationLogicalEntityAttributeReferenceID>{1,1}</dm:SimulationLogicalEntityAttributeReferenceID> </dm:SDRM></pre>

Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
Source	<pre> <xs:element maxOccurs="unbounded" minOccurs="0" name="SDRM"> <xs:annotation> <xs:documentation>Simulation and Data Routing Mapping.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of an existing Data Source Manifest of the Data Routing function.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SimulationLogicalEntityAttributeReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of an existing Logical Entity Attribute of Simulation Domain.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="id" type="xs:anyURI" /> </xs:complexType> </xs:element> </pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd				

Element `dm:FarEdgeDM` / `dm:FDEM` / `dm:SDRMs` / `dm:SDRM` / `dm:DataSourceManifestReferenceID`

Namespace	eu:faredge:faredgedm		
Annotations	The Reference ID of an existing Data Source Manifest of the Data Routing function.		
Diagram	<div><div><div>DataSourceManifestReferenceID</div><div>Type xs:anyURI</div></div><div>The Reference ID of an existing Data Source Manifest of the Data Routing function.</div><div><div>xs:anyURI</div><div>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</div></div></div>		
Type	xs:anyURI		
Properties	content:	simple	
Source	<xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of an existing Data Source Manifest of the Data Routing function.</xs:documentation> </xs:annotation> </xs:element>		
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd		

Element `dm:FarEdgeDM` / `dm:FDEM` / `dm:SDRMs` / `dm:SDRM` / `dm:SimulationLogicalEntityAttributeReferenceID`

Namespace	eu:faredge:faredgedm
Annotations	The Reference ID of an existing Logical Entity Attribute of Simulation Domain.
Diagram	<div><div><div>SimulationLogicalEntityAttributeReferenceID</div><div>Type xs:anyURI</div></div><div>The Reference ID of an existing Logical Entity Attribute of Simulation Domain.</div></div> <div><div>xs:anyURI</div><div>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</div></div>
Type	xs:anyURI
Properties	content: simple
Source	<pre><xs:element name="SimulationLogicalEntityAttributeReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of an existing Logical Entity Attribute of Simulation Domain.</xs:documentation> </xs:annotation> </xs:element></pre>

Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd
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Element **dm:FarEdgeDM** / **dm:DataDefinitions**

Namespace	eu:faredge:faredgedm
Annotations	Digital Models Data Definitions
Diagram	
Properties	content: complex
Model	dsd:DSD* , dt:DI* , dt:DK* , apd:APD*
Children	apd:APD, dsd:DSD, dt:DI, dt:DK
Instance	<pre><dm:DataDefinitions xmlns:dm="eu:faredge:faredgedm" xmlns:dsd="eu:faredge:drpp:dsd" xmlns:di="eu:faredge:drpp:di" > <dsd:DSD id="">{0,unbounded}</dsd:DSD> <di:DI id="">{0,unbounded}</di:DI> <dt:DK id="">{0,unbounded}</dt:DK> <apd:APD id="" name="">{0,unbounded}</apd:APD> </dm:DataDefinitions></pre>
Source	<pre><xs:element name="DataDefinitions"> <xs:annotation> <xs:documentation>Digital Models Data Definitions</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" ref="dsd:DSD"/> <xs:element maxOccurs="unbounded" minOccurs="0" ref="di:DI"/> <xs:element maxOccurs="unbounded" minOccurs="0" ref="dt:DK"/> <xs:element maxOccurs="unbounded" minOccurs="0" ref="apd:APD"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element **dm:FarEdgeDM** / **dm:DataManipulation**

Namespace	eu:faredge:faredgedm
Annotations	Digital Models Data Manipulation
Diagram	
Properties	content: complex
Model	dcd:DCD* , apm:APM* , am:AM*
Children	am:AM, apm:APM, dcd:DCD
Instance	<pre><dm:DataManipulation xmlns:dm="eu:faredge:faredgedm" xmlns:dcd="eu:faredge:drpp:dcd" xmlns:apm="eu:faredge:ea:proc" > <dcd:DCD id="">{0,unbounded}</dcd:DCD> <apm:APM id="">{0,unbounded}</apm:APM> <am:AM id="">{0,unbounded}</am:AM> </dm:DataManipulation></pre>

	<code></dm:DataManipulation></code>
Source	<pre> <xs:element name="DataManipulation"> <xs:annotation> <xs:documentation>Digital Models Data Manipulation</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" ref="dcd:DCD"/> <xs:element maxOccurs="unbounded" minOccurs="0" ref="apm:APM"/> <xs:element maxOccurs="unbounded" minOccurs="0" ref="am:AM"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element dm:EdgeGateway

Namespace	eu:faredge:faredgedm
Annotations	The FAR-EDGE Edge Gateway
Diagram	
Properties	content: complex
Used by	Element dm:FarEdgeDM
Model	dm:description{0,1} , dm:Location{0,1} , dm:AdditionalInformation* , dm:DataManifests , dm:DataManipulation , dm:LiveDataSet*
Children	dm:AdditionalInformation, dm:DataManifests, dm:DataManipulation, dm:LiveDataSet, dm:Location, dm:description
Instance	<pre> <dm:EdgeGateway id="" macAddress="" name="" namespace="" xmlns:dm="eu:faredge:faredgedm"> <dm:description>{0,1}</dm:description> <dm:Location>{0,1}</dm:Location> <dm:AdditionalInformation>{0,unbounded}</dm:AdditionalInformation> <dm:DataManifests>{1,1}</dm:DataManifests> <dm:DataManipulation>{1,1}</dm:DataManipulation> </pre>

	<pre><dm:LiveDataSet DataSourceManifestReferenceID=" " mobile="false">{0,unbounded}</dm:LiveDataSet> </dm:EdgeGateway></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
	macAddress	xs:string			optional
	name	xs:string			optional
	namespace	xs:string			optional
	For scope hierarchy.				
Source	<pre><xs:element name="EdgeGateway"> <xs:annotation> <xs:documentation>The FAR-EDGE Edge Gateway</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="description" minOccurs="0" type="xs:string"> <xs:annotation> <xs:documentation>Textual description for the FAR-EDGE Edge Gateway</xs:documentation> </xs:annotation> </xs:element> <xs:element minOccurs="0" ref="dm:Location"> <xs:annotation> <xs:documentation>The Edge Gateway location</xs:documentation> </xs:annotation> </xs:element> <xs:element maxOccurs="unbounded" minOccurs="0" ref="dm:AdditionalInformation"/> <xs:element name="DataManifests"> <xs:annotation> <xs:documentation>Edge Gateway Data Manifests</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="dsm:DSM" minOccurs="0"/> <xs:element maxOccurs="unbounded" ref="dcm:DCM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="DataManipulation"> <xs:annotation> <xs:documentation>Edge Gateway Data Manipulation</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" ref="apm:APM"/> <xs:element maxOccurs="unbounded" minOccurs="0" ref="am:AM"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="dm:LiveDataSet" maxOccurs="unbounded" minOccurs="0"/> </xs:sequence> <xs:attribute name="id" type="xs:anyURI"/> <xs:attribute name="name" type="xs:string"/> <xs:attribute name="namespace" type="xs:string"> <xs:annotation> <xs:documentation>For scope hierarchy.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="macAddress" type="xs:string"/> </xs:complexType> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd				

Element **dm:EdgeGateway** / **dm:description**

Namespace	eu:faredge:faredgedm
Annotations	Textual description for the FAR-EDGE Edge Gateway
Diagram	
Type	xs:string

Properties	content: simple
	minOccurs: 0
Source	<pre><xs:element name="description" minOccurs="0" type="xs:string"> <xs:annotation> <xs:documentation>Textual description for the FAR-EDGE Edge Gateway</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element **dm:Location**

Namespace	eu:faredge:faredgedm
Annotations	Indicating the location at which something took place
Diagram	
Properties	content: complex
Used by	Elements dm:EdgeGateway , dm:observation
Model	dm:geoLocation {0,1} dm:virtualLocation {0,1}
Children	dm:geoLocation , dm:virtualLocation
Instance	<pre><dm:Location xmlns:dm="eu:faredge:faredgedm"> <dm:geoLocation{0,1}</dm:geoLocation> <dm:virtualLocation{0,1}</dm:virtualLocation> </dm:Location></pre>
Source	<pre><xs:element name="Location"> <xs:annotation> <xs:documentation>Indicating the location at which something took place</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice> <xs:element maxOccurs="1" minOccurs="0" name="geoLocation"> <xs:annotation> <xs:documentation>Specifying a physical location (a pair of coordinates)</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="latitude" type="xs:string"/> <xs:element name="longitude" type="xs:string"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element minOccurs="0" name="virtualLocation" type="xs:anyURI"> <xs:annotation> <xs:documentation>Specifying a virtual location (it could be the ID of a resource or subsystem)</xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element **dm:Location** / **dm:geoLocation**

