

# Schema documentation for DigitalModels.xsd

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## Resource hierarchy:

**Legend:**  Import,  Include,  Redefine,  Cycle detected

DigitalModels.xsd

-   DataKind.xsd
-   DataInterface.xsd
-   DataSourceDefinition.xsd
-   DataChannelDescriptor.xsd
-   DataConsumerManifest.xsd
-   DataSourceManifest.xsd
-   DataSourceDefinition.xsd
-   AnalyticsProcessorDefinition.xsd
-   AnalyticsManifest.xsd
-   AnalyticsProcessorManifest.xsd
-   AnalyticsProcessorDefinition.xsd
-   AnalyticsProcessorManifest.xsd
-   AnalyticsProcessorDefinition.xsd

## Namespace: "eu:faredge:faredgedm"

### Schema(s)

#### Main schema DigitalModels.xsd

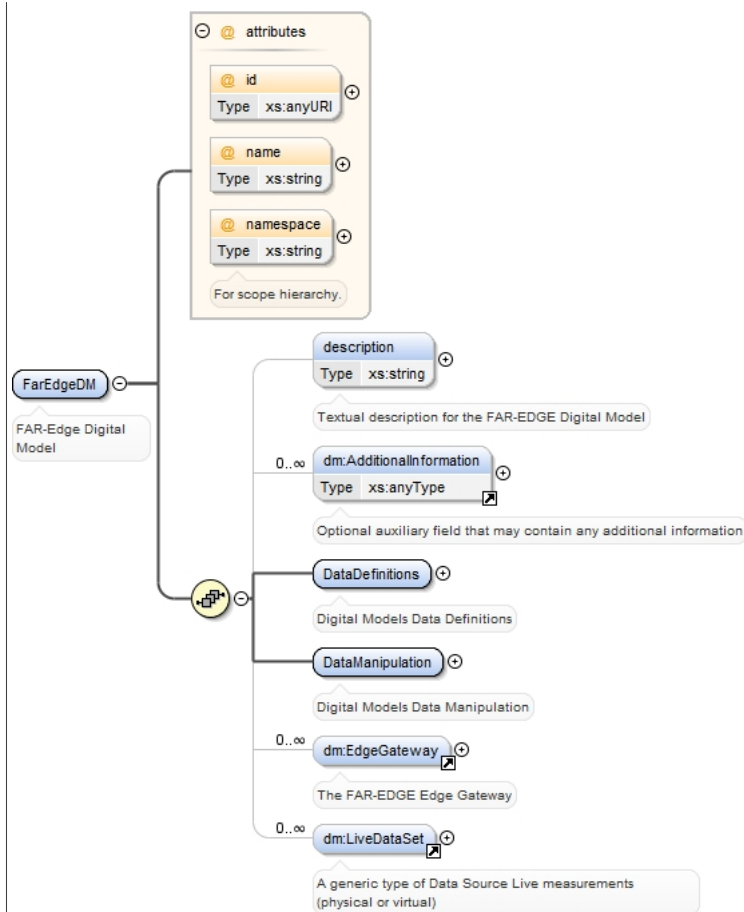
Namespace	eu:faredge:faredgedm
Properties	attribute form default: unqualified
	element form default: qualified
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

### 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:DataDefinitions , dm:DataManipulation , dm:EdgeGateway\* , dm:LiveDataSet\*

Children dm:AdditionalInformation, dm:DataDefinitions, dm:DataManipulation, dm:EdgeGateway, dm:LiveDataSet, dm:description

```

<dm:FarEdgeDM id=" " name=" " namespace=" " xmlns:dm="eu:fareedge:fareddm">
  <dm:description>{0,1}</dm:description>
  <dm:AdditionalInformation>{0,unbounded}</dm:AdditionalInformation>
  <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>

```

Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
	name	xs:string			optional
	namespace	xs:string			optional
	For scope hierarchy.				

```

<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="DataDefinitions">
        <xs:annotation>
          <xs:documentation>Digital Models Data Definitions</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="dm:EdgeGateway"/>
      <xs:element maxOccurs="unbounded" minOccurs="0" ref="dm:LiveDataSet"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

	<pre> &lt;xs:sequence&gt;   &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dsd:DSD"/&gt;   &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="di:DI"/&gt;   &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dt:DK"/&gt;   &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="apd:APD"/&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; &lt;/xs:element&gt; &lt;xs:element name="DataManipulation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Digital Models Data Manipulation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dcd:DCD"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="apm:APM"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="am:AM"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; &lt;xs:element ref="dm:EdgeGateway" maxOccurs="unbounded" minOccurs="0"/&gt; &lt;xs:element ref="dm:LiveDataSet" maxOccurs="unbounded" minOccurs="0"/&gt; &lt;/xs:sequence&gt; &lt;xs:attribute name="id" type="xs:anyURI"/&gt; &lt;xs:attribute name="name" type="xs:string"/&gt; &lt;xs:attribute name="namespace" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;For scope hierarchy.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; &lt;/xs:complexType&gt; &lt;/xs:element&gt; </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> &lt;xs:element name="description" minOccurs="0" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Textual description for the FAR-EDGE Digital Model&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </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>&lt;xs:element name="AdditionalInformation" type="xs:anyType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Optional auxiliary field that may contain any additional information&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd

## 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>&lt;dm:DataDefinitions xmlns:dm="eu:faredge:faredgedm" xmlns:dsd="eu:faredge:drpp:dsd" xmlns:di="eu:faredge:drpp:di" &gt;   &lt;dsd:DSD id=""&gt;{0,unbounded}&lt;/dsd:DSD&gt;   &lt;di:DI id=""&gt;{0,unbounded}&lt;/di:DI&gt;   &lt;dt:DK id=""&gt;{0,unbounded}&lt;/dt:DK&gt;   &lt;apd:APD id="" name=""&gt;{0,unbounded}&lt;/apd:APD&gt; &lt;/dm:DataDefinitions&gt;</pre>
Source	<pre>&lt;xs:element name="DataDefinitions"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Digital Models Data Definitions&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dsd:DSD"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="di:DI"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dt:DK"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="apd:APD"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;dm:DataManipulation xmlns:dm="eu:faredge:faredgedm" xmlns:dcd="eu:faredge:drpp:dcd" xmlns:apm="eu:faredge:ea:processor"   &lt;dcd:DCD id=""&gt;{0,unbounded}&lt;/dcd:DCD&gt;   &lt;apm:APM AnalyticsProcessorDefinitionReferenceID="" id=""&gt;{0,unbounded}&lt;/apm:APM&gt;   &lt;am:AM id=""&gt;{0,unbounded}&lt;/am:AM&gt; &lt;/dm:DataManipulation&gt;</pre>
Source	<pre>&lt;xs:element name="DataManipulation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Digital Models Data Manipulation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dcd:DCD"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="apm:APM"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="am:AM"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;dm:EdgeGateway id="" macAddress="" name="" namespace="" xmlns:dm="eu:faredge:faredgedm"&gt;   &lt;dm:description{0,1}&lt;/dm:description&gt;   &lt;dm:Location{0,1}&lt;/dm:Location&gt;   &lt;dm:AdditionalInformation{0,unbounded}&lt;/dm:AdditionalInformation&gt;   &lt;dm:DataManifests{1,1}&lt;/dm:DataManifests&gt;   &lt;dm:DataManipulation{1,1}&lt;/dm:DataManipulation&gt;   &lt;dm:LiveDataSet DataSourceManifestReferenceID="" mobile="false"&gt;{0,unbounded}&lt;/dm:LiveDataSet&gt; &lt;/dm:EdgeGateway&gt;</pre>				
Attributes	<b>QName</b>	<b>Type</b>	<b>Fixed</b>	<b>Default</b>	<b>Use</b>
	id	xs:anyURI			optional
	macAddress	xs:string			optional
	name	xs:string			optional
	namespace	xs:string			optional
	For scope hierarchy.				