Namespace	eu:faredge:faredgedm
Annotations	Specifying a physical location (a pair of coordinates)

Diagram							
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	dm:latitude , dm:longitude						
Children	dm:latitude, dm:longitude						
Instance	<pre><dm:geoLocation xmlns:dm="eu:faredge:faredgedm"> <dm:latitude>{1,1}</dm:latitude> <dm:longitude>{1,1}</dm:longitude> </dm:geoLocation></pre>						
Source	<pre><xs:element maxOccurs="1" minOccurs="0" name="geoLocation"> <xs:annotation> <xs:documentation>Specifying a physical location (a pair of coordinates)</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="latitude" type="xs:string"/> <xs:element name="longitude" type="xs:string"/> </xs:sequence> </xs:complexType> </xs:element></pre>						
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd						

Element **dm:Location** / **dm:geoLocation** / **dm:latitude**

Namespace	eu:faredge:faredgedm		
Diagram			
Type	xs:string		
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		
Source	<pre><xs:element name="latitude" type="xs:string"/></pre>		
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd		

Element **dm:Location** / **dm:geoLocation** / **dm:longitude**

Namespace	eu:faredge:faredgedm		
Diagram			
Type	xs:string		
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		
Source	<pre><xs:element name="longitude" type="xs:string"/></pre>		
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd		

Element **dm:Location** / **dm:virtualLocation**

Namespace	eu:faredge:faredgedm
Annotations	Specifying a virtual location (it could be the ID of a resource or subsystem)

Diagram	
Type	xs:anyURI
Properties	content: simple minOccurs: 0
Source	<pre><xs:element minOccurs="0" name="virtualLocation" type="xs:anyURI"> <xs:annotation> <xs:documentation>Specifying a virtual location (it could be the ID of a resource or subsystem)</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element **dm:EdgeGateway** / **dm:DataManifests**

Namespace	eu:faredge:faredgedm
Annotations	Edge Gateway Data Manifests
Diagram	
Properties	content: complex
Model	dsm:DSM* , dcm:DCM*
Children	dcm:DCM, dsm:DSM
Instance	<pre><dm:DataManifests xmlns:dm="eu:faredge:faredgedm" xmlns:dsm="eu:faredge:drpp:dsm" xmlns:dcm="eu:faredge:drpp:dcm"> <dsm:DSM id=" " macAddress=" ">{0,unbounded}</dsm:DSM> <dcm:DCM id=" " macAddress=" ">{0,unbounded}</dcm:DCM> </dm:DataManifests></pre>
Source	<pre><xs:element name="DataManifests"> <xs:annotation> <xs:documentation>Edge Gateway Data Manifests</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="dsm:DSM" minOccurs="0"/> <xs:element maxOccurs="unbounded" ref="dcm:DCM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element **dm:EdgeGateway** / **dm:DataManipulation**

Namespace	eu:faredge:faredgedm
Annotations	Edge Gateway Data Manipulation
Diagram	
Properties	content: complex
Model	apm:APM* , am:AM*
Children	am:AM, apm:APM
Instance	<pre><dm:DataManipulation xmlns:dm="eu:faredge:faredgedm" xmlns:apm="eu:faredge:ea:processor" xmlns:am="eu:faredge:ea:orchestrator"> <apm:APM id=" " macAddress=" ">{0,unbounded}</apm:APM> <am:AM id=" " macAddress=" ">{0,unbounded}</am:AM> </dm:DataManipulation></pre>

	<pre> <apm:APM id="">{0,unbounded}</apm:APM> <am:AM id="">{0,unbounded}</am:AM> </dm:DataManipulation> </pre>
Source	<pre> <xs:element name="DataManipulation"> <xs:annotation> <xs:documentation>Edge Gateway Data Manipulation</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" ref="apm:APM"/> <xs:element maxOccurs="unbounded" minOccurs="0" ref="am:AM"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element dm:LiveDataSet

Namespace	eu:faredge:faredgedm				
Annotations	A generic type of Data Source Live measurements (physical or virtual)				
Diagram					
Properties	content:	complex			
Used by	Elements	dm:EdgeGateway, dm:FarEdgeDM			
Model	dm:timestamp{0,1} , dm:observation*				
Children	dm:observation, dm:timestamp				
Instance	<pre><dm:LiveDataSet DataSourceManifestReferenceID="" mobile="false" xmlns:dm="eu:faredge:faredgedm"> <dm:timestamp>{0,1}</dm:timestamp> <dm:observation DataKindReferenceID="" id="" name="">{0,unbounded}</dm:observation> </dm:LiveDataSet></pre>				
Attributes	QName	Type	Fixed	Default	Use
	DataSourceManifestReferenceID	xs:anyURI			optional
		The ID of the Data Source Manifest (physical or virtual) these observations refaire to.			
	mobile	xs:boolean		false	optional
		Identifies if the Edge node is mobile or not. If it is mobile the location field within the observation entity should be provided as well.			
Source	<pre><xs:element name="LiveDataSet"> <xs:annotation> <xs:documentation>A generic type of Data Source Live measurements (physical or virtual)</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element minOccurs="0" name="timestamp" type="xs:dateTime"/> <xs:element maxOccurs="unbounded" minOccurs="0" ref="dm:observation"/> </xs:sequence> <xs:attribute name="DataSourceManifestReferenceID" type="xs:anyURI"/> </xs:complexType> </xs:element></pre>				

	<pre> <xs:annotation> <xs:documentation>The ID of the Data Source Manifest (physical or virtual) these observations refaire to.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute default="false" name="mobile" type="xs:boolean"> <xs:annotation> <xs:documentation>Identifies if the Edge node is mobile or not. If it is mobile the location field within the observation entity should be provided as well.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element **dm:LiveDataSet** / **dm:timestamp**

Namespace	eu:faredge:faredgedm				
Diagram					
Type	xs:dateTime				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<code><xs:element minOccurs="0" name="timestamp" type="xs:dateTime" /></code>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd				

Element **dm:observation**

Namespace	eu:faredge:faredgedm		
Annotations	The Node Measurement		
Diagram			
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Used by	Element dm:LiveDataSet		
Model	dm:timestamp{0,1} , dm:Location{0,1} , dm:value		
Children	dm:Location, dm:timestamp, dm:value		
Instance	<code><dm:observation DataKindReferenceID=" " id=" " name=" " xmlns:dm="eu:faredge:faredgedm"></code>		

	<pre> <dm:timestamp>{0,1}</dm:timestamp> <dm:Location>{0,1}</dm:Location> <dm:value>{1,1}</dm:value> </dm:observation> </pre>				
Attributes	QName	Type	Fixed	Default	Use
	DataKindReferenceID	xs:anyURI			optional
		The ID of the Data Kind this observation refaire to.			
	id	xs:anyURI			optional
	name	xs:string			optional
Source	<pre> <xs:element name="observation"> <xs:annotation> <xs:documentation>The Node Measurement</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element form="qualified" name="timestamp" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>The timestamp indicating the instant in which a measurement was acquired</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="dm:Location" minOccurs="0"> <xs:annotation> <xs:documentation>The location at which the measurement was taken if Edge Node's mobile attribute is true</xs:documentation> </xs:annotation> </xs:element> <xs:element name="value" type="xs:anyType" minOccurs="1"> <xs:annotation> <xs:documentation>Element providing the value of a measurement.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="id" type="xs:anyURI" /> <xs:attribute name="name" type="xs:string" /> <xs:attribute name="DataKindReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The ID of the Data Kind this observation refaire to.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd				

Element dm:observation / dm:timestamp

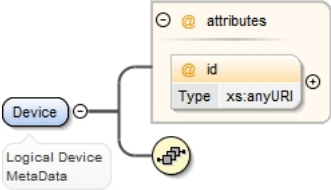
Namespace	eu:faredge:faredgedm
Annotations	The timestamp indicating the instant in which a measurement was acquired
Diagram	
Type	xs:dateTime
Properties	content: simple
	minOccurs: 0
Source	<pre> <xs:element form="qualified" name="timestamp" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>The timestamp indicating the instant in which a measurement was acquired</ xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element dm:observation / dm:value

Namespace	eu:faredge:faredgedm
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Annotations	Element providing the value of a measurement.
Diagram	
Properties	minOccurs: 1
Source	<pre><xs:element name="value" type="xs:anyType" minOccurs="1"> <xs:annotation> <xs:documentation>Element providing the value of a measurement.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Element dm:Device

Namespace	eu:faredge:faredgedm				
Annotations	Logical Device MetaData				
Diagram					
Properties	content:	complex			
Model					
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
Source	<pre><xs:element name="Device"> <xs:annotation> <xs:documentation>Logical Device MetaData</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> </xs:sequence> <xs:attribute name="id" type="xs:anyURI" /> </xs:complexType> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd				

Element dm:ProcessingDevices

Namespace	eu:faredge:faredgedm		
Annotations	Edge Gateway Processing Device (Edge Analytics) capabilities (metadata)		
Diagram	<p>The diagram illustrates the 'ProcessingDevices' element. It is represented by a blue rounded rectangle labeled 'ProcessingDevices'. Below this rectangle is a light gray callout box containing the text 'Edge Gateway Processing Device (Edge Analytics) capabilities (metadata)'. To the right of the 'ProcessingDevices' rectangle is a yellow circle containing a black icon of a server rack. A horizontal line connects the right side of the 'ProcessingDevices' rectangle to the left side of the yellow circle.</p>		
Properties	content:	complex	
Model			
Source	<pre><xs:element name="ProcessingDevices"> <xs:annotation></pre>		

	<pre> <xs:documentation>Edge Gateway Processing Device (Edge Analytics) capabilities (metadata)</ xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Namespace: "eu:faredge:drpp:dk"

Schema(s)

Imported schema DataKind.xsd

Namespace	eu:faredge:drpp:dk
Properties	attribute form default: unqualified element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataKind.xsd

Element(s)

Element dt:DK

Namespace	eu:faredge:drpp:dk				
Annotations	FAR-Edge Data Kind				
Diagram					
Properties	content:	complex			
Used by	Element	dm:FarEdgeDM/dm:DataDefinitions			
Model	dt:description{0,1} , dt:modelType{0,1} , dt:format{0,1} , dt:quantityKind{0,1}				
Children	dt:description, dt:format, dt:modelType, dt:quantityKind				
Instance	<pre><dt:DK id=" " xmlns:dt="eu:faredge:drpp:dk"> <dt:description>{0,1}</dt:description> <dt:modelType>{0,1}</dt:modelType> <dt:format>{0,1}</dt:format> <dt:quantityKind>{0,1}</dt:quantityKind> </dt:DK></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
Source	<pre><xs:element name="DK"> <xs:annotation> <xs:documentation>FAR-Edge Data Kind</xs:documentation></pre>				

	<pre> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element type="xs:string" name="description" minOccurs="0"> <xs:annotation> <xs:documentation>Provides an Optional description of the Data Kind</xs:documentation> </xs:annotation> </xs:element> <xs:element type="xs:string" name="modelType" minOccurs="0"> <xs:annotation> <xs:documentation>Specifies the Model type of the Data (i.e. SenML, OM, ...)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="format" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Specifies the format of the Data (i.e. JSON, XML,...)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="quantityKind" minOccurs="0" type="xs:anyURI"> <xs:annotation> <xs:documentation>A QuantityKind is an abstract classifier that represents the concept of "kind of quantity". A QuantityKind represents the essence of a quantity without any numerical value or unit. (e.g. A sensor -sensor1- measures temperature: sensor1 has quantityKind temperature)</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="id" type="xs:anyURI" /> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataKind.xsd

Element dt:DK / dt:description

Namespace	eu:faredge:drpp:dk				
Annotations	Provides an Optional description of the Data Kind				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre> <xs:element type="xs:string" name="description" minOccurs="0"> <xs:annotation> <xs:documentation>Provides an Optional description of the Data Kind</xs:documentation> </xs:annotation> </xs:element> </pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataKind.xsd				

Element dt:DK / dt:modelType

Namespace	eu:faredge:drpp:dk				
Annotations	Specifies the Model type of the Data (i.e. SenML, OM, ...)				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre> <xs:element type="xs:string" name="modelType" minOccurs="0"> <xs:annotation> <xs:documentation>Specifies the Model type of the Data (i.e. SenML, OM, ...)</xs:documentation> </xs:annotation> </xs:element> </pre>				

	<code></xs:element></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataKind.xsd

Element `dt:DK` / `dt:format`

Namespace	eu:faredge:drpp:dk				
Annotations	Specifies the format of the Data (i.e. JSON, XML,...)				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre><xs:element name="format" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Specifies the format of the Data (i.e. JSON, XML,...)</xs:documentation> </xs:annotation> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataKind.xsd				

Element `dt:DK` / `dt:quantityKind`

Namespace	eu:faredge:drpp:dk				
Annotations	A QuantityKind is an abstract classifier that represents the concept of "kind of quantity". A QuantityKind represents the essence of a quantity without any numerical value or unit. (e.g. A sensor -sensor1- measures temperature: sensor1 has quantityKind temperature)				
Diagram					
Type	xs:anyURI				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre><xs:element name="quantityKind" minOccurs="0" type="xs:anyURI"> <xs:annotation> <xs:documentation>A QuantityKind is an abstract classifier that represents the concept of "kind of quantity". A QuantityKind represents the essence of a quantity without any numerical value or unit. (e.g. A sensor -sensor1- measures temperature: sensor1 has quantityKind temperature)</xs:documentation> </xs:annotation> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataKind.xsd				

Namespace: "eu:faredge:drpp:di"**Schema(s)****Imported schema `DataInterface.xsd`**

Namespace	eu:faredge:drpp:di				
Properties	<table> <tr> <td>attribute form default:</td><td>unqualified</td></tr> <tr> <td>element form default:</td><td>qualified</td></tr> </table>	attribute form default:	unqualified	element form default:	qualified
attribute form default:	unqualified				
element form default:	qualified				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd				

Element(s)

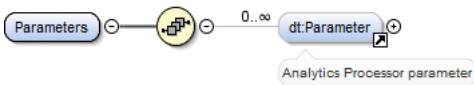
Element dt:DI

Namespace	eu:faredge:drpp:di				
Annotations	FAR-Edge Data Interface Specification				
Diagram					
Properties	content:	complex			
Used by	Element	dm:FarEdgeDM/dm:DataDefinitions			
Model	dt:communicationProtocol{0,1} , dt:Parameters				
Children	dt:Parameters, dt:communicationProtocol				
Instance	<pre><dt:DI id=" " xmlns:dt="eu:faredge:drpp:di"> <dt:communicationProtocol>{0,1}</dt:communicationProtocol> <dt:Parameters>{1,1}</dt:Parameters> </dt:DI></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
Source	<pre><xs:element name="DI"> <xs:annotation> <xs:documentation>FAR-Edge Data Interface Specification</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element type="xs:string" name="communicationProtocol" minOccurs="0"> <xs:annotation> <xs:documentation>Specifies the protocol Type (i.e. MQTT, JMS, OPCUA, HTTP ...)</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="dt:Parameters"/> </xs:sequence> <xs:attribute name="id" type="xs:anyURI" /> </xs:complexType> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd				

Element dt:DI / dt:communicationProtocol

Namespace	eu:faredge:drpp:di		
Annotations	Specifies the protocol Type (i.e. MQTT, JMS, OPCUA, HTTP ...)		
Diagram			
Type	xs:string		
Properties	content:	simple	
	minOccurs:	0	
Source	<pre><xs:element type="xs:string" name="communicationProtocol" minOccurs="0"> <xs:annotation> <xs:documentation>Specifies the protocol Type (i.e. MQTT, JMS, OPCUA, HTTP ...)</ xs:documentation> </xs:annotation> </xs:element></pre>		
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd		

Element dt:Parameters

Namespace	eu:faredge:drpp:di
Diagram	 The diagram shows the 'Parameters' element as a container for a sequence of 'dt:Parameter' elements. A note indicates that 'dt:Parameter' is an 'Analytics Processor parameter'.
Properties	content: complex
Used by	Element dt:DI
Model	dt:Parameter*
Children	dt:Parameter
Instance	<pre><dt:Parameters xmlns:dt="eu:faredge:drpp:di"> <dt:Parameter name=" ">{0,unbounded}</dt:Parameter> </dt:Parameters></pre>
Source	<pre><xs:element name="Parameters"> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" ref="dt:Parameter"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd

Element dt:Parameter

Namespace	eu:faredge:drpp:di														
Annotations	Analytics Processor parameter														
Diagram															
Properties	content:	complex													
Used by	Element	dt:Parameters													
Model	dt:description , dt:dataType , dt:defaultValue{0,1}														
Children	dt:dataType, dt:defaultValue, dt:description														
Instance	<pre><dt:Parameter name=" " xmlns:dt="eu:faredge:drpp:di"> <dt:description>{1,1}</dt:description> <dt:dataType>{1,1}</dt:dataType> <dt:defaultValue>{0,1}</dt:defaultValue> </dt:Parameter></pre>														
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr></thead><tbody><tr><td>name</td><td>xs:string</td><td></td><td></td><td>optional</td></tr></tbody></table>	QName	Type	Fixed	Default	Use	name	xs:string			optional				
QName	Type	Fixed	Default	Use											
name	xs:string			optional											
Source	<pre><xs:element name="Parameter"> <xs:annotation> <xs:documentation>Analytics Processor parameter</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="description" type="xs:anyType" minOccurs="1"> <xs:annotation> <xs:documentation>Element describing the value of an attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="dataType" type="xs:string" minOccurs="1"> <xs:annotation> <xs:documentation>A classification of data (i.e. short, int, float, boolean, ...) </xs:annotation> </xs:element> <xs:element name="defaultValue" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>A predefined default value for an attribute. </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>														

	<pre> </xs:element> <xs:element minOccurs="1" name="dataType" type="xs:string"> <xs:annotation> <xs:documentation>A classification of data (i.e. short, int, float, boolean, ...)</ xs:documentation> </xs:annotation> </xs:element> <xs:element name="defaultValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>A predefined default value for an attribute.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="name" type="xs:string"/> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd

Element dt:Parameter / dt:description

Namespace	eu:faredge:drpp:di
Annotations	Element describing the value of an attribute.
Diagram	
Properties	minOccurs: 1
Source	<pre> <xs:element name="description" type="xs:anyType" minOccurs="1"> <xs:annotation> <xs:documentation>Element describing the value of an attribute.</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd

Element dt:Parameter / dt:dataType

Namespace	eu:faredge:drpp:di
Annotations	A classification of data (i.e. short, int, float, boolean, ...)
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1
Source	<pre> <xs:element minOccurs="1" name="dataType" type="xs:string"> <xs:annotation> <xs:documentation>A classification of data (i.e. short, int, float, boolean, ...)</ xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd

Element dt:Parameter / dt:defaultValue

Namespace	eu:faredge:drpp:di
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Annotations	A predefined default value for an attribute.
Diagram	
Properties	minOccurs: 0
Source	<pre><xs:element name="defaultValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>A predefined default value for an attribute.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd

Namespace: "eu:faredge:drpp:dsd"

Schema(s)

Imported schema DataSourceDefinition.xsd

Namespace	eu:faredge:drpp:dsd
Properties	attribute form default: unqualified element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceDefinition.xsd

Element(s)

Element dsd:DSD

Namespace	eu:faredge:drpp:dsd				
Annotations	FAR-Edge Data Source Definition				
Diagram					
Properties	content:	complex			
Used by	Element	dm:FarEdgeDM/dm:DataDefinitions			
Model	dsd:DataInterfaceReferenceID , dsd:DataKindReferenceIDs				
Children	dsd:DataInterfaceReferenceID, dsd:DataKindReferenceIDs				
Instance	<pre><dsd:DSD id=" " xmlns:dsd="eu:faredge:drpp:dsd"> <dsd:DataInterfaceReferenceID>{1,1}</dsd:DataInterfaceReferenceID> <dsd:DataKindReferenceIDs>{1,1}</dsd:DataKindReferenceIDs> </dsd:DSD></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
		Uniquely identifies the Data Source as a URI			

Source	<pre> <xs:element name="DSD"> <xs:annotation> <xs:documentation>FAR-Edge Data Source Definition</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataInterfaceReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>Points to an existing FAR-EDGE Data Interface definition</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DataKindReferenceIDs"> <xs:complexType> <xs:sequence> <xs:element name="DataKindReferenceID" type="xs:anyURI" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Points to an existing FAR-EDGE Data Kind definition</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute name="id" type="xs:anyURI"> <xs:annotation> <xs:documentation>Uniquely identifies the Data Source as a URI</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceDefinition.xsd

Element dsd:DSD / dsd:DataInterfaceReferenceID

Namespace	eu:faredge:drpp:dsd
Annotations	Points to an existing FAR-EDGE Data Interface definition
Diagram	
Type	xs:anyURI
Properties	content: simple
Source	<pre> <xs:element name="DataInterfaceReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>Points to an existing FAR-EDGE Data Interface definition</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceDefinition.xsd

Element dsd:DSD / dsd:DataKindReferenceIDs

Namespace	eu:faredge:drpp:dsd
Diagram	
Properties	content: complex
Model	dsd:DataKindReferenceID+
Children	dsd:DataKindReferenceID
Instance	<pre> <dsd:DataKindReferenceIDs xmlns:dsd="eu:faredge:drpp:dsd"> <dsd:DataKindReferenceID>{1,unbounded}</dsd:DataKindReferenceID> </dsd:DataKindReferenceIDs> </pre>
Source	<pre> <xs:element name="DataKindReferenceIDs"> <xs:complexType> <xs:sequence> <xs:element name="DataKindReferenceID" type="xs:anyURI" maxOccurs="unbounded"> </pre>

	<pre> <xs:annotation> <xs:documentation>Points to an existing FAR-EDGE Data Kind definition</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceDefinition.xsd

Element dsd:DSD / dsd:DataKindReferenceIDs / dsd:DataKindReferenceID

Namespace	eu:faredge:drpp:dsd				
Annotations	Points to an existing FAR-EDGE Data Kind definition				
Diagram					
Type	xs:anyURI				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	maxOccurs:	unbounded
content:	simple				
maxOccurs:	unbounded				
Source	<pre> <xs:element name="DataKindReferenceID" type="xs:anyURI" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Points to an existing FAR-EDGE Data Kind definition</xs:documentation> </xs:annotation> </xs:element> </pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceDefinition.xsd				

Namespace: "eu:faredge:drpp:dcd"

Schema(s)

Imported schema DataChannelDescriptor.xsd

Namespace	eu:faredge:drpp:dcd				
Properties	<table> <tr> <td>attribute form default:</td><td>unqualified</td></tr> <tr> <td>element form default:</td><td>qualified</td></tr> </table>	attribute form default:	unqualified	element form default:	qualified
attribute form default:	unqualified				
element form default:	qualified				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd				

Element(s)

Element dcd:DCD

Namespace	eu:faredge:drpp:dcd
Annotations	FAR-Edge Data Channel Descriptor
Diagram	

Properties	content: complex				
Used by	Element dm:FarEdgeDM/dm:DataManipulation				
Model	dcd:validFrom{0,1} , dcd:validTo{0,1} , dcd:DataSourceManifestReferenceID , dcd:DataConsumerManifestReferenceID				
Children	dcd:DataConsumerManifestReferenceID, dcd:DataSourceManifestReferenceID, dcd:validFrom, dcd:validTo				
Instance	<pre><dcd:DCD id="" xmlns:dcd="eu:faredge:drpp:dcd"> <dcd:validFrom>{0,1}</dcd:validFrom> <dcd:validTo>{0,1}</dcd:validTo> <dcd:DataSourceManifestReferenceID>{1,1}</dcd:DataSourceManifestReferenceID> <dcd:DataConsumerManifestReferenceID>{1,1}</dcd:DataConsumerManifestReferenceID> </dcd:DCD></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
	Uniquely identifies the Data Channel as a URI				
Source	<pre><xs:element name="DCD"> <xs:annotation> <xs:documentation>FAR-Edge Data Channel Descriptor</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element type="xs:dateTime" name="validFrom" minOccurs="0"/> <xs:element type="xs:dateTime" name="validTo" minOccurs="0"/> <xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The ID of the Data Source Manifest the Data Channel Descriptor points to.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DataConsumerManifestReferenceID" nillable="false" type="xs:anyURI"> <xs:annotation> <xs:documentation>The ID of the Data Consumer Manifest the Data Channel Descriptor points to.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="id" type="xs:anyURI"> <xs:annotation> <xs:documentation>Uniquely identifies the Data Channel as a URI</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd				