Source	<pre>&lt;xs:element name="EdgeGateway"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The FAR-EDGE Edge Gateway&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="description" minOccurs="0" type="xs:string"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Textual description for the FAR-EDGE Edge Gateway&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element minOccurs="0" ref="dm:Location"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;The Edge Gateway location&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dm:AdditionalInformation"/&gt;       &lt;xs:element name="DataManifests"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Edge Gateway Data Manifests&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:complexType&gt;           &lt;xs:sequence&gt;             &lt;xs:element maxOccurs="unbounded" ref="dsm:DSM" minOccurs="0"/&gt;             &lt;xs:element maxOccurs="unbounded" ref="dcm:DCM" minOccurs="0"/&gt;           &lt;/xs:sequence&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;       &lt;xs:element name="DataManipulation"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Edge Gateway Data Manipulation&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:complexType&gt;           &lt;xs:sequence&gt;             &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="apm:APM"/&gt;             &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="am:AM"/&gt;           &lt;/xs:sequence&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;       &lt;xs:element ref="dm:LiveDataSet" maxOccurs="unbounded" minOccurs="0"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI"/&gt;     &lt;xs:attribute name="name" type="xs:string"/&gt;     &lt;xs:attribute name="namespace" type="xs:string"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;For scope hierarchy.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="macAddress" type="xs:string"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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
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Annotations	Textual description for the FAR-EDGE Edge Gateway
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<pre>&lt;xs:element name="description" minOccurs="0" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Textual description for the FAR-EDGE Edge Gateway&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;dm:Location xmlns:dm="eu:faredge:faredgedm"&gt;   &lt;dm:geoLocation&gt;{0,1}&lt;/dm:geoLocation&gt;   &lt;dm:virtualLocation&gt;{0,1}&lt;/dm:virtualLocation&gt; &lt;/dm:Location&gt;</pre>
Source	<pre>&lt;xs:element name="Location"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Indicating the location at which something took place&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:choice&gt;       &lt;xs:element maxOccurs="1" minOccurs="0" name="geoLocation"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Specifying a physical location (a pair of coordinates)&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:complexType&gt;           &lt;xs:sequence&gt;             &lt;xs:element name="latitude" type="xs:string"/&gt;             &lt;xs:element name="longitude" type="xs:string"/&gt;           &lt;/xs:sequence&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;       &lt;xs:element minOccurs="0" name="virtualLocation" type="xs:anyURI"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Specifying a virtual location (it could be the ID of a resource or subsystem)&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:choice&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;dm:geoLocation xmlns:dm="eu:faredge:faredgedm"&gt;   &lt;dm:latitude&gt;{1,1}&lt;/dm:latitude&gt;   &lt;dm:longitude&gt;{1,1}&lt;/dm:longitude&gt; &lt;/dm:geoLocation&gt;</pre>						
Source	<pre>&lt;xs:element maxOccurs="1" minOccurs="0" name="geoLocation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Specifying a physical location (a pair of coordinates)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="latitude" type="xs:string"/&gt;       &lt;xs:element name="longitude" type="xs:string"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;xs:element name="latitude" type="xs:string"/&gt;</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>&lt;xs:element name="longitude" type="xs:string"/&gt;</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>&lt;xs:element minOccurs="0" name="virtualLocation" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Specifying a virtual location (it could be the ID of a resource or subsystem)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;dm:DataManifests xmlns:dm="eu:faredge:faredgedm" xmlns:dsm="eu:faredge:drpp:dsm" xmlns:dcm="eu:faredge:drpp:dcm"&gt;   &lt;dsm:DSM id=" " macAddress=" " &gt;{0,unbounded}&lt;/dsm:DSM&gt;   &lt;dcm:DCM id=" " macAddress=" " &gt;{0,unbounded}&lt;/dcm:DCM&gt; &lt;/dm:DataManifests&gt;</pre>
Source	<pre>&lt;xs:element name="DataManifests"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Edge Gateway Data Manifests&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="dsm:DSM" minOccurs="0"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="dcm:DCM" minOccurs="0"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;dm:DataManipulation xmlns:dm="eu:faredge:faredgedm" xmlns:apm="eu:faredge:ea:processor" xmlns:am="eu:faredge:ea:operator"   &lt;apm:APM AnalyticsProcessorDefinitionReferenceID=" " id=" "&gt;{0,unbounded}&lt;/apm:APM&gt;   &lt;am:AM id=" "&gt;{0,unbounded}&lt;/am:AM&gt; &lt;/dm:DataManipulation&gt;</pre>
Source	<pre>&lt;xs:element name="DataManipulation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Edge Gateway Data Manipulation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="apm:APM"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="am:AM"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;dm:LiveDataSet DataSourceManifestReferenceID=" " mobile="false" xmlns:dm="eu:faredge:faredgedm"&gt;   &lt;dm:timestamp&gt;{0,1}&lt;/dm:timestamp&gt;   &lt;dm:observation DataKindReferenceID=" " id=" " name=" "&gt;{0,unbounded}&lt;/dm:observation&gt; &lt;/dm:LiveDataSet&gt;</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>&lt;xs:element name="LiveDataSet"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A generic type of Data Source Live measurements (physical or virtual)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="1" minOccurs="0" ref="dm:timestamp"/&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="1" ref="dm:observation"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>				