Element dcd:DCD / dcd:validFrom

Namespace	eu:faredge:drpp:dcd
Diagram	
Type	xs:dateTime
Properties	content: simple
	minOccurs: 0
Source	<pre><xs:element type="xs:dateTime" name="validFrom" minOccurs="0"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd

Element dcd:DCD / dcd:validTo

Namespace	eu:faredge:drpp:dcd
Diagram	

Type	xs:dateTime
Properties	content: simple
	minOccurs: 0
Source	<code><xs:element type="xs:dateTime" name="validTo" minOccurs="0"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd

Element dcd:DCD / dcd:DataSourceManifestReferenceID

Namespace	eu:faredge:drpp:dcd
Annotations	The ID of the Data Source Manifest the Data Channel Descriptor points to.
Diagram	<p>The ID of the Data Source Manifest the Data Channel Descriptor points to.</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	xs:anyURI
Properties	content: simple
Source	<pre><xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The ID of the Data Source Manifest the Data Channel Descriptor points to.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd

Element dcd:DCD / dcd:DataConsumerManifestReferenceID

Namespace	eu:faredge:drpp:dcd
Annotations	The ID of the Data Consumer Manifest the Data Channel Descriptor points to.
Diagram	<p>The ID of the Data Consumer Manifest the Data Channel Descriptor points to.</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>
Type	xs:anyURI
Properties	content: simple
	nillable: false
Source	<pre><xs:element name="DataConsumerManifestReferenceID" nillable="false" type="xs:anyURI"> <xs:annotation> <xs:documentation>The ID of the Data Consumer Manifest the Data Channel Descriptor points to.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd

Namespace: "eu:faredge:drpp:dcm"

Schema(s)

Imported schema DataConsumerManifest.xsd

Namespace	eu:faredge:drpp:dcm
Properties	attribute form default: unqualified
	element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataConsumerManifest.xsd

Element(s)

Element dcm:DCM

Namespace	eu:faredge:drpp:dcm				
Annotations	FAR-Edge Data Consumer Manifest				
Diagram					
Properties	content:	complex			
Used by	Element	dm:EdgeGateway/dm:DataManifests			
Model	dcm:DataSourceDefinitionReferenceIDs				
Children	dcm:DataSourceDefinitionReferenceIDs				
Instance	<dcm:DCM id=" " macAddress=" " xmlns:dcm="eu:faredge:drpp:dcm"> <dcm:DataSourceDefinitionReferenceIDs>{1,1}</dcm:DataSourceDefinitionReferenceIDs> </dcm:DCM>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
		Uniquely identifies the Data Consumer Manifest			
	macAddress	xs:string			optional
Source	<xs:element name="DCM"> <xs:annotation> <xs:documentation>FAR-Edge Data Consumer Manifest</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceDefinitionReferenceIDs"> <xs:annotation> <xs:documentation>Provides a list of pointers to Data Source Definitions that are compatible and of interest.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceDefinitionReferenceID" type="xs:anyURI" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Points to an existing FAR-EDGE Data Source Definition definition.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute name="id" type="xs:anyURI"> <xs:annotation> <xs:documentation>Uniquely identifies the Data Consumer Manifest</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="macAddress" type="xs:string"/> </xs:complexType> </xs:element>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataConsumerManifest.xsd				

Element dcm:DCM / dcm:DataSourceDefinitionReferenceIDs

Namespace	eu:faredge:drpp:dcm
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Annotations	Provides a list of pointers to Data Source Definitions that are compatible and of interest.
Diagram	
Properties	content: complex
Model	dcm:DataSourceDefinitionReferenceID+
Children	dcm:DataSourceDefinitionReferenceID
Instance	<pre><dcm:DataSourceDefinitionReferenceIDs xmlns:dcm="eu:faredge:drpp:dcm"> <dcm:DataSourceDefinitionReferenceID>{1,unbounded}</dcm:DataSourceDefinitionReferenceID> </dcm:DataSourceDefinitionReferenceIDs></pre>
Source	<pre><xs:element name="DataSourceDefinitionReferenceIDs"> <xs:annotation> <xs:documentation>Provides a list of pointers to Data Source Definitions that are compatible and of interest.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceDefinitionReferenceID" type="xs:anyURI" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Points to an existing FAR-EDGE Data Source Definition definition.</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataConsumerManifest.xsd

Element dcm:DCM / dcm:DataSourceDefinitionReferenceIDs / dcm:DataSourceDefinitionReferenceID

Namespace	eu:faredge:drpp:dcm
Annotations	Points to an existing FAR-EDGE Data Source Definition definition.
Diagram	
Type	xs:anyURI
Properties	content: simple maxOccurs: unbounded
Source	<pre><xs:element name="DataSourceDefinitionReferenceID" type="xs:anyURI" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Points to an existing FAR-EDGE Data Source Definition definition.</ xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataConsumerManifest.xsd

Namespace: "eu:faredge:drpp:dsm"

Schema(s)

Imported schema DataSourceManifest.xsd

Namespace	eu:faredge:drpp:dsm
Properties	attribute form default: unqualified element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd

Element(s)

Element dsm:DSM

Namespace	eu:faredge:drpp:dsm				
Annotations	FAR-Edge Data Source Manifest				
Diagram					
Properties	content:	complex			
Used by	Element	dm:EdgeGateway/dm:DataManifests			
Model	dsm:DataSourceDefinitionReferenceID , dsm:DataSourceDefinitionInterfaceParameters				
Children	dsm:DataSourceDefinitionInterfaceParameters, dsm:DataSourceDefinitionReferenceID				
Instance	<pre><dsm:DSM id=" " macAddress=" " xmlns:dsm="eu:faredge:drpp:dsm"> <dsm:DataSourceDefinitionReferenceID>{1,1}</dsm:DataSourceDefinitionReferenceID> <dsm:DataSourceDefinitionInterfaceParameters>{1,1}</dsm:DataSourceDefinitionInterfaceParameters> </dsm:DSM></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
	Uniquely identifies the Data Source Manifest as a URI				
	macAddress	xs:string			optional
Source	<pre><xs:element name="DSM"> <xs:annotation> <xs:documentation>FAR-Edge Data Source Manifest</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceDefinitionReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>Points to an existing Data Source Definition.</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="dsm:DataSourceDefinitionInterfaceParameters"/> </xs:sequence> <xs:attribute name="id" type="xs:anyURI"> <xs:annotation> <xs:documentation>Uniquely identifies the Data Source Manifest as a URI</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="macAddress" type="xs:string"/> </xs:complexType> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd				

Element dsm:DSM / dsm:DataSourceDefinitionReferenceID

Namespace	eu:faredge:drpp:dsm				
Annotations	Points to an existing Data Source Definition.				
Diagram					

Type	xs:anyURI
Properties	content: simple
Source	<pre><xs:element name="DataSourceDefinitionReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>Points to an existing Data Source Definition.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd

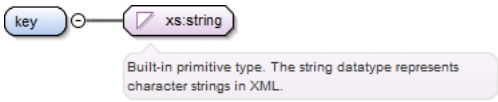
Element dsm:DataSourceDefinitionInterfaceParameters

Namespace	eu:faredge:drpp:dsm
Annotations	Data Source Definition Interface configuration parameters
Diagram	<pre> classDiagram class DataSourceDefinitionInterfaceParameters class dsmParameter["dsm:Parameter"] DataSourceDefinitionInterfaceParameters "1" -- "1..∞" dsmParameter </pre> <p>Data Source Definition Interface configuration parameters</p>
Properties	content: complex
Used by	Element dsm:DSM
Model	dsm:Parameter+
Children	dsm:Parameter
Instance	<pre><dsm:DataSourceDefinitionInterfaceParameters xmlns:dsm="eu:faredge:drpp:dsm"> <dsm:Parameter>{1,unbounded}</dsm:Parameter> </dsm:DataSourceDefinitionInterfaceParameters></pre>
Source	<pre><xs:element name="DataSourceDefinitionInterfaceParameters"> <xs:annotation> <xs:documentation>Data Source Definition Interface configuration parameters</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="dsm:Parameter"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd

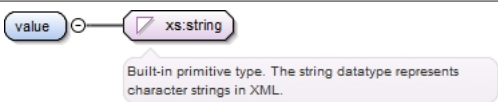
Element dsm:Parameter

Namespace	eu:faredge:drpp:dsm
Diagram	<pre> classDiagram class Parameter class key class value Parameter "1" -- "1" key Parameter "1" -- "1" value </pre>
Properties	content: complex
Used by	Element dsm:DataSourceDefinitionInterfaceParameters
Model	dsm:key , dsm:value
Children	dsm:key, dsm:value
Instance	<pre><dsm:Parameter xmlns:dsm="eu:faredge:drpp:dsm"> <dsm:key>{1,1}</dsm:key> <dsm:value>{1,1}</dsm:value> </dsm:Parameter></pre>
Source	<pre><xs:element name="Parameter"> <xs:complexType> <xs:sequence> <xs:element type="xs:string" name="key"/> <xs:element type="xs:string" name="value"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd

Element dsm:Parameter / dsm:key

Namespace	eu:faredge:drpp:dsm
Diagram	
Type	xs:string
Properties	content: simple
Source	<code><xs:element type="xs:string" name="key"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd

Element dsm:Parameter / dsm:value

Namespace	eu:faredge:drpp:dsm
Diagram	
Type	xs:string
Properties	content: simple
Source	<code><xs:element type="xs:string" name="value"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd

Namespace: "eu:faredge:ea:apd"**Schema(s)****Imported schema AnalyticsProcessorDefinition.xsd**

Namespace	eu:faredge:ea:apd
Properties	attribute form default: unqualified
	element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Element(s)**Element apd:APD**

Namespace	eu:faredge:ea:apd
Annotations	FAR-Edge Analytics Processor Definition

Diagram					
Properties	content:	complex			
Used by	Element	dm:FarEdgeDM/dm:DataDefinitions			
Model	apd:processorType , apd:version{0,1} , apd:copyright{0,1} , apd:description{0,1} , apd:processorLocation , apd:AdditionalInformation* , apd:Parameters{0,1}				
Children	apd:AdditionalInformation, apd:Parameters, apd:copyright, apd:description, apd:processorLocation, apd:processorType, apd:version				
Instance	<pre><apd:APD id="" name="" xmlns:apd="eu:fareedge:ea:apd"> <apd:processorType>{1,1}</apd:processorType> <apd:version>{0,1}</apd:version> <apd:copyright>{0,1}</apd:copyright> <apd:description>{0,1}</apd:description> <apd:processorLocation>{1,1}</apd:processorLocation> <apd:AdditionalInformation>{0,unbounded}</apd:AdditionalInformation> <apd:Parameters>{0,1}</apd:Parameters> </apd:APD></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
		The Processor ID			
	name	xs:string			optional
		The processor name			
Source	<pre><xs:element name="APD"> <xs:annotation> <xs:documentation>FAR-Edge Analytics Processor Definition</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element minOccurs="1" maxOccurs="1" name="processorType" type="xs:string"> <xs:annotation> <xs:documentation>The type of the Processor</xs:documentation> </xs:annotation> </xs:element> <xs:element name="version" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>The version of the processor type</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>				

	<pre> </xs:element> <xs:element name="copyright" type="xs:string" maxOccurs="1" minOccurs="0"> <xs:annotation> <xs:documentation>Processor Owner</xs:documentation> </xs:annotation> </xs:element> <xs:element minOccurs="0" maxOccurs="1" name="description" type="xs:string"> <xs:annotation> <xs:documentation>Deacription of the Processor</xs:documentation> </xs:annotation> </xs:element> <xs:element minOccurs="1" maxOccurs="1" name="processorLocation" type="xs:string"> <xs:annotation> <xs:documentation>The physical or relative location of the processor library</ xs:documentation> </xs:annotation> </xs:element> <xs:element maxOccurs="unbounded" minOccurs="0" ref="apd:AdditionalInformation"/> <xs:element minOccurs="0" maxOccurs="1" ref="apd:Parameters"/> </xs:sequence> <xs:attribute name="id" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation>The Processor ID</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="name" type="xs:string"> <xs:annotation> <xs:documentation>The processor name</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Element apd:APD / apd:processorType

Namespace	eu:faredge:ea:apd						
Annotations	The type of the Processor						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xs:element minOccurs="1" maxOccurs="1" name="processorType" type="xs:string"> <xs:annotation> <xs:documentation>The type of the Processor</xs:documentation> </xs:annotation> </xs:element> </pre>						
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd						

Element apd:APD / apd:version

Namespace	eu:faredge:ea:apd				
Annotations	The version of the processor type				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre> <xs:element name="version" type="xs:string" minOccurs="0"> <xs:annotation> </pre>				

	<pre> <xs:documentation>The version of the processor type</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Element apd:APD / apd:copyright

Namespace	eu:faredge:ea:apd						
Annotations	Processor Owner						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xs:element name="copyright" type="xs:string" maxOccurs="1" minOccurs="0"> <xs:annotation> <xs:documentation>Processor Owner</xs:documentation> </xs:annotation> </xs:element> </pre>						
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd						

Element apd:APD / apd:description

Namespace	eu:faredge:ea:apd						
Annotations	Deacription of the Processor						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xs:element minOccurs="0" maxOccurs="1" name="description" type="xs:string"> <xs:annotation> <xs:documentation>Deacription of the Processor</xs:documentation> </xs:annotation> </xs:element> </pre>						
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd						

Element apd:APD / apd:processorLocation

Namespace	eu:faredge:ea:apd						
Annotations	The physical or relative location of the processor library						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre> <xs:element minOccurs="1" maxOccurs="1" name="processorLocation" type="xs:string"> </pre>						

	<pre> <xs:annotation> <xs:documentation>The physical or relative location of the processor library</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Element apd:AdditionalInformation

Namespace	eu:faredge:ea:apd
Annotations	Optional auxiliary field that may contain any additional information
Diagram	
Used by	Element apd:APD
Source	<pre> <xs:element name="AdditionalInformation" type="xs:anyType"> <xs:annotation> <xs:documentation>Optional auxiliary field that may contain any additional information</xs:documentation> </xs:annotation> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Element apd:Parameters

Namespace	eu:faredge:ea:apd
Annotations	Analytics Processor list of required parameters
Diagram	
Properties	content: complex
Used by	Element apd:APD
Model	apd:Parameter*
Children	apd:Parameter
Instance	<pre> <apd:Parameters xmlns:apd="eu:faredge:ea:apd"> <apd:Parameter name=" ">{0,unbounded}</apd:Parameter> </apd:Parameters> </pre>
Source	<pre> <xs:element name="Parameters"> <xs:annotation> <xs:documentation>Analytics Processor list of required parameters</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" ref="apd:Parameter"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Element apd:Parameter

Namespace	eu:faredge:ea:apd
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Annotations	Analytics Processor parameter														
Diagram															
Properties	content:	complex													
Used by	Element	apd:Parameters													
Model	apd:description , apd:dataType , apd:defaultValue{0,1}														
Children	apd:dataType, apd:defaultValue, apd:description														
Instance	<pre><apd:Parameter name=" " xmlns:apd="eu:faredge:ea:apd"> <apd:description>{1,1}</apd:description> <apd:dataType>{1,1}</apd:dataType> <apd:defaultValue>{0,1}</apd:defaultValue> </apd:Parameter></pre>														
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr></thead><tbody><tr><td>name</td><td>xs:string</td><td></td><td></td><td>optional</td></tr></tbody></table>	QName	Type	Fixed	Default	Use	name	xs:string			optional				
QName	Type	Fixed	Default	Use											
name	xs:string			optional											
Source	<pre><xs:element name="Parameter"> <xs:annotation> <xs:documentation>Analytics Processor parameter</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="description" type="xs:anyType" minOccurs="1"> <xs:annotation> <xs:documentation>Element describing the value of an attribute.</xs:documentation> </xs:annotation> </xs:element> <xs:element minOccurs="1" name="dataType" type="xs:string"> <xs:annotation> <xs:documentation>A classification of data (i.e. short, int, float, boolean, ...)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="defaultValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>A predefined default value for an attribute.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="name" type="xs:string"/> </xs:complexType> </xs:element></pre>														
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd														

Element apd:Parameter / apd:description

Namespace	eu:faredge:ea:apd
Annotations	Element describing the value of an attribute.

Diagram	
Properties	minOccurs: 1
Source	<pre><xs:element name="description" type="xs:anyType" minOccurs="1"> <xs:annotation> <xs:documentation>Element describing the value of an attribute.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Element apd:Parameter / apd:dataType

Namespace	eu:faredge:ea:apd
Annotations	A classification of data (i.e. short, int, float, boolean, ...)
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1
Source	<pre><xs:element minOccurs="1" name="dataType" type="xs:string"> <xs:annotation> <xs:documentation>A classification of data (i.e. short, int, float, boolean, ...)</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Element apd:Parameter / apd:defaultValue

Namespace	eu:faredge:ea:apd
Annotations	A predefined default value for an attribute.
Diagram	
Properties	minOccurs: 0
Source	<pre><xs:element name="defaultValue" type="xs:anyType" minOccurs="0"> <xs:annotation> <xs:documentation>A predefined default value for an attribute.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Namespace: "eu:faredge:ea:orchestrator"

Schema(s)

Imported schema AnalyticsManifest.xsd

Namespace	eu:faredge:ea:orchestrator
Properties	attribute form default: unqualified
	element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsManifest.xsd

Element(s)

Element am:AM

Namespace	eu:faredge:ea:orchestrator				
Annotations	FAR-Edge Edge Analytics Orchestrator Manifest				
Diagram					
Properties	content:	complex			
Used by	Elements	dm:EdgeGateway/dm:DataManipulation, dm:FarEdgeDM/dm:DataManipulation			
Model	apm:APM+				
Children	apm:APM				
Instance	<pre><am:AM id=" " xmlns:am="eu:faredge:ea:orchestrator" xmlns:apm="eu:faredge:ea:processor"> <apm:APM id=" ">{1,unbounded}</apm:APM> </am:AM></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
Source	<pre><xs:element name="AM"> <xs:annotation> <xs:documentation>FAR-Edge Edge Analytics Orchestrator Manifest</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="apm:APM"/> </xs:sequence> <xs:attribute name="id" type="xs:anyURI"/> </xs:complexType> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsManifest.xsd				

Namespace: "eu:faredge:ea:processor"

Schema(s)

Imported schema AnalyticsProcessorManifest.xsd


Namespace	eu:faredge:ea:processor
Properties	attribute form default: unqualified
	element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element(s)

Element **apm:APM**

Namespace	eu:faredge:ea:processor				
Annotations	FAR-Edge Analytics Processor Manifest				
Diagram					
Properties	content:	complex			
Used by	Elements	am:AM, dm:EdgeGateway/dm:DataManipulation, dm:FarEdgeDM/dm:DataManipulation			
Model	apm:AnalyticsProcessorDefinitionReferenceID , apm:DataSink , apm:DataSources , apm:Parameters				
Children	apm:AnalyticsProcessorDefinitionReferenceID, apm:DataSink, apm:DataSources, apm:Parameters				
Instance	<pre><apm:APM id=" " xmlns:apm="eu:faredge:ea:processor"> <apm:AnalyticsProcessorDefinitionReferenceID>{1,1}</apm:AnalyticsProcessorDefinitionReferenceID> <apm:DataSink>{1,1}</apm:DataSink> <apm:DataSources>{1,1}</apm:DataSources> <apm:Parameters>{1,1}</apm:Parameters> </apm:APM></pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
Source	<pre><xs:element name="APM"> <xs:annotation> <xs:documentation>FAR-Edge Analytics Processor Manifest</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="AnalyticsProcessorDefinitionReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of the Analytics Processor Definition(APD) this APM is using.</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="apm:DataSink"/> <xs:element ref="apm:DataSources"/> <xs:element ref="apm:Parameters"/> </xs:sequence> <xs:attribute name="id" type="xs:anyURI"/> </xs:complexType> </xs:element></pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd				

Element **apm:APM** / **apm:AnalyticsProcessorDefinitionReferenceID**

Namespace	eu:faredge:ea:processor				
Annotations	The Reference ID of the Analytics Processor Definition(APD) this APM is using.				
Diagram					
Type	xs:anyURI				

Properties	content: simple
Source	<pre><xs:element name="AnalyticsProcessorDefinitionReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of the Analytics Processor Definition(APD) this APM is using.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element apm:DataSink

Namespace	eu:faredge:ea:processor
Annotations	Data Sink provides the description of the data produced from the processor with the help of a Data Source Manifest which it references.
Diagram	
Properties	content: complex
Used by	Element apm:APM
Model	apm:DataSourceManifestReferenceID
Children	apm:DataSourceManifestReferenceID
Instance	<pre><apm:DataSink xmlns:apm="eu:faredge:ea:processor"> <apm:DataSourceManifestReferenceID>{1,1}</apm:DataSourceManifestReferenceID> </apm:DataSink></pre>
Source	<pre><xs:element name="DataSink"> <xs:annotation> <xs:documentation>Data Sink provides the description of the data produced from the processor with the help of a Data Source Manifest which it references.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of the Data Source Manifest which describes the output of this APM.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element apm:DataSink / apm:DataSourceManifestReferenceID

Namespace	eu:faredge:ea:processor
Annotations	The Reference ID of the Data Source Manifest which describes the output of this APM.
Diagram	
Type	xs:anyURI
Properties	content: simple
Source	<pre><xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of the Data Source Manifest which describes the output of this APM.</xs:documentation> </xs:annotation> </xs:element></pre>

	</xs:element>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element apm:DataSources

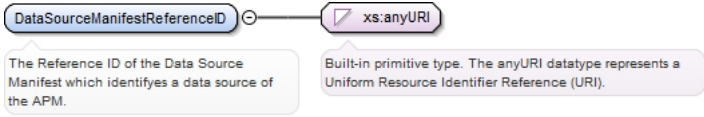
Namespace	eu:faredge:ea:processor
Annotations	Edge Analytics Processor Data Sources
Diagram	<p>Edge Analytics Processor Data Sources</p> <p>Edge Analytics Processor Data Source and Configuration parameters.</p>
Properties	content: complex
Used by	Element apm:APM
Model	apm:DataSource+
Children	apm:DataSource
Instance	<pre><apm:DataSources xmlns:apm="eu:faredge:ea:processor"> <apm:DataSource>{1,unbounded}</apm:DataSource> </apm:DataSources></pre>
Source	<pre><xs:element name="DataSources"> <xs:annotation> <xs:documentation>Edge Analytics Processor Data Sources</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="apm:DataSource" /> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element apm:DataSource

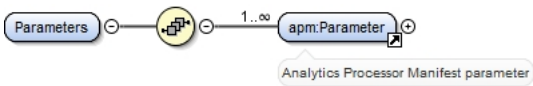
Namespace	eu:faredge:ea:processor
Annotations	Edge Analytics Processor Data Source and Configuration parameters.
Diagram	<p>Edge Analytics Processor Data Source and Configuration parameters.</p> <p>The Reference ID of the Data Source Manifest which identifies a data source of the APM.</p>
Properties	content: complex
Used by	Element apm:DataSources
Model	apm:DataSourceManifestReferenceID
Children	apm:DataSourceManifestReferenceID
Instance	<pre><apm:DataSource xmlns:apm="eu:faredge:ea:processor"> <apm:DataSourceManifestReferenceID>{1,1}</apm:DataSourceManifestReferenceID> </apm:DataSource></pre>
Source	<pre><xs:element name="DataSource"> <xs:annotation> <xs:documentation>Edge Analytics Processor Data Source and Configuration parameters.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of the Data Source Manifest which identifies a data source of the APM.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>

	<code></xs:element></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

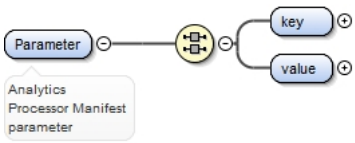
Element `apm:DataSource` / `apm:DataSourceManifestReferenceID`

Namespace	eu:faredge:ea:processor
Annotations	The Reference ID of the Data Source Manifest which identifies a data source of the APM.
Diagram	
Type	xs:anyURI
Properties	content: simple
Source	<pre><xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The Reference ID of the Data Source Manifest which identifies a data source of the APM.</xs:documentation> </xs:annotation> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element `apm:Parameters`

Namespace	eu:faredge:ea:processor
Diagram	
Properties	content: complex
Used by	Element <code>apm:APM</code>
Model	<code>apm:Parameter+</code>
Children	<code>apm:Parameter</code>
Instance	<pre><apm:Parameters xmlns:apm="eu:faredge:ea:processor"> <apm:Parameter>{1,unbounded}</apm:Parameter> </apm:Parameters></pre>
Source	<pre><xs:element name="Parameters"> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="apm:Parameter"/> </xs:sequence> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element `apm:Parameter`

Namespace	eu:faredge:ea:processor
Annotations	Analytics Processor Manifest parameter
Diagram	
Properties	content: complex
Used by	Element <code>apm:Parameters</code>
Model	<code>ALL(apm:key apm:value)</code>
Children	<code>apm:key</code> , <code>apm:value</code>