	<pre> &lt;/xs:annotation&gt; &lt;xs:complexType&gt;   &lt;xs:sequence&gt;     &lt;xs:element minOccurs="0" name="timestamp" type="xs:dateTime"/&gt;     &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dm:observation"/&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="DataSourceManifestReferenceID" type="xs:anyURI"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;The ID of the Data Source Manifest (physical or virtual) these observations refaire to.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt;   &lt;xs:attribute default="false" name="mobile" type="xs:boolean"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;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.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt; &lt;/xs:element&gt; </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>&lt;xs:element minOccurs="0" name="timestamp" type="xs:dateTime" /&gt;</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	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	<pre>&lt;dm:observation DataKindReferenceID=" " id=" " name=" " xmlns:dm="eu:faredge:faredgedm"&gt;   &lt;dm:timestamp&gt;{0,1}&lt;/dm:timestamp&gt;   &lt;dm:Location&gt;{0,1}&lt;/dm:Location&gt;   &lt;dm:value&gt;{1,1}&lt;/dm:value&gt; &lt;/dm:observation&gt;</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>&lt;xs:element name="observation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The Node Measurement&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element form="qualified" name="timestamp" type="xs:dateTime" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;The timestamp indicating the instant in which a measurement was acquired&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element ref="dm:Location" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;The location at which the measurement was taken if Edge Node's mobile attribute is true&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="value" type="xs:anyType" minOccurs="1"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Element providing the value of a measurement.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI"/&gt;     &lt;xs:attribute name="name" type="xs:string"/&gt;     &lt;xs:attribute name="DataKindReferenceID" type="xs:anyURI"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The ID of the Data Kind this observation refaire to.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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	<p>The diagram shows a box labeled 'timestamp' with 'Type xs:dateTime' below it. A line connects this box to a callout box that says 'Built-in primitive type. The dateTime datatype represents a specific instant of time.'</p>
Type	xs:dateTime
Properties	content: simple
	minOccurs: 0
Source	<pre>&lt;xs:element form="qualified" name="timestamp" type="xs:dateTime" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The timestamp indicating the instant in which a measurement was acquired&lt;/ xs:documentation&gt;</pre>

	<pre>&lt;/xs:annotation&gt; &lt;/xs:element&gt;</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
Annotations	Element providing the value of a measurement.
Diagram	
Properties	minOccurs: 1
Source	<pre>&lt;xs:element name="value" type="xs:anyType" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element providing the value of a measurement.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	<table><thead><tr><th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr></thead><tbody><tr><td>id</td><td>xs:anyURI</td><td></td><td></td><td>optional</td></tr></tbody></table>	QName	Type	Fixed	Default	Use	id	xs:anyURI			optional				
QName	Type	Fixed	Default	Use											
id	xs:anyURI			optional											
Source	<pre>&lt;xs:element name="Device"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Logical Device MetaData&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI" /&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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	
Properties	content: complex
Model	
Source	<pre> &lt;xs:element name="ProcessingDevices"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Edge Gateway Processing Device (Edge Analytics) capabilities (metadata)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </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>&lt;dt:DK id="" xmlns:dt="eu:faredge:drpp:dk"&gt;   &lt;dt:description&gt;{0,1}&lt;/dt:description&gt;   &lt;dt:modelType&gt;{0,1}&lt;/dt:modelType&gt;   &lt;dt:format&gt;{0,1}&lt;/dt:format&gt;   &lt;dt:quantityKind&gt;{0,1}&lt;/dt:quantityKind&gt; &lt;/dt:DK&gt;</pre>				
Attributes	<b>QName</b>	<b>Type</b>	<b>Fixed</b>	<b>Default</b>	<b>Use</b>
	id	xs:anyURI			optional
Source	<pre>&lt;xs:element name="DK"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Data Kind&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element type="xs:string" name="description" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Provides an Optional description of the Data Kind&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element type="xs:string" name="modelType" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Specifies the Model type of the Data (i.e. SenML, OM, ...)&lt;/ xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="format" type="xs:string" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Specifies the format of the Data (i.e. JSON, XML,...)&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="quantityKind" minOccurs="0" type="xs:anyURI"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;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)&lt;/ xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI" /&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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	<p>The diagram illustrates the relationship between the 'description' element and the 'xs:string' type. The 'description' element is shown with a circle icon, and a line connects it to the 'xs:string' type box. A callout box explains that 'xs:string' is a built-in primitive type representing character strings in XML.</p>		
Type	xs:string		
Properties	content:	simple	
	minOccurs:	0	
Source	<pre>&lt;xs:element type="xs:string" name="description" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Provides an Optional description of the Data Kind&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;xs:element type="xs:string" name="modelType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Specifies the Model type of the Data (i.e. SenML, OM, ...)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>				
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>&lt;xs:element name="format" type="xs:string" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Specifies the format of the Data (i.e. JSON, XML,...)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;xs:element name="quantityKind" minOccurs="0" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;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)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	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>&lt;dt:DI id=" " xmlns:dt="eu:faredge:drpp:di"&gt;   &lt;dt:communicationProtocol&gt;{0,1}&lt;/dt:communicationProtocol&gt;   &lt;dt:Parameters&gt;{1,1}&lt;/dt:Parameters&gt; &lt;/dt:DI&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
Source	<pre>&lt;xs:element name="DI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Data Interface Specification&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element type="xs:string" name="communicationProtocol" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Specifies the protocol Type (i.e. MQTT, JMS, OPCUA, HTTP ...)&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element ref="dt:Parameters"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI" /&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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	<p>communicationProtocol</p> <p>xs:string</p> <p>Specifies the protocol Type (i.e. MQTT, JMS, OPCUA, HTTP ...)</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<pre>&lt;xs:element type="xs:string" name="communicationProtocol" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Specifies the protocol Type (i.e. MQTT, JMS, OPCUA, HTTP ...)&lt;/   xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	<p>Parameters</p> <p>dt:Parameter</p> <p>Analytics Processor parameter</p>
Properties	content: complex
Used by	Element dt:DI
Model	dt:Parameter*
Children	dt:Parameter
Instance	<pre>&lt;dt:Parameters xmlns:dt="eu:faredge:drpp:di"&gt;   &lt;dt:Parameter name=" "&gt;{0,unbounded}&lt;/dt:Parameter&gt; &lt;/dt:Parameters&gt;</pre>
Source	<pre>&lt;xs:element name="Parameters"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="dt:Parameter"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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	<p>Parameter</p> <p>Analytics Processor parameter</p> <p>attributes</p> <p>name</p> <p>description</p> <p>Element describing the value of an attribute.</p> <p>dataType</p> <p>A classification of data (i.e. short, int, float, boolean, ...)</p> <p>defaultValue</p> <p>A predefined default value for an attribute.</p>
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>&lt;dt:Parameter name="" xmlns:dt="eu:faredge:drpp:di"&gt;   &lt;dt:description&gt;{1,1}&lt;/dt:description&gt;   &lt;dt:dataType&gt;{1,1}&lt;/dt:dataType&gt;   &lt;dt:defaultValue&gt;{0,1}&lt;/dt:defaultValue&gt; &lt;/dt:Parameter&gt;</pre>				
Attributes	<b>QName</b>	<b>Type</b>	<b>Fixed</b>	<b>Default</b>	<b>Use</b>
	<b>name</b>	xs:string			optional
Source	<pre>&lt;xs:element name="Parameter"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Analytics Processor parameter&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="description" type="xs:anyType" minOccurs="1"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Element describing the value of an attribute.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element minOccurs="1" name="dataType" type="xs:string"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;A classification of data (i.e. short, int, float, boolean, ...)&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="defaultValue" type="xs:anyType" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;A predefined default value for an attribute.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="name" type="xs:string"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;xs:element name="description" type="xs:anyType" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element describing the value of an attribute.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;xs:element minOccurs="1" name="dataType" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A classification of data (i.e. short, int, float, boolean, ...)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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
Annotations	A predefined default value for an attribute.
Diagram	
Properties	minOccurs: 0
Source	<pre>&lt;xs:element name="defaultValue" type="xs:anyType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A predefined default value for an attribute.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;dsd:DSD id=" " xmlns:dsd="eu:faredge:drpp:dsd"&gt;   &lt;dsd:DataInterfaceReferenceID&gt;{1,1}&lt;/dsd:DataInterfaceReferenceID&gt;   &lt;dsd:DataKindReferenceIDs&gt;{1,1}&lt;/dsd:DataKindReferenceIDs&gt; &lt;/dsd:DSD&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
	Uniquely identifies the Data Source as a URI				
Source	<pre>&lt;xs:element name="DSD"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Data Source Definition&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="DataInterfaceReferenceID" type="xs:anyURI"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Points to an existing FAR-EDGE Data Interface definition&lt;/ xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="DataKindReferenceIDs"&gt;         &lt;xs:complexType&gt;           &lt;xs:sequence&gt;             &lt;xs:element name="DataKindReferenceID" type="xs:anyURI" maxOccurs="unbounded"&gt;               &lt;xs:annotation&gt;                 &lt;xs:documentation&gt;Points to an existing FAR-EDGE Data Kind definition&lt;/ xs:documentation&gt;               &lt;/xs:annotation&gt;             &lt;/xs:element&gt;           &lt;/xs:sequence&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Uniquely identifies the Data Source as a URI&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;xs:element name="DataInterfaceReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Points to an existing FAR-EDGE Data Interface definition&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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
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Diagram	
Properties	content: complex
Model	dsd:DataKindReferenceID+
Children	dsd:DataKindReferenceID
Instance	<pre>&lt;dsd:DataKindReferenceIDs xmlns:dsd="eu:faredge:drpp:dsd"&gt;   &lt;dsd:DataKindReferenceID&gt;{1,unbounded}&lt;/dsd:DataKindReferenceID&gt; &lt;/dsd:DataKindReferenceIDs&gt;</pre>
Source	<pre>&lt;xs:element name="DataKindReferenceIDs"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="DataKindReferenceID" type="xs:anyURI" maxOccurs="unbounded"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Points to an existing FAR-EDGE Data Kind definition&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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	content: simple maxOccurs: unbounded
Source	<pre>&lt;xs:element name="DataKindReferenceID" type="xs:anyURI" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Points to an existing FAR-EDGE Data Kind definition&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	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:expirationDateTime{0,1} , dcd:validFrom{0,1} , dcd:DataSourceManifestReferenceID , dcd:DataConsumerManifestReferenceID				
Children	dcd:DataConsumerManifestReferenceID, dcd:DataSourceManifestReferenceID, dcd:expirationDateTime, dcd:validFrom				
Instance	<pre>&lt;dcd:DCD id="" xmlns:dcd="eu:faredge:drpp:dcd"&gt;   &lt;dcd:expirationDateTime&gt;{0,1}&lt;/dcd:expirationDateTime&gt;   &lt;dcd:validFrom&gt;{0,1}&lt;/dcd:validFrom&gt;   &lt;dcd:DataSourceManifestReferenceID&gt;{1,1}&lt;/dcd:DataSourceManifestReferenceID&gt;   &lt;dcd:DataConsumerManifestReferenceID&gt;{1,1}&lt;/dcd:DataConsumerManifestReferenceID&gt; &lt;/dcd:DCD&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
	Uniquely identifies the Data Channel as a URI				
Source	<pre>&lt;xs:element name="DCD"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Data Channel Descriptor&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element type="xs:dateTime" name="expirationDateTime" minOccurs="0"/&gt;       &lt;xs:element type="xs:dateTime" name="validFrom" minOccurs="0"/&gt;       &lt;xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;The ID of the Data Source Manifest the Data Channel Descriptor points to.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="DataConsumerManifestReferenceID" nillable="false" type="xs:anyURI"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;The ID of the Data Consumer Manifest the Data Channel Descriptor points to.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Uniquely identifies the Data Channel as a URI&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>				
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd				

### Element dcd:DCD / dcd:expirationDateTime

Namespace	eu:faredge:drpp:dcd
Diagram	
Type	xs:dateTime

Properties	content: simple
	minOccurs: 0
Source	<code>&lt;xs:element type="xs:dateTime" name="expirationDateTime" minOccurs="0"/&gt;</code>
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	<code>&lt;xs:element type="xs:dateTime" name="validFrom" minOccurs="0"/&gt;</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	
Type	xs:anyURI
Properties	content: simple
Source	<pre> &lt;xs:element name="DataSourceManifestReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The ID of the Data Source Manifest the Data Channel Descriptor points to.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </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	
Type	xs:anyURI
Properties	content: simple
	nillable: false
Source	<pre> &lt;xs:element name="DataConsumerManifestReferenceID" nillable="false" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The ID of the Data Consumer Manifest the Data Channel Descriptor points to.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </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:DataSourceDefinitionReferenceID				
Children	dcm:DataSourceDefinitionReferenceID				
Instance	<pre>&lt;dcm:DCM id=" " macAddress=" " xmlns:dcm="eu:faredge:drpp:dcm"&gt;   &lt;dcm:DataSourceDefinitionReferenceID&gt;{1,1}&lt;/dcm:DataSourceDefinitionReferenceID&gt; &lt;/dcm:DCM&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
		Uniquely identifies the Data Consumer Manifest			
	macAddress	xs:string			optional
Source	<pre>&lt;xs:element name="DCM"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Data Consumer Manifest&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="DataSourceDefinitionReferenceID"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Provides a list of pointers to Data Source Definitions that are compatible and of interest.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:simpleType&gt;           &lt;xs:list itemType="xs:anyURI"/&gt;         &lt;/xs:simpleType&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Uniquely identifies the Data Consumer Manifest&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="macAddress" type="xs:string"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>				

Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataConsumerManifest.xsd
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## Element dcm:DCM / dcm:DataSourceDefinitionReferenceID

Namespace	eu:faredge:drpp:dcm
Annotations	Provides a list of pointers to Data Source Definitions that are compatible and of interest.
Diagram	
Type	list of xs:anyURI
Properties	content: simple
Source	<pre>&lt;xs:element name="DataSourceDefinitionReferenceID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Provides a list of pointers to Data Source Definitions that are compatible and of interest.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:list itemType="xs:anyURI"/&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</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>&lt;dsm:DSM id=" " macAddress=" " xmlns:dsm="eu:faredge:drpp:dsm"&gt;   &lt;dsm:DataSourceDefinitionReferenceID&gt;{1,1}&lt;/dsm:DataSourceDefinitionReferenceID&gt;   &lt;dsm:DataSourceDefinitionInterfaceParameters&gt;{1,1}&lt;/dsm:DataSourceDefinitionInterfaceParameters&gt; &lt;/dsm:DSM&gt;</pre>				
Attributes	<b>QName</b>	<b>Type</b>	<b>Fixed</b>	<b>Default</b>	<b>Use</b>
	<b>id</b>	xs:anyURI			optional
		Uniquely identifies the Data Source Manifest as a URI			
	<b>macAddress</b>	xs:string			optional
Source	<pre>&lt;xs:element name="DSM"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Data Source Manifest&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="DataSourceDefinitionReferenceID" type="xs:anyURI"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Points to an existing Data Source Definition.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element ref="dsm:DataSourceDefinitionInterfaceParameters" /&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Uniquely identifies the Data Source Manifest as a URI&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="macAddress" type="xs:string" /&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;xs:element name="DataSourceDefinitionReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Points to an existing Data Source Definition.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	
Properties	content: complex
Used by	Element dsm:DSM
Model	dsm:Parameter+
Children	dsm:Parameter

Instance	<pre>&lt;dsm:DataSourceDefinitionInterfaceParameters xmlns:dsm="eu:faredge:drpp:dsm"&gt;   &lt;dsm:Parameter&gt;{1,unbounded}&lt;/dsm:Parameter&gt; &lt;/dsm:DataSourceDefinitionInterfaceParameters&gt;</pre>
Source	<pre>&lt;xs:element name="DataSourceDefinitionInterfaceParameters"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Data Source Definition Interface configuration parameters&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="dsm:Parameter" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>graph LR     Param([Parameter]) --&gt; Key([key])     Param --&gt; Value([value])</pre>
Properties	content: complex
Used by	Element dsm:DataSourceDefinitionInterfaceParameters
Model	dsm:key , dsm:value
Children	dsm:key, dsm:value
Instance	<pre>&lt;dsm:Parameter xmlns:dsm="eu:faredge:drpp:dsm"&gt;   &lt;dsm:key&gt;{1,1}&lt;/dsm:key&gt;   &lt;dsm:value&gt;{1,1}&lt;/dsm:value&gt; &lt;/dsm:Parameter&gt;</pre>
Source	<pre>&lt;xs:element name="Parameter"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element type="xs:string" name="key"/&gt;       &lt;xs:element type="xs:string" name="value"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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	<pre>graph LR     Key([key]) --&gt; String[/xs:string/]     String --- Note[Built-in primitive type. The string datatype represents character strings in XML.]</pre>
Type	xs:string
Properties	content: simple
Source	<pre>&lt;xs:element type="xs:string" name="key"/&gt;</pre>
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	<pre>graph LR     Value([value]) --&gt; String[/xs:string/]     String --- Note[Built-in primitive type. The string datatype represents character strings in XML.]</pre>
Type	xs:string

Properties	content: simple
Source	<xs:element type="xs:string" name="value"/>
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>&lt;apd:APD id="" name="" xmlns:apd="eu:faredge:ea:apd"&gt;   &lt;apd:processorType&gt;{1,1}&lt;/apd:processorType&gt;   &lt;apd:version&gt;{0,1}&lt;/apd:version&gt;   &lt;apd:copyright&gt;{0,1}&lt;/apd:copyright&gt;   &lt;apd:description&gt;{0,1}&lt;/apd:description&gt;   &lt;apd:processorLocation&gt;{1,1}&lt;/apd:processorLocation&gt;   &lt;apd:AdditionalInformation&gt;{0,unbounded}&lt;/apd:AdditionalInformation&gt;   &lt;apd:Parameters&gt;{0,1}&lt;/apd:Parameters&gt; &lt;/apd:APD&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
		The Processor ID			
	name	xs:string			optional
		The processor name			
Source	<pre>&lt;xs:element name="APD"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Analytics Processor Definition&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element minOccurs="1" maxOccurs="1" name="processorType" type="xs:string"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;The type of the Processor&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="version" type="xs:string" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;The version of the processor type&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="copyright" type="xs:string" maxOccurs="1" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Processor Owner&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element minOccurs="0" maxOccurs="1" name="description" type="xs:string"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Deacription of the Processor&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element minOccurs="1" maxOccurs="1" name="processorLocation" type="xs:string"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;The physical or relative location of the processor library&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="apd:AdditionalInformation"/&gt;       &lt;xs:element minOccurs="0" maxOccurs="1" ref="apd:Parameters"/&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:anyURI" use="optional"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The Processor ID&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;     &lt;xs:attribute name="name" type="xs:string"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The processor name&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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	content: simple
	minOccurs: 1
	maxOccurs: 1
Source	<pre>&lt;xs:element minOccurs="1" maxOccurs="1" name="processorType" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The type of the Processor&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	content: simple
	minOccurs: 0
Source	<pre>&lt;xs:element name="version" type="xs:string" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The version of the processor type&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	content: simple
	minOccurs: 0
	maxOccurs: 1
Source	<pre>&lt;xs:element name="copyright" type="xs:string" maxOccurs="1" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Processor Owner&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	Description of the Processor
Diagram	
Type	xs:string

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Source	<pre>&lt;xs:element minOccurs="0" maxOccurs="1" name="description" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Deacription of the Processor&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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	content:	simple
	minOccurs:	1
	maxOccurs:	1
Source	<pre>&lt;xs:element minOccurs="1" maxOccurs="1" name="processorLocation" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The physical or relative location of the processor library&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;xs:element name="AdditionalInformation" type="xs:anyType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Optional auxiliary field that may contain any additional information&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;apd:Parameters xmlns:apd="eu:faredge:ea:apd"&gt;   &lt;apd:Parameter name=""&gt;{0,unbounded}&lt;/apd:Parameter&gt; &lt;/apd:Parameters&gt;</pre>	
Source	<pre>&lt;xs:element name="Parameters"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Analytics Processor list of required parameters&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" minOccurs="0" ref="apd:Parameter"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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				
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>&lt;apd:Parameter name=" " xmlns:apd="eu:faredge:ea:apd"&gt;   &lt;apd:description&gt;{1,1}&lt;/apd:description&gt;   &lt;apd:dataType&gt;{1,1}&lt;/apd:dataType&gt;   &lt;apd:defaultValue&gt;{0,1}&lt;/apd:defaultValue&gt; &lt;/apd:Parameter&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	name	xs:string			optional
Source	<pre>&lt;xs:element name="Parameter"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Analytics Processor parameter&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="description" type="xs:anyType" minOccurs="1"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Element describing the value of an attribute.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="dataType" type="xs:string" minOccurs="1"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;A classification of data (i.e. short, int, float, boolean, ...)         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="defaultValue" type="xs:string" minOccurs="0"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;A predefined default value for an attribute.         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>				

	<pre> &lt;/xs:element&gt; &lt;xs:element minOccurs="1" name="dataType" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A classification of data (i.e. short, int, float, boolean, ...)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="defaultValue" type="xs:anyType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A predefined default value for an attribute.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;xs:attribute name="name" type="xs:string"/&gt; &lt;/xs:complexType&gt; &lt;/xs:element&gt; </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	<p>The diagram illustrates the 'description' element, which is used to describe the value of an attribute. It is linked to the 'xs:anyType' type, which is noted as serving as the root of the type definition hierarchy for any schema. The 'description' element has a cardinality of 1, and the 'xs:anyType' type has a cardinality of 0..∞.</p>
Properties	minOccurs: 1
Source	<pre> &lt;xs:element name="description" type="xs:anyType" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element describing the value of an attribute.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </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	<p>The diagram illustrates the 'dataType' element, which is used to classify data (i.e. short, int, float, boolean, ...). It is linked to the 'xs:string' type, which is noted as a built-in primitive type representing character strings in XML. The 'dataType' element has a cardinality of 1, and the 'xs:string' type has a cardinality of 1.</p>
Type	xs:string
Properties	content: simple minOccurs: 1
Source	<pre> &lt;xs:element minOccurs="1" name="dataType" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A classification of data (i.e. short, int, float, boolean, ...)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </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
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Annotations	A predefined default value for an attribute.
Diagram	
Properties	minOccurs: 0
Source	<pre>&lt;xs:element name="defaultValue" type="xs:anyType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A predefined default value for an attribute.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</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>&lt;am:AM id=" " xmlns:am="eu:faredge:ea:orchestrator" xmlns:apm="eu:faredge:ea:processor"&gt;   &lt;apm:APM AnalyticsProcessorDefinitionReferenceID=" " id=" "&gt;{1,unbounded}&lt;/apm:APM&gt; &lt;/am:AM&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	id	xs:anyURI			optional
Source	<pre>&lt;xs:element name="AM"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Edge Analytics Orchestrator Manifest&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;</pre>				

	<pre> &lt;xs:complexType&gt;   &lt;xs:sequence&gt;     &lt;xs:element maxOccurs="unbounded" ref="apm:APM" /&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="id" type="xs:anyURI" /&gt; &lt;/xs:complexType&gt; &lt;/xs:element&gt; </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

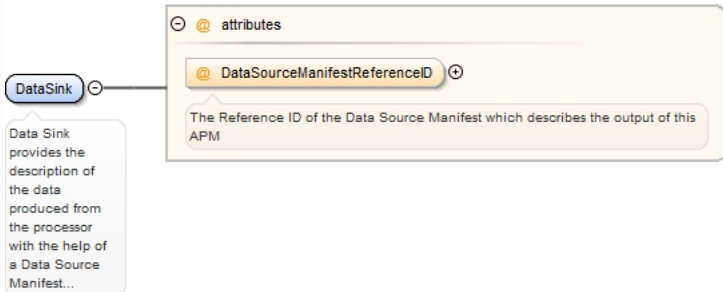
### Element(s)

#### Element apm:APM

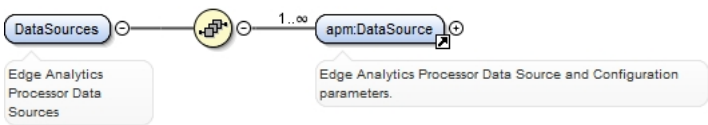
Namespace	eu:faredge:ea:processor				
Annotations	FAR-Edge Analytics Processor Manifest				
Diagram	<pre>graph TD     APM[APM: FAR-Edge Analytics Processor Manifest] --- Attributes[attributes]     Attributes --- ID[id]     Attributes --- APDRefID[AnalyticsProcessorDefinitionReferenceID]     Note1[The Reference ID of the Analytics Processor Definition(APD) this APM is using] --- APDRefID     APM --- DataSinkContainer[DataSink]     DataSinkContainer --- DataSink[apm:DataSink]     Note2[Data Sink provides the description of the data produced from the processor with the help of a Data Source Manifest...] --- DataSink     DataSinkContainer --- DataSources[apm:DataSources]     Note3[Edge Analytics Processor Data Sources] --- DataSources</pre>				
Properties	content:	complex			
Used by	Elements	am:AM, dm:EdgeGateway/dm:DataManipulation, dm:FarEdgeDM/dm:DataManipulation			
Model	apm:DataSink , apm:DataSources				
Children	apm:DataSink, apm:DataSources				
Instance	<pre>&lt;apm:APM AnalyticsProcessorDefinitionReferenceID=" " id=" " xmlns:apm="eu:faredge:ea:processor"&gt;   &lt;apm:DataSink DataSourceManifestReferenceID=" "&gt;{1,1}&lt;/apm:DataSink&gt;   &lt;apm:DataSources&gt;{1,1}&lt;/apm:DataSources&gt; &lt;/apm:APM&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	AnalyticsProcessorDefinitionReferenceID	xs:anyURI			optional
		The Reference ID of the Analytics Processor Definition(APD) this APM is using			
	id	xs:anyURI			optional
Source	<pre>&lt;xs:element name="APM"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;FAR-Edge Analytics Processor Manifest&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;</pre>				

	<pre> &lt;xs:element ref="apm:DataSink"/&gt; &lt;xs:element ref="apm:DataSources"/&gt; &lt;/xs:sequence&gt; &lt;xs:attribute name="id" type="xs:anyURI"/&gt; &lt;xs:attribute name="AnalyticsProcessorDefinitionReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The Reference ID of the Analytics Processor Definition(APD) this APM is     using&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

## Element apm:DataSink

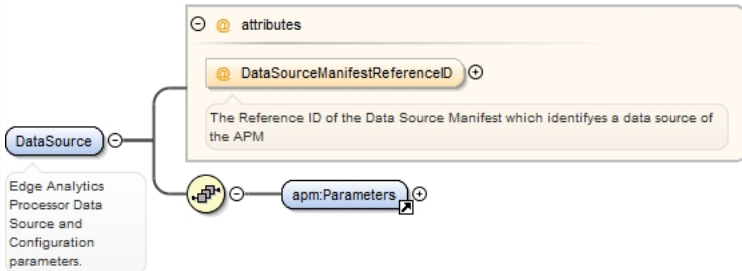
Namespace	eu:faredge:ea:processor				
Annotations	Data Sink provides the description of the data produced from the processor with the help of a Data Source Manifest which it references.				
Diagram					
Properties	content:	complex			
Used by	Element	apm:APM			
Attributes	<b>QName</b>	<b>Type</b>	<b>Fixed</b>	<b>Default</b>	<b>Use</b>
	<b>DataSourceManifestReferenceID</b>	xs:anyURI			optional
		The Reference ID of the Data Source Manifest which describes the output of this APM			
Source	<pre>&lt;xs:element name="DataSink"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Data Sink provides the description of the data produced from the processor with the help of a Data Source Manifest which it references.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:attribute name="DataSourceManifestReferenceID" type="xs:anyURI"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The Reference ID of the Data Source Manifest which describes the output of this APM&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>				
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					
Properties	content:	complex			
Used by	Element	apm:APM			

Model	apm:DataSource+
Children	apm:DataSource
Instance	<pre>&lt;apm:DataSources xmlns:apm="eu:faredge:ea:processor"&gt;   &lt;apm:DataSource DataSourceManifestReferenceID=" "&gt;{1,unbounded}&lt;/apm:DataSource&gt; &lt;/apm:DataSources&gt;</pre>
Source	<pre>&lt;xs:element name="DataSources"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Edge Analytics Processor Data Sources&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="apm:DataSource" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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					
Properties	content:	complex			
Used by	Element	apm:DataSources			
Model	apm:Parameters				
Children	apm:Parameters				
Instance	<pre>&lt;apm:DataSource DataSourceManifestReferenceID=" " xmlns:apm="eu:faredge:ea:processor"&gt;   &lt;apm:Parameters&gt;{1,1}&lt;/apm:Parameters&gt; &lt;/apm:DataSource&gt;</pre>				
Attributes	QName	Type	Fixed	Default	Use
	DataSourceManifestReferenceID	xs:anyURI			optional
		The Reference ID of the Data Source Manifest which identifies a data source of the APM			
Source	<pre>&lt;xs:element name="DataSource"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Edge Analytics Processor Data Source and Configuration parameters.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="apm:Parameters" /&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="DataSourceManifestReferenceID" type="xs:anyURI"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The Reference ID of the Data Source Manifest which identifies a data source of the APM&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:attribute&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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
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Diagram		
Properties	content:	complex
Used by	Element	apm:DataSource
Model	apm:Parameter+	
Children	apm:Parameter	
Instance	<pre>&lt;apm:Parameters xmlns:apm="eu:faredge:ea:processor"&gt;   &lt;apm:Parameter&gt;{1,unbounded}&lt;/apm:Parameter&gt; &lt;/apm:Parameters&gt;</pre>	
Source	<pre>&lt;xs:element name="Parameters"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="apm:Parameter"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>	
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd	

## Element apm:Parameter

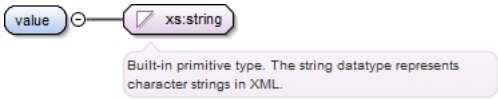
Namespace	eu:faredge:ea:processor	
Annotations	Analytics Processor Manifest parameter	
Diagram		
Properties	content:	complex
Used by	Element	apm:Parameters
Model	ALL(apm:key apm:value)	
Children	apm:key, apm:value	
Instance	<pre>&lt;apm:Parameter xmlns:apm="eu:faredge:ea:processor"&gt;   &lt;apm:key&gt;{1,1}&lt;/apm:key&gt;   &lt;apm:value&gt;{1,1}&lt;/apm:value&gt; &lt;/apm:Parameter&gt;</pre>	
Source	<pre>&lt;xs:element name="Parameter"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Analytics Processor Manifest parameter&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:all&gt;       &lt;xs:element name="key" type="xs:string"/&gt;       &lt;xs:element name="value" type="xs:string"/&gt;     &lt;/xs:all&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</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>&lt;xs:element name="key" type="xs:string"/&gt;</pre>	

Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd
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**Element apm:Parameter / apm:value**

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

**Namespace: ""****Attribute(s)****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>&lt;xs:attribute name="id" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Uniquely identifies the Data Source as a URI&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</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	<code>&lt;xs:attribute name="name" type="xs:string"/&gt;</code>
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	<code>&lt;xs:attribute name="id" type="xs:anyURI"/&gt;</code>
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
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Type	xs:anyURI
Properties	content: simple
Used by	Element dt:DK
Source	<code>&lt;xs:attribute name="id" type="xs:anyURI"/&gt;</code>
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	<code>&lt;xs:attribute name="name" type="xs:string"/&gt;</code>
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	<code>&lt;xs:attribute name="id" type="xs:anyURI" use="optional"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The Processor ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</code>
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	<code>&lt;xs:attribute name="name" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The processor name&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</code>
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	<code>&lt;xs:attribute name="id" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;</code>

	<pre> &lt;xs:documentation&gt;Uniquely identifies the Data Channel as a URI&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DataChannelDescriptor.xsd

**Attribute apm:DataSink / @DataSourceManifestReferenceID**

Namespace	No namespace
Annotations	The Reference ID of the Data Source Manifest which describes the output of this APM
Type	xs:anyURI
Properties	content: simple
Used by	Element apm:DataSink
Source	<pre> &lt;xs:attribute name="DataSourceManifestReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The Reference ID of the Data Source Manifest which describes the output of     this APM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

**Attribute apm:DataSource / @DataSourceManifestReferenceID**

Namespace	No namespace
Annotations	The Reference ID of the Data Source Manifest which identifies a data source of the APM
Type	xs:anyURI
Properties	content: simple
Used by	Element apm:DataSource
Source	<pre> &lt;xs:attribute name="DataSourceManifestReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The Reference ID of the Data Source Manifest which identifies a data source of     the APM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/AnalyticsProcessorManifest.xsd

**Attribute apm:APM / @id**

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

**Attribute apm:APM / @AnalyticsProcessorDefinitionReferenceID**

Namespace	No namespace
Annotations	The Reference ID of the Analytics Processor Definition(APD) this APM is using
Type	xs:anyURI
Properties	content: simple
Used by	Element apm:APM
Source	<pre> &lt;xs:attribute name="AnalyticsProcessorDefinitionReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The Reference ID of the Analytics Processor Definition(APD) this APM is     using&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre>

	<code>&lt;/xs:annotation&gt;</code> <code>&lt;/xs:attribute&gt;</code>
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>&lt;xs:attribute name="id" type="xs:anyURI"/&gt;</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>&lt;xs:attribute name="id" type="xs:anyURI"&gt;</code> <code>&lt;xs:annotation&gt;</code> <code>&lt;xs:documentation&gt;Uniquely identifies the Data Source Manifest as a URI&lt;/xs:documentation&gt;</code> <code>&lt;/xs:annotation&gt;</code> <code>&lt;/xs:attribute&gt;</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>&lt;xs:attribute name="macAddress" type="xs:string"/&gt;</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>&lt;xs:attribute name="id" type="xs:anyURI"&gt;</code> <code>&lt;xs:annotation&gt;</code> <code>&lt;xs:documentation&gt;Uniquely identifies the Data Consumer Manifest&lt;/xs:documentation&gt;</code> <code>&lt;/xs:annotation&gt;</code> <code>&lt;/xs:attribute&gt;</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
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Type	xs:string
Properties	content: simple
Used by	Element dcm:DCM
Source	<code>&lt;xs:attribute name="macAddress" type="xs:string"/&gt;</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
Type	xs:anyURI
Properties	content: simple
Used by	Element dm:observation
Source	<code>&lt;xs:attribute name="id" type="xs:anyURI"/&gt;</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>&lt;xs:attribute name="name" type="xs:string"/&gt;</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>&lt;xs:attribute name="DataKindReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The ID of the Data Kind this observation refaire to.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</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>&lt;xs:attribute name="DataSourceManifestReferenceID" type="xs:anyURI"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The ID of the Data Source Manifest (physical or virtual) these observations refaire to.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</code>

Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd
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**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>&lt;xs:attribute default="false" name="mobile" type="xs:boolean"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;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.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt;</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>&lt;xs:attribute name="id" type="xs:anyURI"/&gt;</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>&lt;xs:attribute name="name" type="xs:string"/&gt;</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>&lt;xs:attribute name="namespace" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;For scope hierarchy.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</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
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Type	xs:string
Properties	content: simple
Used by	Element dm:EdgeGateway
Source	<code>&lt;xs:attribute name="macAddress" type="xs:string"/&gt;</code>
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
Type	xs:anyURI
Properties	content: simple
Used by	Element dm:FarEdgeDM
Source	<code>&lt;xs:attribute name="id" type="xs:anyURI"/&gt;</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>&lt;xs:attribute name="name" type="xs:string"/&gt;</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>&lt;xs:attribute name="namespace" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;For scope hierarchy.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</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>&lt;xs:attribute name="id" type="xs:anyURI"/&gt;</code>
Schema location	file:/C:/Ext_SSD/AIT/FAR-EDGE/Tasks/Digital Models/Model/FAR-EDGE_ML/DigitalModels.xsd