Instance	<pre><apm:Parameter xmlns:apm="eu:faredge:ea:processor"> <apm:key>{1,1}</apm:key> <apm:value>{1,1}</apm:value> </apm:Parameter></pre>
Source	<pre><xs:element name="Parameter"> <xs:annotation> <xs:documentation>Analytics Processor Manifest parameter</xs:documentation> </xs:annotation> <xs:complexType> <xs:all> <xs:element name="key" type="xs:string"/> <xs:element name="value" type="xs:string"/> </xs:all> </xs:complexType> </xs:element></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element **apm:Parameter** / **apm:key**

Namespace	eu:faredge:ea:processor
Diagram	
Type	xs:string
Properties	content: simple
Source	<pre><xs:element name="key" type="xs:string"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Element **apm:Parameter** / **apm:value**

Namespace	eu:faredge:ea:processor
Diagram	
Type	xs:string
Properties	content: simple
Source	<pre><xs:element name="value" type="xs:string"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Namespace: ""

Attribute(s)

Attribute **dm:FarEdgeDM** / **dm:FDEM** / **dm:SDRMs** / **dm:SDRM** / **@id**

Namespace	No namespace
Type	xs:anyURI
Properties	content: simple
Used by	Element dm:FarEdgeDM/dm:FDEM/dm:SDRMs/dm:SDRM
Source	<pre><xs:attribute name="id" type="xs:anyURI"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute **dsd:DSD** / **@id**

Namespace	No namespace
Annotations	Uniquely identifies the Data Source as a URI

Type	xs:anyURI
Properties	content: simple
Used by	Element dsd:DSD
Source	<pre><xs:attribute name="id" type="xs:anyURI"> <xs:annotation> <xs:documentation>Uniquely identifies the Data Source as a URI</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceDefinition.xsd

Attribute dt:Parameter / @name

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Element dt:Parameter
Source	<pre><xs:attribute name="name" type="xs:string"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd

Attribute dt:DI / @id

Namespace	No namespace
Type	xs:anyURI
Properties	content: simple
Used by	Element dt:DI
Source	<pre><xs:attribute name="id" type="xs:anyURI"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataInterface.xsd

Attribute dt:DK / @id

Namespace	No namespace
Type	xs:anyURI
Properties	content: simple
Used by	Element dt:DK
Source	<pre><xs:attribute name="id" type="xs:anyURI"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataKind.xsd

Attribute apd:Parameter / @name

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Element apd:Parameter
Source	<pre><xs:attribute name="name" type="xs:string"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Attribute apd:APD / @id

Namespace	No namespace
Annotations	The Processor ID

Type	xs:anyURI
Properties	use: optional
Used by	Element apd:APD
Source	<pre><xs:attribute name="id" type="xs:anyURI" use="optional"> <xs:annotation> <xs:documentation>The Processor ID</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Attribute apd:APD / @name

Namespace	No namespace
Annotations	The processor name
Type	xs:string
Properties	content: simple
Used by	Element apd:APD
Source	<pre><xs:attribute name="name" type="xs:string"> <xs:annotation> <xs:documentation>The processor name</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorDefinition.xsd

Attribute dcd:DCD / @id

Namespace	No namespace
Annotations	Uniquely identifies the Data Channel as a URI
Type	xs:anyURI
Properties	content: simple
Used by	Element dcd:DCD
Source	<pre><xs:attribute name="id" type="xs:anyURI"> <xs:annotation> <xs:documentation>Uniquely identifies the Data Channel as a URI</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd

Attribute apm:APM / @id

Namespace	No namespace
Type	xs:anyURI
Properties	content: simple
Used by	Element apm:APM
Source	<pre><xs:attribute name="id" type="xs:anyURI"/></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

Attribute am:AM / @id

Namespace	No namespace
Type	xs:anyURI
Properties	content: simple
Used by	Element am:AM

Source	<code><xs:attribute name="id" type="xs:anyURI"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsManifest.xsd

Attribute dsm:DSM / @id

Namespace	No namespace
Annotations	Uniquely identifies the Data Source Manifest as a URI
Type	xs:anyURI
Properties	content: simple
Used by	Element dsm:DSM
Source	<code><xs:attribute name="id" type="xs:anyURI"> <xs:annotation> <xs:documentation>Uniquely identifies the Data Source Manifest as a URI</xs:documentation> </xs:annotation> </xs:attribute></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd

Attribute dsm:DSM / @macAddress

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Element dsm:DSM
Source	<code><xs:attribute name="macAddress" type="xs:string"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataSourceManifest.xsd

Attribute dcm:DCM / @id

Namespace	No namespace
Annotations	Uniquely identifies the Data Consumer Manifest
Type	xs:anyURI
Properties	content: simple
Used by	Element dcm:DCM
Source	<code><xs:attribute name="id" type="xs:anyURI"> <xs:annotation> <xs:documentation>Uniquely identifies the Data Consumer Manifest</xs:documentation> </xs:annotation> </xs:attribute></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataConsumerManifest.xsd

Attribute dcm:DCM / @macAddress

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Element dcm:DCM
Source	<code><xs:attribute name="macAddress" type="xs:string"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataConsumerManifest.xsd

Attribute dm:observation / @id

Namespace	No namespace
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Type	xs:anyURI
Properties	content: simple
Used by	Element dm:observation
Source	<code><xs:attribute name="id" type="xs:anyURI"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:observation / @name

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Element dm:observation
Source	<code><xs:attribute name="name" type="xs:string"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:observation / @DataKindReferenceID

Namespace	No namespace
Annotations	The ID of the Data Kind this observation refaire to.
Type	xs:anyURI
Properties	content: simple
Used by	Element dm:observation
Source	<code><xs:attribute name="DataKindReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The ID of the Data Kind this observation refaire to.</xs:documentation> </xs:annotation> </xs:attribute></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:LiveDataSet / @DataSourceManifestReferenceID

Namespace	No namespace
Annotations	The ID of the Data Source Manifest (physical or virtual) these observations refaire to.
Type	xs:anyURI
Properties	content: simple
Used by	Element dm:LiveDataSet
Source	<code><xs:attribute name="DataSourceManifestReferenceID" type="xs:anyURI"> <xs:annotation> <xs:documentation>The ID of the Data Source Manifest (physical or virtual) these observations refaire to.</xs:documentation> </xs:annotation> </xs:attribute></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:LiveDataSet / @mobile

Namespace	No namespace
Annotations	Identifies if the Edge node is mobile or not. If it is mobile the location field within the observation entity should be provided as well.
Type	xs:boolean
Properties	default: false
Used by	Element dm:LiveDataSet

Source	<pre><xs:attribute default="false" name="mobile" type="xs:boolean"> <xs:annotation> <xs:documentation>Identifies if the Edge node is mobile or not. If it is mobile the location field within the observation entity should be provided as well.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:EdgeGateway / @id

Namespace	No namespace
Type	xs:anyURI
Properties	content: simple
Used by	Element dm:EdgeGateway
Source	<pre><xs:attribute name="id" type="xs:anyURI" /></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:EdgeGateway / @name

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Element dm:EdgeGateway
Source	<pre><xs:attribute name="name" type="xs:string" /></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:EdgeGateway / @namespace

Namespace	No namespace
Annotations	For scope hierarchy.
Type	xs:string
Properties	content: simple
Used by	Element dm:EdgeGateway
Source	<pre><xs:attribute name="namespace" type="xs:string"> <xs:annotation> <xs:documentation>For scope hierarchy.</xs:documentation> </xs:annotation> </xs:attribute></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:EdgeGateway / @macAddress

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Element dm:EdgeGateway
Source	<pre><xs:attribute name="macAddress" type="xs:string" /></pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:FarEdgeDM / @id

Namespace	No namespace
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Type	xs:anyURI
Properties	content: simple
Used by	Element dm:FarEdgeDM
Source	<code><xs:attribute name="id" type="xs:anyURI"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:FarEdgeDM / @name

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Element dm:FarEdgeDM
Source	<code><xs:attribute name="name" type="xs:string"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:FarEdgeDM / @namespace

Namespace	No namespace
Annotations	For scope hierarchy.
Type	xs:string
Properties	content: simple
Used by	Element dm:FarEdgeDM
Source	<code><xs:attribute name="namespace" type="xs:string"> <xs:annotation> <xs:documentation>For scope hierarchy.</xs:documentation> </xs:annotation> </xs:attribute></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

Attribute dm:Device / @id

Namespace	No namespace
Type	xs:anyURI
Properties	content: simple
Used by	Element dm:Device
Source	<code><xs:attribute name="id" type="xs:anyURI"/></code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd