Schema documentation for t5_xml.xsd

september 22, 2015

Table of Contents

Namespace: "http://sll-mdilab.net/T5/" 2
- Schema(s) 2
  - Main schema t5_xml.xsd 2
- Element(s) 2
  - Element t5:PCD_01_Message 2
  - Element t5:PCD_01_Message / t5:Sending_Application 3
  - Element t5:PCD_01_Message / t5:Sending_Facility 4
  - Element t5:Patient_Result 5
  - Element t5:Patient 5
  - Element t5:Identifier 6
  - Element t5:Patient / t5:Name 6
  - Element t5:Order_Observations 7
  - Element t5:Order 7
  - Element t5:Order / t5:FillerOrderNumber 8
  - Element t5:Order / t5:UniversalServiceID 9
  - Element t5:MDS 9
  - Element t5:VMD 10
  - Element t5:CHAN 10
  - Element t5:Metric 11
  - Element t5:Metric / t5:Facet 12
  - Element t5:Observation 13
  - Element t5:Observation / t5:ObsIdentifier 15
  - Element t5:Value 17
  - Element t5:Unit 17
  - Element t5:Timestamp 18
  - Element t5:Method 18
  - Element t5:Body_Site 18
  - Element t5:Status 18
  - Element t5:Abnormal_Flag 19
  - Element t5:EquipmentIdentifier 19
  - Element t5:Note 19
  - Element t5:Facet 20
  - Element t5:Result 20
- Complex Type(s) 21
  - Complex Type t5:PCD_01_Message 21
  - Complex Type t5:Patient_Result 22
  - Complex Type t5:Patient 23
  - Complex Type t5:Order_Observations 23
  - Complex Type t5:Order 23
  - Complex Type t5:MDS 25
  - Complex Type t5:VMD 25
  - Complex Type t5:CHAN 26
  - Complex Type t5:Metric 27
  - Complex Type t5:Observation 28
  - Complex Type t5:Unit 31
  - Complex Type t5:Timestamp 32
  - Complex Type t5:EquipmentIdentifier 32
  - Complex Type t5:Facet 32

Namespace: "" 33
- Attribute(s) 33
  - Attribute t5:PCD_01_Message / t5:Sending_Application / @idLocal 33
  - Attribute t5:PCD_01_Message / t5:Sending_Application / @idUniversal 33
  - Attribute t5:PCD_01_Message / t5:Sending_Application / @idUniversalType 34
  - Attribute t5:PCD_01_Message / t5:Sending_Facility / @idLocal 34
  - Attribute t5:PCD_01_Message / t5:Sending_Facility / @idUniversal 34
  - Attribute t5:PCD_01_Message / t5:Sending_Facility / @idUniversalType 34
  - Attribute t5:Identifier / @authority 34
  - Attribute t5:Identifier / @typeCode 35
  - Attribute t5:Order / t5:FillerOrderNumber / @idLocal 35
  - Attribute t5:Order / t5:FillerOrderNumber / @nameSpaceID 35
  - Attribute t5:Order / t5:FillerOrderNumber / @idUniversal 35
  - Attribute t5:Order / t5:FillerOrderNumber / @idUniversalType 35

Attribute t5:Order / t5:UniversalServiceID / @id 35
Attribute t5:Order / t5:UniversalServiceID / @codingSystemName 36
Attribute t5:Order / @timeStamp 36
Attribute t5:Observation / t5:ObsIdentifier / @id 36
Attribute t5:Observation / t5:ObsIdentifier / @codingSystemName 36
Attribute t5:Observation / t5:ObsIdentifier / @isAlternate 37
Attribute t5:Observation / t5:ObsIdentifier / @notFound 37
Attribute t5:Value / @typeHL7v2 37
Attribute t5:Unit / @id 37
Attribute t5:Unit / @codingSystemName 37
Attribute t5:EquipmentIdentifier / @nameSpaceID 38
Attribute t5:Observation / @uid 38
Attribute t5:Observation / @hierarchy 38
Attribute t5:Observation / @index 38
Attribute t5:Observation / @setid 38
Attribute t5:Observation / @violatesIHE 39
Attribute t5:Metric / t5:Facet / @index 39
Attribute t5:Metric / t5:Facet / @id 39
Attribute t5:Metric / @index 39
Attribute t5:Metric / @id 39
Attribute t5:CHAN / @index 40
Attribute t5:CHAN / @id 40
Attribute t5:VMD / @index 40
Attribute t5:VMD / @id 40
Attribute t5:MDS / @index 40
Attribute t5:MDS / @id 41
Attribute t5:PCD_01_Message / @timeStamp 41
Attribute t5:PCD_01_Message / @id 41
Attribute t5:Facet / @index 41
Attribute t5:Facet / @id 41
Attribute t5:Result / @unit 42

Namespace: "http://sll-mdilab.net/T5/"

Schema(s)

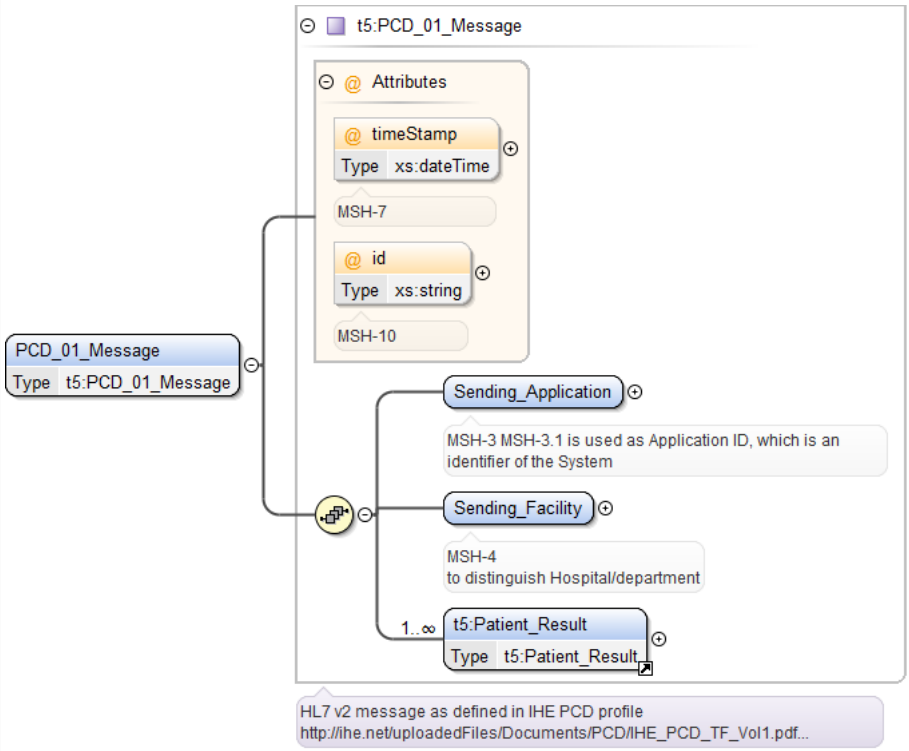
Main schema `t5_xml.xsd`

Namespace	http://sll-mdilab.net/T5/
Annotations	`T5 observations`
Properties	attribute form default: `unqualified` element form default: `qualified`

Element(s)

Element `t5:PCD_01_Message`

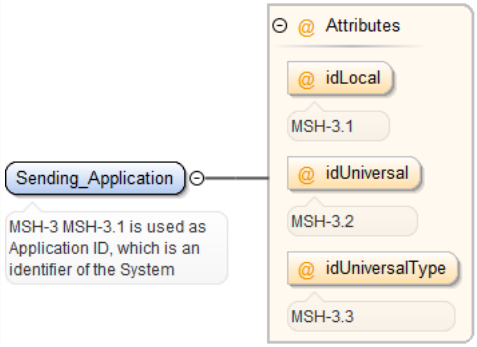
Namespace	http://sll-mdilab.net/T5/

Diagram	
Type	t5:PCD_01_Message
Properties	content: complex
Model	t5:Sending_Application , t5:Sending_Facility , t5:Patient_Result+
Children	t5:Patient_Result, t5:Sending_Application, t5:Sending_Facility

Instance	`<t5:PCD_01_Message id="" timeStamp="" xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:Sending_Application idLocal="" idUniversal="" idUniversalType="">{1,1}</t5:Sending_Application>`
	`  <t5:Sending_Facility idLocal="" idUniversal="" idUniversalType="">{1,1}</t5:Sending_Facility>`
	`  <t5:Patient_Result>{1,unbounded}</t5:Patient_Result>`
	`</t5:PCD_01_Message>`

Attributes	**QName** / **Type** / **Use** **id** / xs:string / optional MSH-10 **timeStamp** / xs:dateTime / optional MSH-7
Source	`<xs:element name="PCD_01_Message" type="t5:PCD_01_Message">` `</xs:element>`

Element t5:PCD_01_Message / t5:Sending_Application

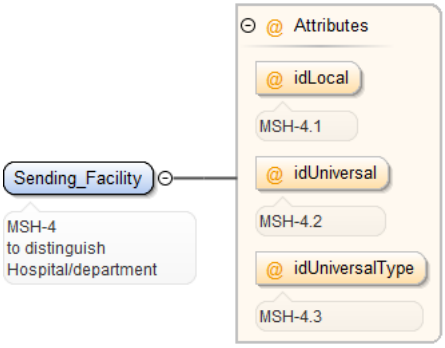
Namespace	http://sll-mdilab.net/T5/
Annotations	MSH-3 MSH-3.1 is used as Application ID, which is an identifier of the System
Diagram	

Properties	content:	complex		
Attributes	**QName**	**Type**	**Use**	
	idLocal		optional	
		MSH-3.1		
	idUniversal		optional	
		MSH-3.2		
	idUniversalType		optional	
		MSH-3.3		

Source

```
<xs:element name="Sending_Application">
  <xs:annotation>
    <xs:documentation>MSH-3 MSH-3.1 is used as Application ID, which is an identifier of the
 System</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:attribute name="idLocal" use="optional">
      <xs:annotation>
        <xs:documentation>MSH-3.1</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="idUniversal">
      <xs:annotation>
        <xs:documentation>MSH-3.2</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="idUniversalType">
      <xs:annotation>
        <xs:documentation>MSH-3.3</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

Element t5:PCD_01_Message / t5:Sending_Facility

Namespace	http://sll-mdilab.net/T5/
Annotations	MSH-4 to distinguish Hospital/department
Diagram	
Properties	content: complex

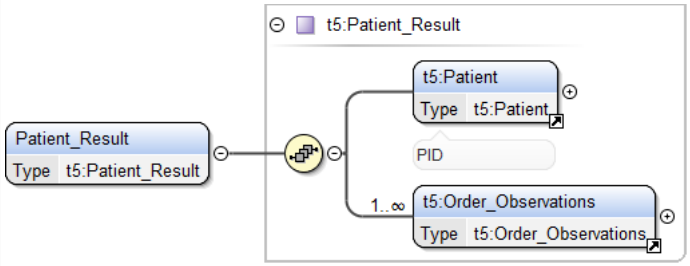
Attributes	**QName**	**Type**	**Use**	
	idLocal		optional	
		MSH-4.1		
	idUniversal		optional	
		MSH-4.2		
	idUniversalType		optional	
		MSH-4.3		

Source

```
<xs:element name="Sending_Facility">
  <xs:annotation>
    <xs:documentation>MSH-4</xs:documentation>
    <xs:documentation>to distinguish Hospital/department</xs:documentation>
  </xs:annotation>
  <xs:complexType>
```

```
    <xs:attribute name="idLocal" use="optional">
      <xs:annotation>
        <xs:documentation>MSH-4.1</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="idUniversal">
      <xs:annotation>
        <xs:documentation>MSH-4.2</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="idUniversalType">
      <xs:annotation>
        <xs:documentation>MSH-4.3</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

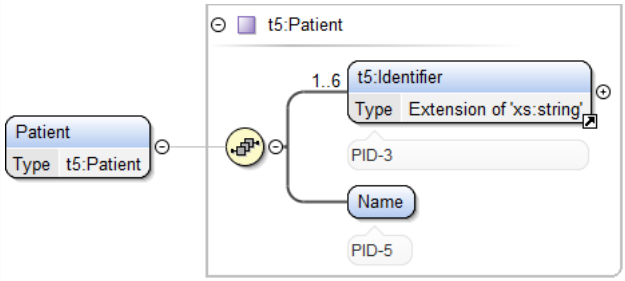
Element `t5:Patient_Result`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	t5:Patient_Result
Properties	content: `complex`
Used by	Complex Type t5:PCD_01_Message
Model	t5:Patient , t5:Order_Observations+
Children	t5:Order_Observations, t5:Patient

Instance	`<t5:Patient_Result xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:Patient>{1,1}</t5:Patient>`
	`  <t5:Order_Observations>{1,unbounded}</t5:Order_Observations>`
	`</t5:Patient_Result>`

Source	`<xs:element name="Patient_Result" type="t5:Patient_Result">` `</xs:element>`

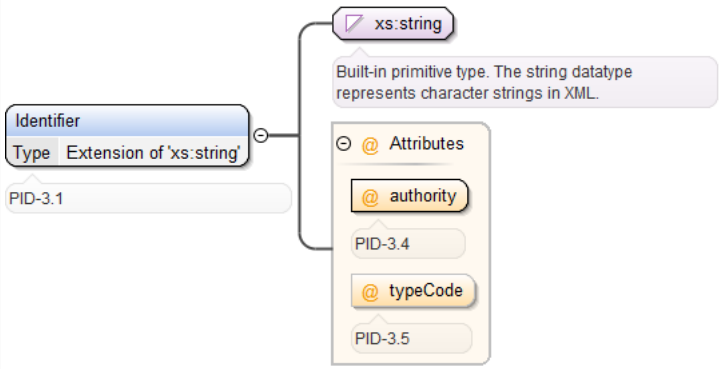
Element `t5:Patient`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	t5:Patient
Properties	content: `complex`
Used by	Complex Type t5:Patient_Result
Model	t5:Identifier{1,6} , t5:Name
Children	t5:Identifier, t5:Name

Instance	`<t5:Patient xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:Identifier authority="" typeCode="">{1,6}</t5:Identifier>`
	`  <t5:Name>{1,1}</t5:Name>`

	`</t5:Patient>`
Source	`<xs:element name="Patient" type="t5:Patient">` `</xs:element>`

Element `t5:Identifier`

Namespace	http://sll-mdilab.net/T5/
Annotations	`PID-3.1`
Diagram	
Type	extension of xs:string
Properties	content: `complex` mixed: `true`
Used by	Complex Type t5:Patient

Attributes

QName	Type	Use	
authority		required	
	`PID-3.4`		
typeCode		optional	
	`PID-3.5`		

Source

```
<xs:element name="Identifier">
  <xs:annotation>
    <xs:documentation>PID-3.1</xs:documentation>
  </xs:annotation>
  <xs:complexType mixed="true">
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="authority" use="required">
          <xs:annotation>
            <xs:documentation>PID-3.4</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="typeCode">
          <xs:annotation>
            <xs:documentation>PID-3.5</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

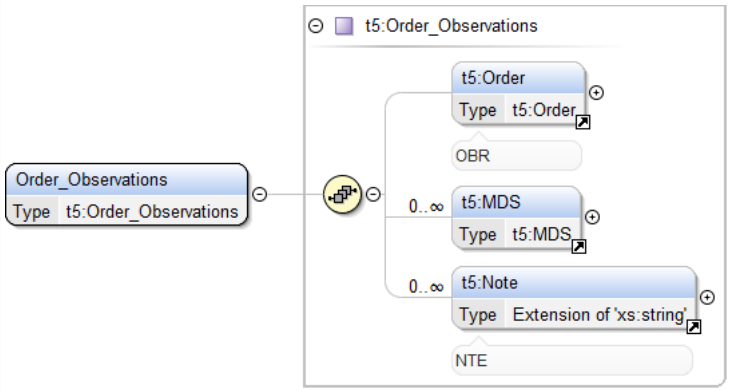
Element `t5:Patient / t5:Name`

Namespace	http://sll-mdilab.net/T5/
Annotations	`PID-5`
Diagram	

Source	`<xs:element name="Name">`
	`  <xs:annotation>`
	`  <xs:documentation>PID-5</xs:documentation>`
	`  </xs:annotation>`

```
</xs:element>
```

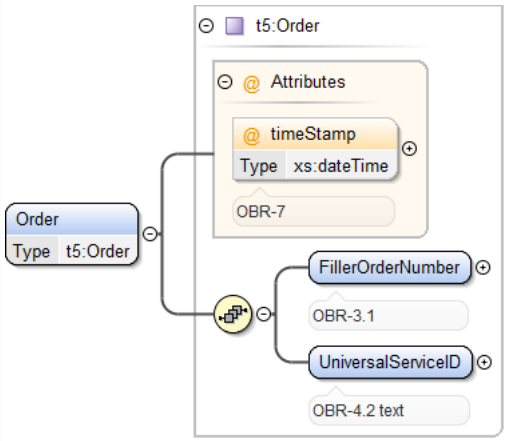
Element `t5:Order_Observations`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	t5:Order_Observations
Properties	content: `complex`
Used by	Complex Type t5:Patient_Result
Model	t5:Order{0,1} , t5:MDS* , t5:Note*
Children	t5:MDS, t5:Note, t5:Order

Instance	`<t5:Order_Observations xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:Order timeStamp="">{0,1}</t5:Order>`
	`  <t5:MDS id="" index="">{0,unbounded}</t5:MDS>`
	`  <t5:Note>{0,unbounded}</t5:Note>`
	`</t5:Order_Observations>`

Source	`<xs:element name="Order_Observations" type="t5:Order_Observations">` `</xs:element>`

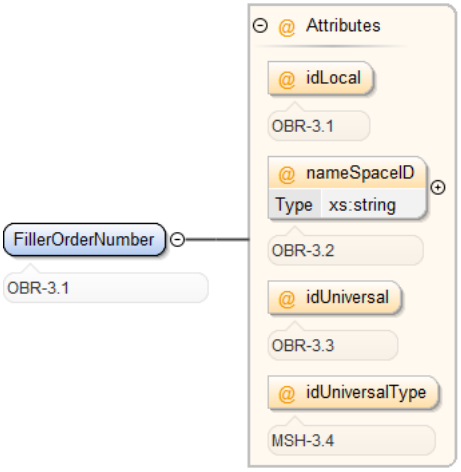
Element `t5:Order`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	t5:Order
Properties	content: `complex`
Used by	Complex Type t5:Order_Observations
Model	t5:FillerOrderNumber , t5:UniversalServiceID
Children	t5:FillerOrderNumber, t5:UniversalServiceID

Instance	`<t5:Order timeStamp="" xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:FillerOrderNumber idLocal="" idUniversal="" idUniversalType="" nameSpaceID="">{1,1}</`
	`t5:FillerOrderNumber>`
	`  <t5:UniversalServiceID codingSystemName="" id="">{1,1}</t5:UniversalServiceID>`
	`</t5:Order>`

Attributes	**QName**	**Type**	**Use**	
	timeStamp	xs:dateTime	optional	
		OBR-7		
Source	`<xs:element name="Order" type="t5:Order">` `</xs:element>`			

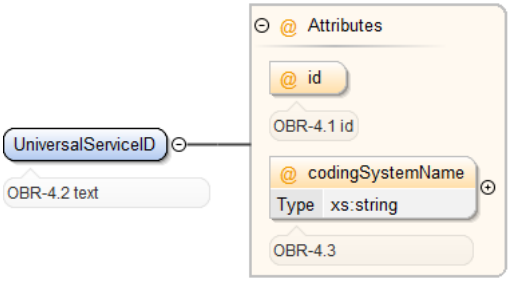
Element `t5:Order / t5:FillerOrderNumber`

Namespace	http://sll-mdilab.net/T5/			
Annotations	OBR-3.1			
Diagram				
Properties	content:	complex		
	maxOccurs:	1		
Attributes	**QName**	**Type**	**Use**	
	idLocal		optional	
		OBR-3.1		
	idUniversal		optional	
		OBR-3.3		
	idUniversalType		optional	
		MSH-3.4		
	nameSpaceID	xs:string	optional	
		OBR-3.2		

Source

```
<xs:element name="FillerOrderNumber" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>OBR-3.1</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:attribute name="idLocal" use="optional">
      <xs:annotation>
        <xs:documentation>OBR-3.1</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="nameSpaceID" type="xs:string">
      <xs:annotation>
        <xs:documentation>OBR-3.2</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="idUniversal">
      <xs:annotation>
        <xs:documentation>OBR-3.3</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="idUniversalType">
      <xs:annotation>
        <xs:documentation>MSH-3.4</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

Element t5:Order / t5:UniversalServiceID

Namespace	http://sll-mdilab.net/T5/
Annotations	OBR-4.2 text
Diagram	
Properties	content: complex minOccurs: 1 maxOccurs: 1

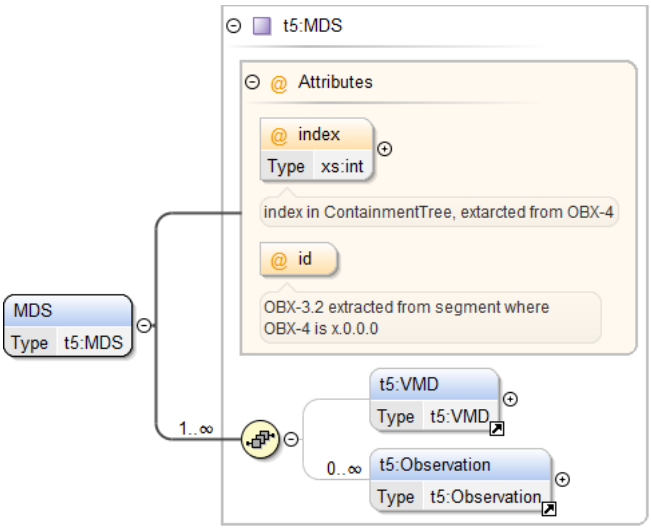
Attributes

QName	Type	Use	
codingSystemName	xs:string	optional	
	OBR-4.3		
id		optional	
	OBR-4.1 id		

Source

```
<xs:element name="UniversalServiceID" maxOccurs="1" minOccurs="1">
  <xs:annotation>
    <xs:documentation>OBR-4.2 text</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:attribute name="id" use="optional">
      <xs:annotation>
        <xs:documentation>OBR-4.1 id</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="codingSystemName" type="xs:string" use="optional">
      <xs:annotation>
        <xs:documentation>OBR-4.3</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

Element t5:MDS

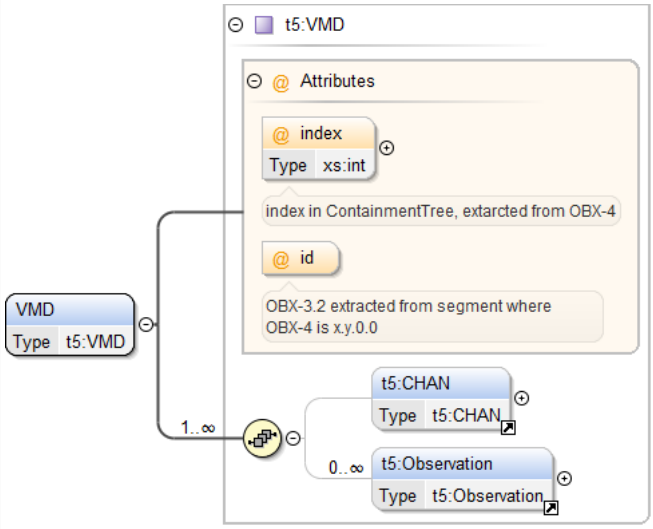
Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	t5:MDS
Properties	content: complex

Used by	Complex Type t5:Order_Observations
Model	t5:VMD{0,1} , t5:Observation*
Children	t5:Observation, t5:VMD

Instance	`<t5:MDS id="" index="" xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:VMD id="" index="">{0,1}</t5:VMD>`
	`  <t5:Observation hierarchy="" index="" setid="" uid="" violatesIHE="">{0,unbounded}</t5:Observation>`
	`</t5:MDS>`

Attributes	**QName** / **Type** / **Use** **id** / / optional OBX-3.2 extracted from segment where OBX-4 is x.0.0.0 **index** / xs:int / optional index in ContainmentTree, extarcted from OBX-4
Source	`<xs:element name="MDS" type="t5:MDS">` `</xs:element>`

Element t5:VMD

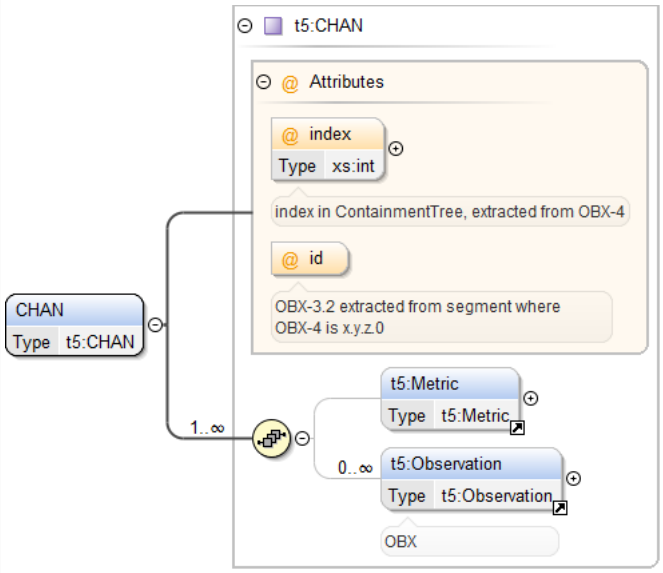
Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	t5:VMD
Properties	content: complex
Used by	Complex Type t5:MDS
Model	t5:CHAN{0,1} , t5:Observation*
Children	t5:CHAN, t5:Observation

Instance	`<t5:VMD id="" index="" xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:CHAN id="" index="">{0,1}</t5:CHAN>`
	`  <t5:Observation hierarchy="" index="" setid="" uid="" violatesIHE="">{0,unbounded}</t5:Observation>`
	`</t5:VMD>`

Attributes	**QName** / **Type** / **Use** **id** / / optional OBX-3.2 extracted from segment where OBX-4 is x.y.0.0 **index** / xs:int / optional index in ContainmentTree, extarcted from OBX-4
Source	`<xs:element name="VMD" type="t5:VMD">` `</xs:element>`

Element t5:CHAN

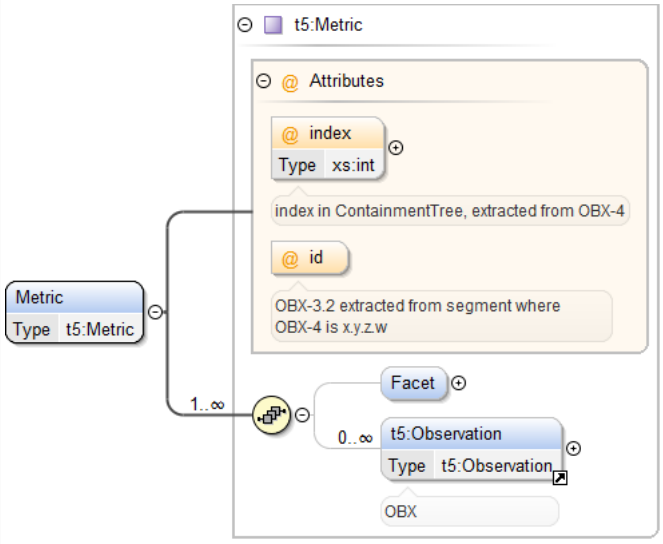
Namespace	http://sll-mdilab.net/T5/

Diagram	
Type	t5:CHAN
Properties	content: complex
Used by	Complex Type t5:VMD
Model	t5:Metric{0,1} , t5:Observation*
Children	t5:Metric, t5:Observation

Instance	`<t5:CHAN id="" index="" xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:Metric id="" index="">{0,1}</t5:Metric>`
	`  <t5:Observation hierarchy="" index="" setid="" uid="" violatesIHE="">{0,unbounded}</t5:Observation>`
	`</t5:CHAN>`

Attributes	**QName** / **Type** / **Use** **id** / / optional OBX-3.2 extracted from segment where OBX-4 is x.y.z.0 **index** / xs:int / optional index in ContainmentTree, extracted from OBX-4
Source	`<xs:element name="CHAN" type="t5:CHAN">` `</xs:element>`

Element `t5:Metric`

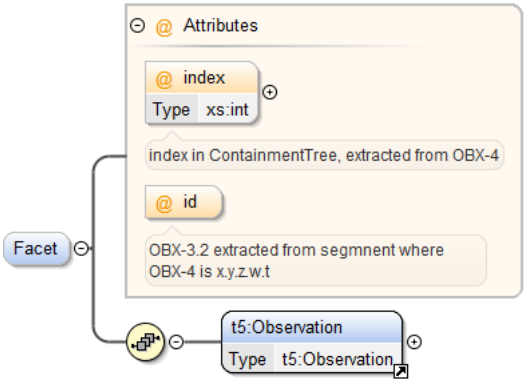
Namespace	http://sll-mdilab.net/T5/
Diagram	

Type	t5:Metric
Properties	content: complex
Used by	Complex Type t5:CHAN
Model	t5:Facet{0,1} , t5:Observation*
Children	t5:Facet, t5:Observation

Instance	`<t5:Metric id="" index="" xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:Facet id="" index="">{0,1}</t5:Facet>`
	`  <t5:Observation hierarchy="" index="" setid="" uid="" violatesIHE="">{0,unbounded}</t5:Observation>`
	`</t5:Metric>`

Attributes	**QName** / **Type** / **Use** **id** / / optional OBX-3.2 extracted from segment where OBX-4 is x.y.z.w **index** / xs:int / optional index in ContainmentTree, extracted from OBX-4
Source	`<xs:element name="Metric" type="t5:Metric">` `</xs:element>`

Element t5:Metric / t5:Facet

Namespace	http://sll-mdilab.net/T5/
Diagram	
Properties	content: complex minOccurs: 0
Model	t5:Observation
Children	t5:Observation

Instance	`<t5:Facet id="" index="" xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:Observation hierarchy="" index="" setid="" uid="" violatesIHE="">{1,1}</t5:Observation>`
	`</t5:Facet>`

Attributes	**QName** / **Type** / **Use** **id** / / optional OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t **index** / xs:int / optional index in ContainmentTree, extracted from OBX-4

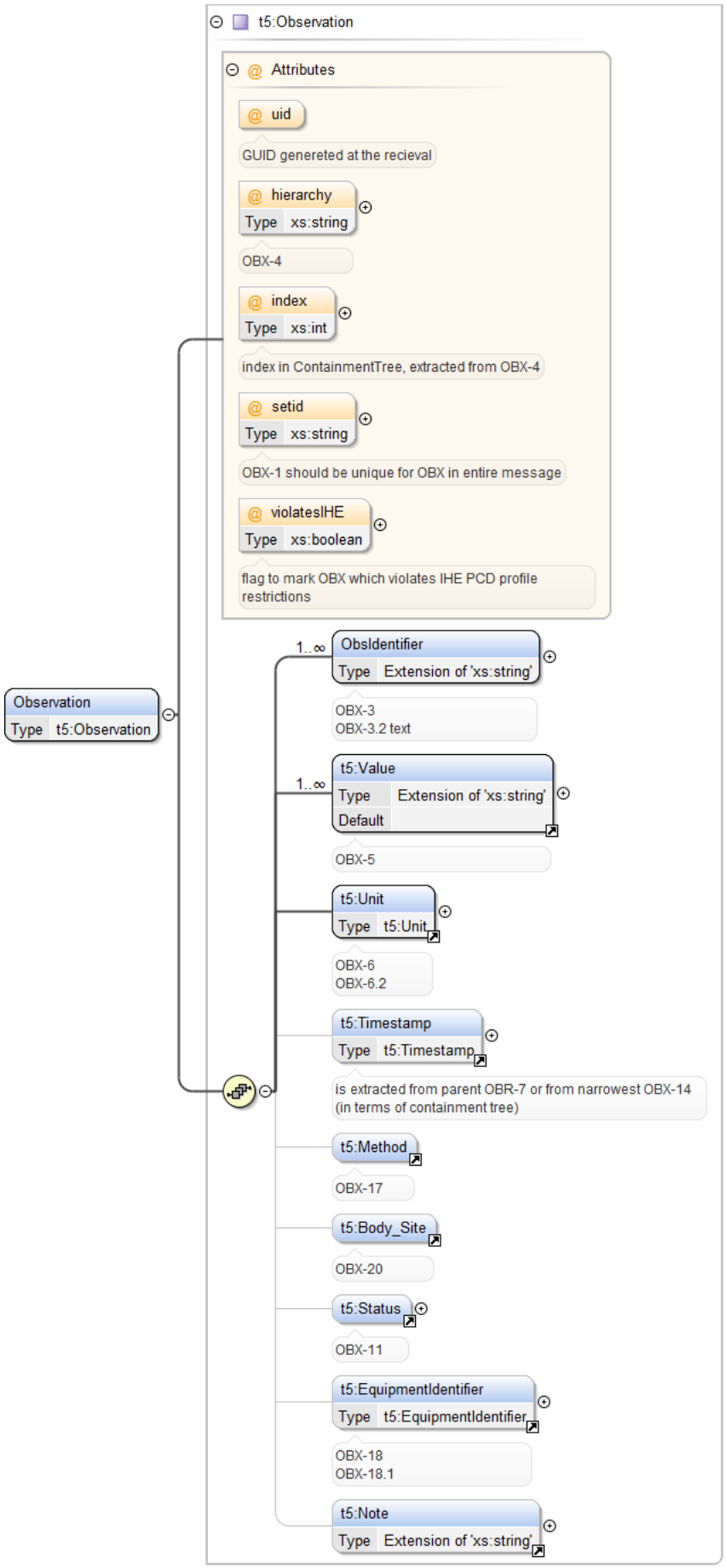
Source	`<xs:element name="Facet" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="t5:Observation"/>`
	`  </xs:sequence>`
	`  <xs:attribute name="index" form="unqualified" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:attribute>`
	`  <xs:attribute name="id">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t</xs:documentation>`

```
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

Element `t5:Observation`

Namespace	http://sll-mdilab.net/T5/

Diagram


t5:Observation
Attributes
uid
GUID genereted at the recieval
hierarchy
Type xs:string
OBX-4
index
Type xs:int
index in ContainmentTree, extracted from OBX-4
setid
Type xs:string
OBX-1 should be unique for OBX in entire message
violatesIHE
Type xs:boolean
flag to mark OBX which violates IHE PCD profile restrictions
Observation
Type t5:Observation
1..∞
ObsIdentifier
Type Extension of 'xs:string'
OBX-3
OBX-3.2 text
1..∞
t5:Value
Type Extension of 'xs:string'
Default
OBX-5
t5:Unit
Type t5:Unit
OBX-6
OBX-6.2
t5:Timestamp
Type t5:Timestamp
is extracted from parent OBR-7 or from narrowest OBX-14 (in terms of containment tree)
t5:Method
OBX-17
t5:Body_Site
OBX-20
t5:Status
OBX-11
t5:EquipmentIdentifier
Type t5:EquipmentIdentifier
OBX-18
OBX-18.1
t5:Note
Type Extension of 'xs:string'

Type	t5:Observation
Properties	content: `complex`
Used by	Element: t5:Metric/t5:Facet Complex Types: t5:CHAN, t5:Facet, t5:MDS, t5:Metric, t5:VMD
Model	t5:ObsIdentifier+ , t5:Value+ , t5:Unit , t5:Timestamp{0,1} , t5:Method{0,1} , t5:Body_Site{0,1} , t5:Status{0,1} , t5:EquipmentIdentifier{0,1} , t5:Note{0,1}
Children	t5:Body_Site, t5:EquipmentIdentifier, t5:Method, t5:Note, t5:ObsIdentifier, t5:Status, t5:Timestamp, t5:Unit, t5:Value

Instance

```
<t5:Observation hierarchy="" index="" setid="" uid="" violatesIHE="" xmlns:t5="http://sll-mdilab.net/T5/">
  <t5:ObsIdentifier codingSystemName="" id="" isAlternate="" notFound="">{1,unbounded}</t5:ObsIdentifier>
  <t5:Value typeHL7v2="">{1,unbounded}</t5:Value>
  <t5:Unit codingSystemName="" id="">{1,1}</t5:Unit>
  <t5:Timestamp>{0,1}</t5:Timestamp>
  <t5:Method>{0,1}</t5:Method>
  <t5:Body_Site>{0,1}</t5:Body_Site>
  <t5:Status>{0,1}</t5:Status>
  <t5:EquipmentIdentifier nameSpaceID="">{0,1}</t5:EquipmentIdentifier>
  <t5:Note>{0,1}</t5:Note>
</t5:Observation>
```

Attributes

QName	Type	Use	
hierarchy	xs:string	optional	
	OBX-4		
index	xs:int	optional	
	index in ContainmentTree, extracted from OBX-4		
setid	xs:string	optional	
	OBX-1 should be unique for OBX in entire message		
uid		optional	
	GUID genereted at the recieval		
violatesIHE	xs:boolean	optional	
	flag to mark OBX which violates IHE PCD profile restrictions		

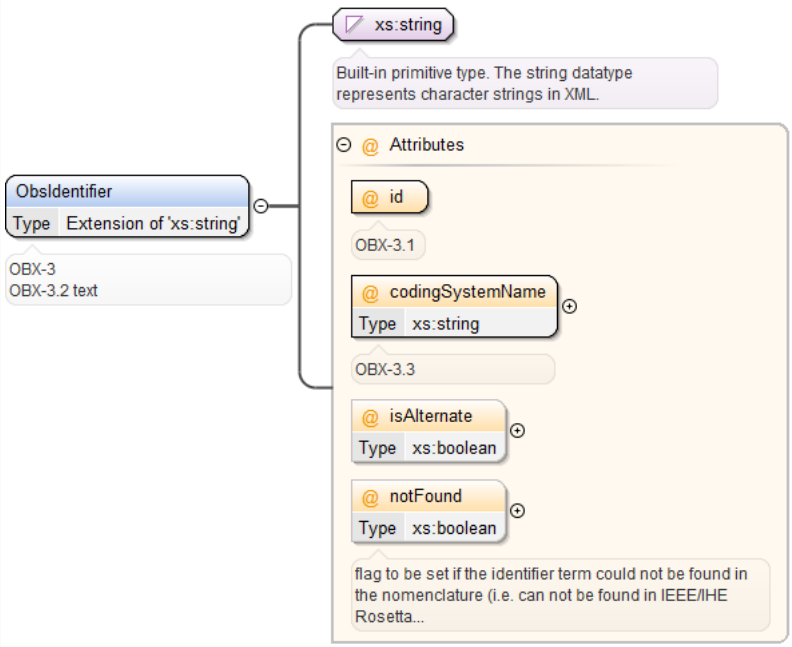
Source

```
<xs:element name="Observation" type="t5:Observation">
</xs:element>
```

Element `t5:Observation / t5:ObsIdentifier`

Namespace	http://sll-mdilab.net/T5/
Annotations	OBX-3 OBX-3.2 text

Diagram



Type

extension of xs:string

Properties

content:	complex
maxOccurs:	unbounded

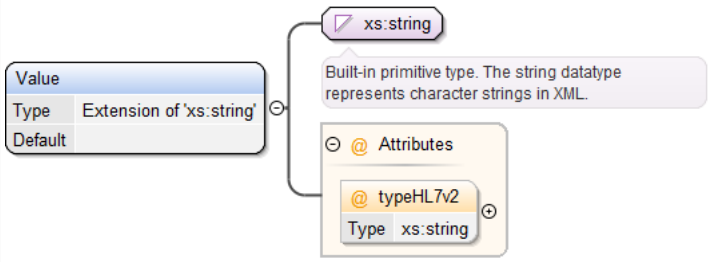
Attributes

QName	Type	Use	
codingSystemName	xs:string	required	
	OBX-3.3		
id		required	
	OBX-3.1		
isAlternate	xs:boolean	optional	
notFound	xs:boolean	optional	
	flag to be set if the identifier term could not be found in the nomenclature (i.e. can not be found in IEEE/IHE Rosetta table)		

Source

```
<xs:element name="ObsIdentifier" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>OBX-3</xs:documentation>
    <xs:documentation>OBX-3.2 text</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="id" use="required">
          <xs:annotation>
            <xs:documentation>OBX-3.1</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="codingSystemName" type="xs:string" use="required">
          <xs:annotation>
            <xs:documentation>OBX-3.3</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="isAlternate" type="xs:boolean"/>
        <xs:attribute name="notFound" type="xs:boolean">
          <xs:annotation>
            <xs:documentation>flag to be set if the identifier term could not be found in the
 nomenclature (i.e. can not be found in IEEE/IHE Rosetta table)</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

Element `t5:Value`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	extension of xs:string
Properties	content: `complex` default: mixed: `true`
Used by	Complex Type t5:Observation

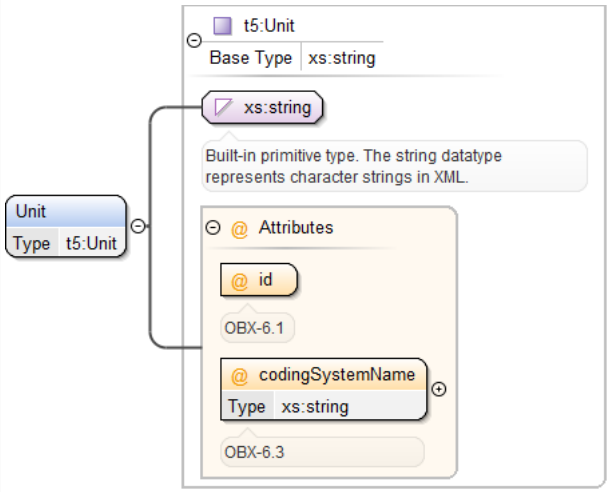
Attributes

QName	Type	Use	
typeHL7v2	xs:string	optional	

Source

```
<xs:element name="Value" default="">
  <xs:complexType mixed="true">
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="typeHL7v2" type="xs:string" use="optional"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

Element `t5:Unit`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	t5:Unit
Properties	content: `complex`
Used by	Complex Type t5:Observation

Attributes

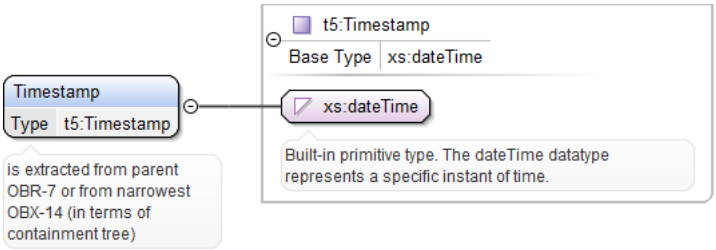
QName	Type	Use	
codingSystemName	xs:string	required	
	`OBX-6.3`		
id		required	
	`OBX-6.1`		

Source

```
<xs:element name="Unit" type="t5:Unit">
```

```
</xs:element>
```

Element t5:Timestamp

Namespace	http://sll-mdilab.net/T5/
Annotations	is extracted from parent OBR-7 or from narrowest OBX-14 (in terms of containment tree)
Diagram	
Type	t5:Timestamp
Properties	content: complex
Used by	Complex Type t5:Observation

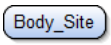
Source	`<xs:element name="Timestamp" type="t5:Timestamp">`
	`  <xs:annotation>`
	`  <xs:documentation>is extracted from parent OBR-7 or from narrowest OBX-14 (in terms of containment tree)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element t5:Method

Namespace	http://sll-mdilab.net/T5/
Diagram	
Properties	content: complex
Used by	Complex Type t5:Observation

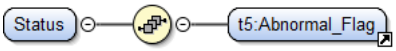
Source	`<xs:element name="Method">`
	`  <xs:complexType/>`
	`</xs:element>`

Element t5:Body_Site

Namespace	http://sll-mdilab.net/T5/
Diagram	
Properties	content: complex
Used by	Complex Type t5:Observation

Source	`<xs:element name="Body_Site">`
	`  <xs:complexType/>`
	`</xs:element>`

Element t5:Status

Namespace	http://sll-mdilab.net/T5/
Diagram	
Properties	content: complex
Used by	Complex Type t5:Observation
Model	t5:Abnormal_Flag
Children	t5:Abnormal_Flag
Instance	`<t5:Status xmlns:t5="http://sll-mdilab.net/T5/">`

```
  <t5:Abnormal_Flag>{1,1}</t5:Abnormal_Flag>
</t5:Status>
```

Source

```
<xs:element name="Status">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="t5:Abnormal_Flag"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Element `t5:Abnormal_Flag`

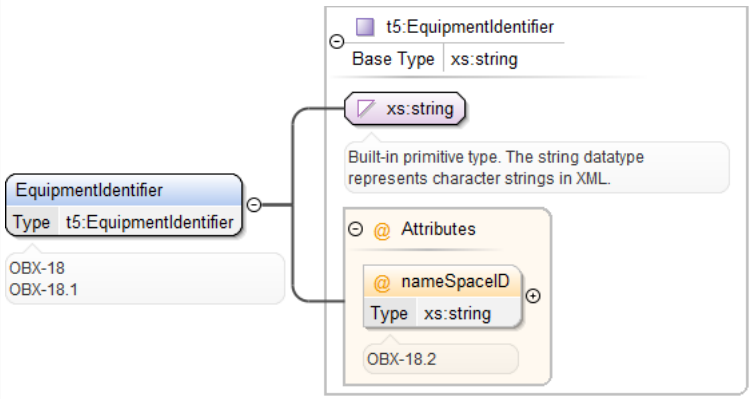
Namespace	http://sll-mdilab.net/T5/
Diagram	Abnormal_Flag
Properties	content: `complex`
Used by	Element t5:Status

Source	`<xs:element name="Abnormal_Flag">`
	`  <xs:complexType/>`
	`</xs:element>`

Element `t5:EquipmentIdentifier`

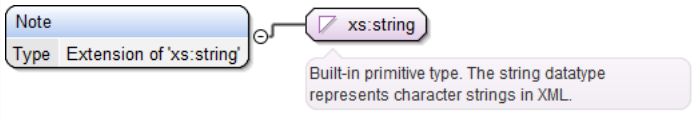
Namespace	http://sll-mdilab.net/T5/

Annotations	`OBX-18`
	
	`OBX-18.1`

Diagram	
Type	t5:EquipmentIdentifier
Properties	content: `complex`
Used by	Complex Type t5:Observation
Attributes	**QName** / **Type** / **Use** **nameSpaceID** / xs:string / optional `OBX-18.2`

Source	`<xs:element name="EquipmentIdentifier" type="t5:EquipmentIdentifier">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-18</xs:documentation>`
	`  <xs:documentation>OBX-18.1</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

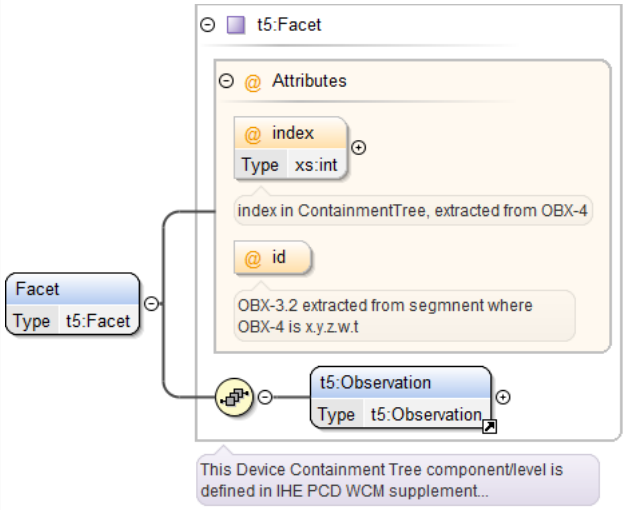
Element `t5:Note`

Namespace	http://sll-mdilab.net/T5/
Diagram	

Type	extension of xs:string
Properties	content: complex
Used by	Complex Types t5:Observation, t5:Order_Observations

Source	`<xs:element name="Note">`
	`  <xs:complexType>`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:string"/>`
	`  </xs:simpleContent>`
	`  </xs:complexType>`
	`</xs:element>`

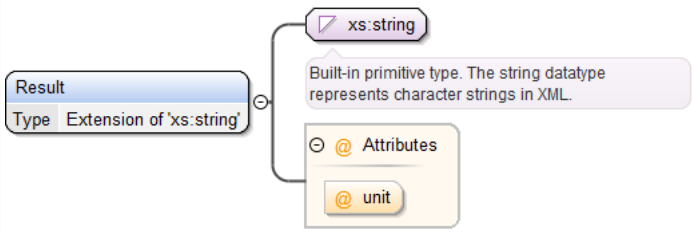
Element t5:Facet

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	t5:Facet
Properties	content: complex
Model	t5:Observation
Children	t5:Observation

Instance	`<t5:Facet id="" index="" xmlns:t5="http://sll-mdilab.net/T5/">`
	`  <t5:Observation hierarchy="" index="" setid="" uid="" violatesIHE="">{1,1}</t5:Observation>`
	`</t5:Facet>`

Attributes	**QName** / **Type** / **Use** **id** / / optional OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t **index** / xs:int / optional index in ContainmentTree, extracted from OBX-4
Source	`<xs:element name="Facet" type="t5:Facet"/>`

Element t5:Result

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	extension of xs:string
Properties	content: complex

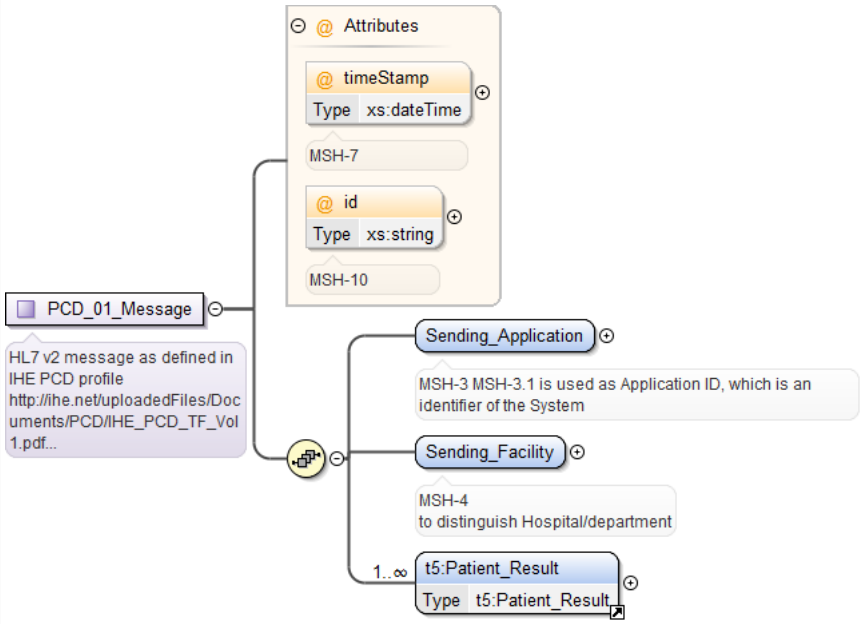
Attributes	**QName**	**Type**	**Use**	
	unit		optional	

Source

```
<xs:element name="Result">
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="unit"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

Complex Type(s)

Complex Type `t5:PCD_01_Message`

Namespace	http://sll-mdilab.net/T5/
Annotations	HL7 v2 message as defined in IHE PCD profile http://ihe.net/uploadedFiles/Documents/PCD/IHE_PCD_TF_Vol1.pdf http://ihe.net/uploadedFiles/Documents/PCD/IHE_PCD_TF_Vol2.pdf http://ihe.net/uploadedFiles/Documents/PCD/IHE_PCD_TF_Vol3.pdf
Diagram	

Used by	Element t5:PCD_01_Message
Model	t5:Sending_Application , t5:Sending_Facility , t5:Patient_Result+
Children	t5:Patient_Result, t5:Sending_Application, t5:Sending_Facility

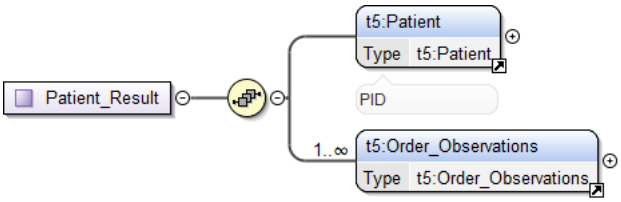
Attributes	**QName**	**Type**	**Use**	
	id	xs:string	optional	
		MSH-10		
	timeStamp	xs:dateTime	optional	
		MSH-7		

Source

```
<xs:complexType name="PCD_01_Message">
  <xs:annotation>
    <xs:documentation>HL7 v2 message as defined in IHE PCD profile http://ihe.net/uploadedFiles/
Documents/PCD/IHE_PCD_TF_Vol1.pdf http://ihe.net/uploadedFiles/Documents/PCD/IHE_PCD_TF_Vol2.pdf
 http://ihe.net/uploadedFiles/Documents/PCD/IHE_PCD_TF_Vol3.pdf</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="Sending_Application">
      <xs:annotation>
        <xs:documentation>MSH-3 MSH-3.1 is used as Application ID, which is an identifier of the
 System</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attribute name="idLocal" use="optional">
```

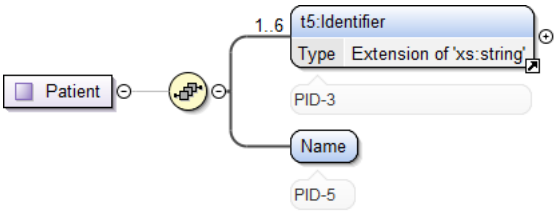
```
          <xs:annotation>
            <xs:documentation>MSH-3.1</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="idUniversal">
          <xs:annotation>
            <xs:documentation>MSH-3.2</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="idUniversalType">
          <xs:annotation>
            <xs:documentation>MSH-3.3</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:complexType>
    </xs:element>
    <xs:element name="Sending_Facility">
      <xs:annotation>
        <xs:documentation>MSH-4</xs:documentation>
        <xs:documentation>to distinguish Hospital/department</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attribute name="idLocal" use="optional">
          <xs:annotation>
            <xs:documentation>MSH-4.1</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="idUniversal">
          <xs:annotation>
            <xs:documentation>MSH-4.2</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="idUniversalType">
          <xs:annotation>
            <xs:documentation>MSH-4.3</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:complexType>
    </xs:element>
    <xs:element ref="t5:Patient_Result" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="timeStamp" type="xs:dateTime">
    <xs:annotation>
      <xs:documentation>MSH-7</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="id" type="xs:string">
    <xs:annotation>
      <xs:documentation>MSH-10</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Complex Type `t5:Patient_Result`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Used by	Element t5:Patient_Result
Model	t5:Patient , t5:Order_Observations+
Children	t5:Order_Observations, t5:Patient

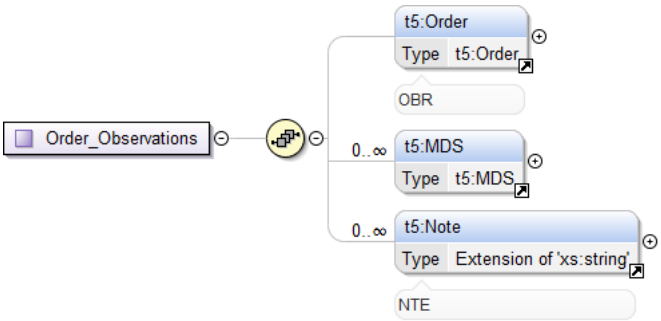
Source	`<xs:complexType name="Patient_Result">`
	`  <xs:sequence>`
	`  <xs:element ref="t5:Patient">`
	`  <xs:annotation>`
	`  <xs:documentation>PID</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element ref="t5:Order_Observations" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `t5:Patient`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Used by	Element t5:Patient
Model	t5:Identifier{1,6} , t5:Name
Children	t5:Identifier, t5:Name

Source	`<xs:complexType name="Patient">`
	`  <xs:sequence minOccurs="0">`
	`  <xs:element ref="t5:Identifier" maxOccurs="6">`
	`  <xs:annotation>`
	`  <xs:documentation>PID-3</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element name="Name">`
	`  <xs:annotation>`
	`  <xs:documentation>PID-5</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `t5:Order_Observations`

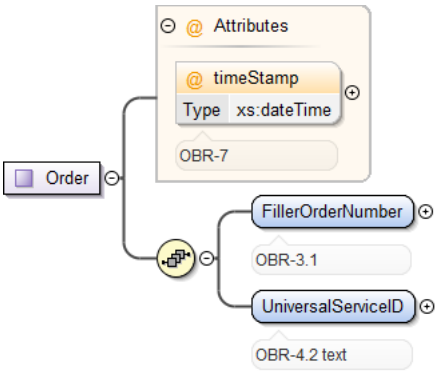
Namespace	http://sll-mdilab.net/T5/
Diagram	
Used by	Element t5:Order_Observations
Model	t5:Order{0,1} , t5:MDS* , t5:Note*
Children	t5:MDS, t5:Note, t5:Order

Source	`<xs:complexType name="Order_Observations">`
	`  <xs:sequence minOccurs="0">`
	`  <xs:element ref="t5:Order" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>OBR</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element ref="t5:MDS" maxOccurs="unbounded" minOccurs="0"/>`
	`  <xs:element ref="t5:Note" maxOccurs="unbounded" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>NTE</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `t5:Order`

Namespace	http://sll-mdilab.net/T5/

Diagram



Used by

Element t5:Order

Model

t5:FillerOrderNumber , t5:UniversalServiceID

Children

t5:FillerOrderNumber, t5:UniversalServiceID

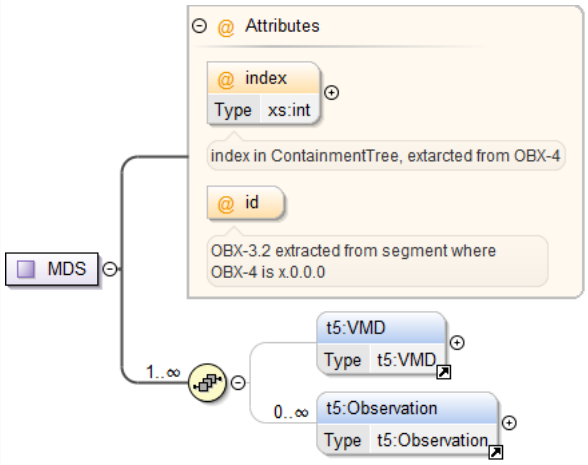
Attributes

QName	Type	Use	
timeStamp	xs:dateTime	optional	
	OBR-7		

Source

```
<xs:complexType name="Order">
  <xs:sequence>
    <xs:element name="FillerOrderNumber" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>OBR-3.1</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attribute name="idLocal" use="optional">
          <xs:annotation>
            <xs:documentation>OBR-3.1</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="nameSpaceID" type="xs:string">
          <xs:annotation>
            <xs:documentation>OBR-3.2</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="idUniversal">
          <xs:annotation>
            <xs:documentation>OBR-3.3</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="idUniversalType">
          <xs:annotation>
            <xs:documentation>MSH-3.4</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:complexType>
    </xs:element>
    <xs:element name="UniversalServiceID" maxOccurs="1" minOccurs="1">
      <xs:annotation>
        <xs:documentation>OBR-4.2 text</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attribute name="id" use="optional">
          <xs:annotation>
            <xs:documentation>OBR-4.1 id</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="codingSystemName" type="xs:string" use="optional">
          <xs:annotation>
            <xs:documentation>OBR-4.3</xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="timeStamp" type="xs:dateTime">
    <xs:annotation>
      <xs:documentation>OBR-7</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Complex Type `t5:MDS`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Used by	Element t5:MDS
Model	t5:VMD{0,1} , t5:Observation*
Children	t5:Observation, t5:VMD

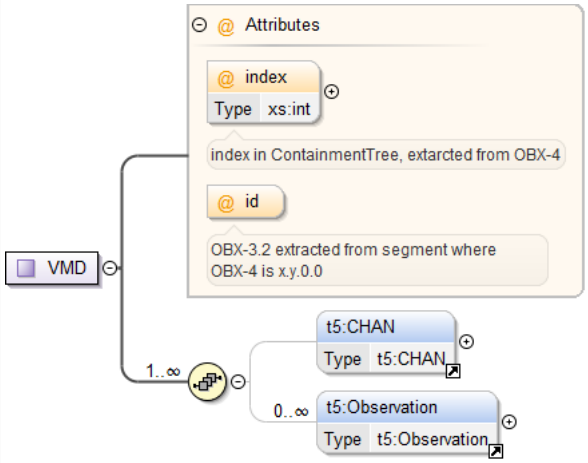
Attributes

QName	Type	Use	
id		optional	
	OBX-3.2 extracted from segment where OBX-4 is x.0.0.0		
index	xs:int	optional	
	index in ContainmentTree, extarcted from OBX-4		

Source

```
<xs:complexType name="MDS">
  <xs:sequence maxOccurs="unbounded">
    <xs:element ref="t5:VMD" maxOccurs="1" minOccurs="0"/>
    <xs:element ref="t5:Observation" maxOccurs="unbounded" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="index" form="unqualified" type="xs:int">
    <xs:annotation>
      <xs:documentation>index in ContainmentTree, extarcted from OBX-4</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="id">
    <xs:annotation>
      <xs:documentation>OBX-3.2 extracted from segment where OBX-4 is x.0.0.0</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Complex Type `t5:VMD`

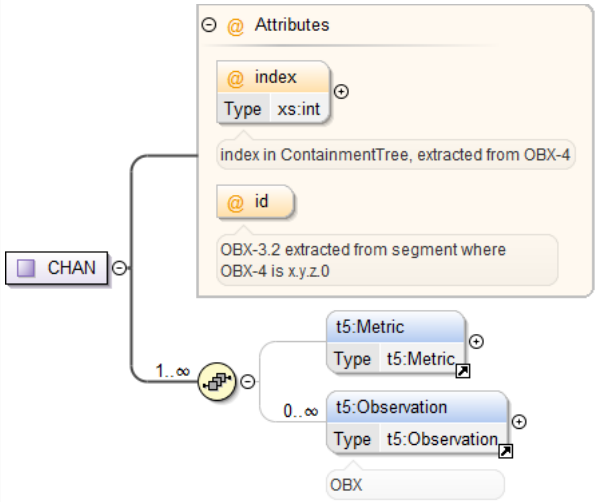
Namespace	http://sll-mdilab.net/T5/
Diagram	

Used by	Element	t5:VMD		
Model	t5:CHAN{0,1} , t5:Observation*			
Children	t5:CHAN, t5:Observation			
Attributes	**QName**	**Type**	**Use**	
	id		optional	
		OBX-3.2 extracted from segment where OBX-4 is x.y.0.0		
	index	xs:int	optional	
		index in ContainmentTree, extarcted from OBX-4		

Source

```
<xs:complexType name="VMD">
  <xs:sequence maxOccurs="unbounded">
    <xs:element ref="t5:CHAN" minOccurs="0"/>
    <xs:element ref="t5:Observation" maxOccurs="unbounded" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="index" form="unqualified" type="xs:int">
    <xs:annotation>
      <xs:documentation>index in ContainmentTree, extarcted from OBX-4</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="id">
    <xs:annotation>
      <xs:documentation>OBX-3.2 extracted from segment where OBX-4 is x.y.0.0</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Complex Type `t5:CHAN`

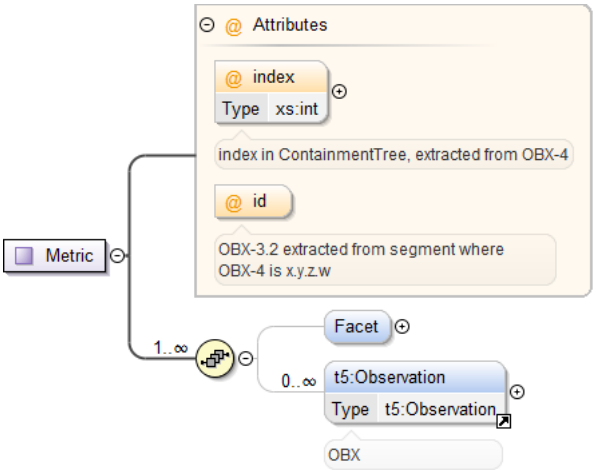
Namespace	http://sll-mdilab.net/T5/
Diagram	
Used by	Element t5:CHAN
Model	t5:Metric{0,1} , t5:Observation*
Children	t5:Metric, t5:Observation
Attributes	**QName** / **Type** / **Use**
	id / optional
	OBX-3.2 extracted from segment where OBX-4 is x.y.z.0
	index / xs:int / optional
	index in ContainmentTree, extracted from OBX-4

Source

```
<xs:complexType name="CHAN">
  <xs:sequence maxOccurs="unbounded">
    <xs:element ref="t5:Metric" minOccurs="0"/>
    <xs:element ref="t5:Observation" maxOccurs="unbounded" minOccurs="0">
      <xs:annotation>
        <xs:documentation>OBX</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
```

```
  <xs:attribute name="index" form="unqualified" type="xs:int">
    <xs:annotation>
      <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="id">
    <xs:annotation>
      <xs:documentation>OBX-3.2 extracted from segment where OBX-4 is x.y.z.0</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Complex Type `t5:Metric`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Used by	Element t5:Metric
Model	t5:Facet{0,1} , t5:Observation*
Children	t5:Facet, t5:Observation

Attributes

QName	Type	Use	
id		optional	
	OBX-3.2 extracted from segment where OBX-4 is x.y.z.w		
index	xs:int	optional	
	index in ContainmentTree, extracted from OBX-4		

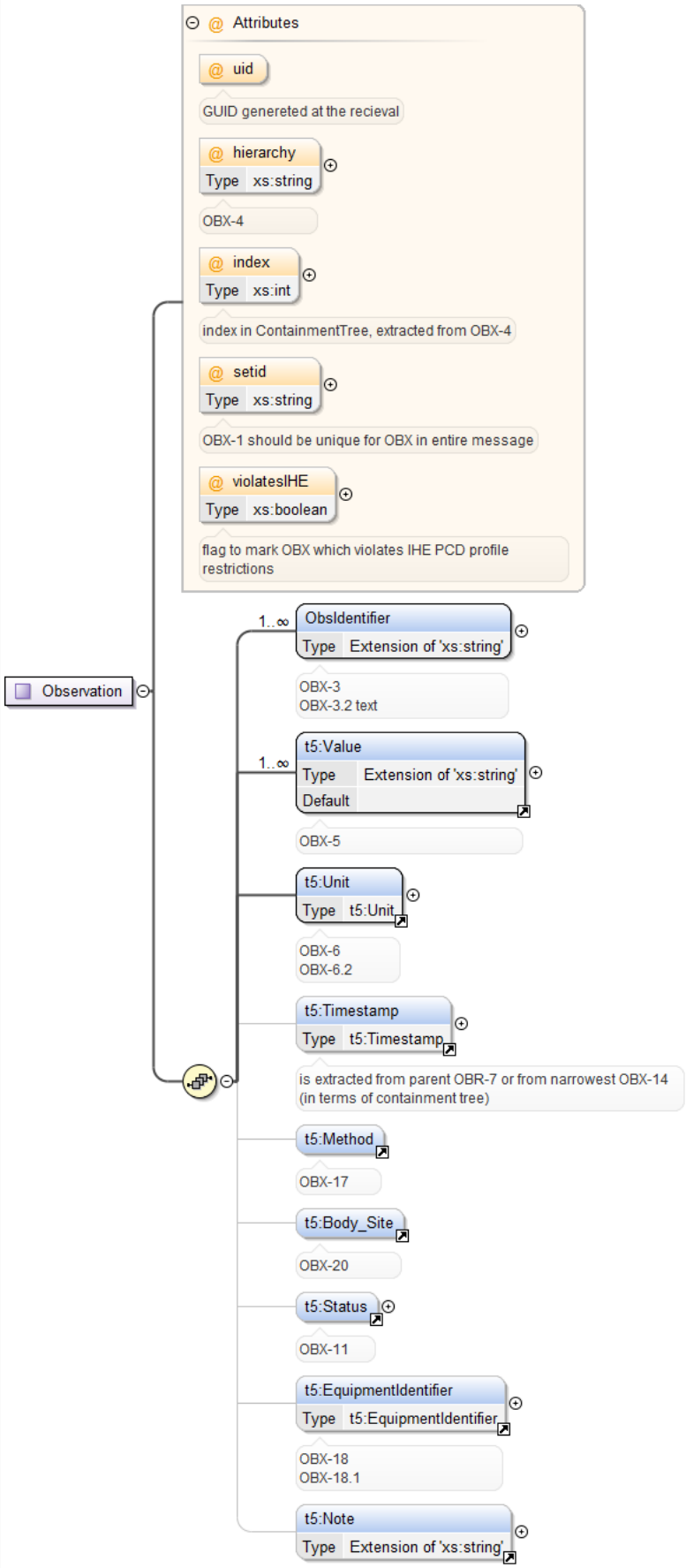
Source

```
<xs:complexType name="Metric">
  <xs:sequence maxOccurs="unbounded">
    <xs:element name="Facet" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="t5:Observation"/>
        </xs:sequence>
        <xs:attribute name="index" form="unqualified" type="xs:int">
          <xs:annotation>
            <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>
          </xs:annotation>
        </xs:attribute>
        <xs:attribute name="id">
          <xs:annotation>
            <xs:documentation>OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t</
xs:documentation>
          </xs:annotation>
        </xs:attribute>
      </xs:complexType>
    </xs:element>
    <xs:element ref="t5:Observation" maxOccurs="unbounded" minOccurs="0">
      <xs:annotation>
        <xs:documentation>OBX</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="index" form="unqualified" type="xs:int">
    <xs:annotation>
      <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>
    </xs:annotation>
```

```
  </xs:attribute>
  <xs:attribute name="id">
    <xs:annotation>
      <xs:documentation>OBX-3.2 extracted from segment where OBX-4 is x.y.z.w</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Complex Type `t5:Observation`

Namespace	http://sll-mdilab.net/T5/

Diagram	
Used by	Element t5:Observation

Model	t5:ObsIdentifier+ , t5:Value+ , t5:Unit , t5:Timestamp{0,1} , t5:Method{0,1} , t5:Body_Site{0,1} , t5:Status{0,1} , t5:EquipmentIdentifier{0,1} , t5:Note{0,1}
Children	t5:Body_Site, t5:EquipmentIdentifier, t5:Method, t5:Note, t5:ObsIdentifier, t5:Status, t5:Timestamp, t5:Unit, t5:Value

Attributes

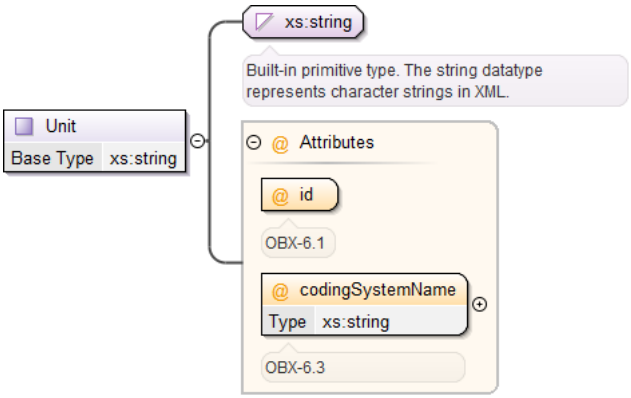
QName	Type	Use	
hierarchy	xs:string	optional	
	OBX-4		
index	xs:int	optional	
	index in ContainmentTree, extracted from OBX-4		
setid	xs:string	optional	
	OBX-1 should be unique for OBX in entire message		
uid		optional	
	GUID genereted at the recieval		
violatesIHE	xs:boolean	optional	
	flag to mark OBX which violates IHE PCD profile restrictions		

Source

```
<xs:complexType name="Observation">
  <xs:sequence>
    <xs:element name="ObsIdentifier" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>OBX-3</xs:documentation>
        <xs:documentation>OBX-3.2 text</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="xs:string">
            <xs:attribute name="id" use="required">
              <xs:annotation>
                <xs:documentation>OBX-3.1</xs:documentation>
              </xs:annotation>
            </xs:attribute>
            <xs:attribute name="codingSystemName" type="xs:string" use="required">
              <xs:annotation>
                <xs:documentation>OBX-3.3</xs:documentation>
              </xs:annotation>
            </xs:attribute>
            <xs:attribute name="isAlternate" type="xs:boolean"/>
            <xs:attribute name="notFound" type="xs:boolean">
              <xs:annotation>
                <xs:documentation>flag to be set if the identifier term could not be found in the
 nomenclature (i.e. can not be found in IEEE/IHE Rosetta table)</xs:documentation>
              </xs:annotation>
            </xs:attribute>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
    <xs:element ref="t5:Value" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>OBX-5</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="t5:Unit">
      <xs:annotation>
        <xs:documentation>OBX-6</xs:documentation>
        <xs:documentation>OBX-6.2</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="t5:Timestamp" minOccurs="0">
      <xs:annotation>
        <xs:documentation>is extracted from parent OBR-7 or from narrowest OBX-14 (in terms of
 containment tree)</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="t5:Method" minOccurs="0">
      <xs:annotation>
        <xs:documentation>OBX-17</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="t5:Body_Site" minOccurs="0">
      <xs:annotation>
        <xs:documentation>OBX-20</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="t5:Status" minOccurs="0">
      <xs:annotation>
```

```
        <xs:documentation>OBX-11</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element minOccurs="0" ref="t5:EquipmentIdentifier"/>
    <xs:element ref="t5:Note" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="uid">
    <xs:annotation>
      <xs:documentation>GUID genereted at the recieval</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="hierarchy" type="xs:string">
    <xs:annotation>
      <xs:documentation>OBX-4</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="index" form="unqualified" type="xs:int">
    <xs:annotation>
      <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="setid" type="xs:string">
    <xs:annotation>
      <xs:documentation>OBX-1 should be unique for OBX in entire message</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="violatesIHE" type="xs:boolean" use="optional">
    <xs:annotation>
      <xs:documentation>flag to mark OBX which violates IHE PCD profile restrictions</
xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Complex Type `t5:Unit`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	extension of xs:string
Used by	Element t5:Unit

Attributes

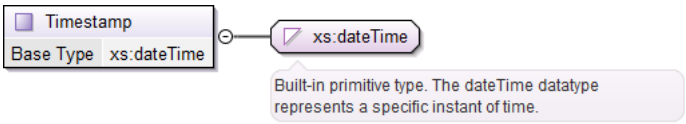
QName	Type	Use	
codingSystemName	xs:string	required	
	OBX-6.3		
id		required	
	OBX-6.1		

Source

```
<xs:complexType name="Unit">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="id" use="required">
        <xs:annotation>
          <xs:documentation>OBX-6.1</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute name="codingSystemName" type="xs:string" use="required">
        <xs:annotation>
          <xs:documentation>OBX-6.3</xs:documentation>
        </xs:annotation>
      </xs:attribute>
```

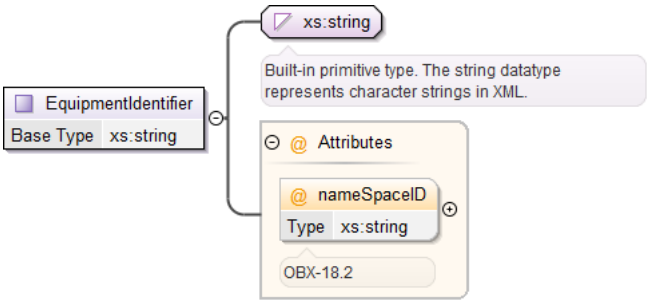
```
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type `t5:Timestamp`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	extension of xs:dateTime
Used by	Element t5:Timestamp

Source	`<xs:complexType name="Timestamp">`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:dateTime"/>`
	`  </xs:simpleContent>`
	`</xs:complexType>`

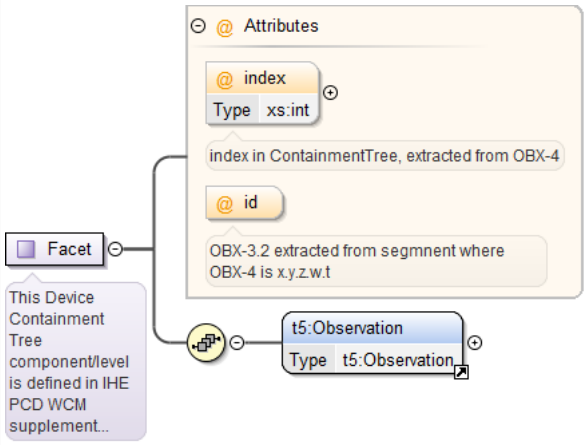
Complex Type `t5:EquipmentIdentifier`

Namespace	http://sll-mdilab.net/T5/
Diagram	
Type	extension of xs:string
Used by	Element t5:EquipmentIdentifier
Attributes	**QName** / **Type** / **Use** **nameSpaceID** / xs:string / optional `OBX-18.2`

Source	`<xs:complexType name="EquipmentIdentifier">`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:string">`
	`  <xs:attribute name="nameSpaceID" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-18.2</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:attribute>`
	`  </xs:extension>`
	`  </xs:simpleContent>`
	`</xs:complexType>`

Complex Type `t5:Facet`

Namespace	http://sll-mdilab.net/T5/
Annotations	`This Device Containment Tree component/level is defined in IHE PCD WCM supplement http://ihe.net/Technical_Framework/upload/IHE_PCD_Suppl_WCM.pdf`

Diagram	
Used by	Element t5:Facet
Model	t5:Observation
Children	t5:Observation
Attributes	**QName** / **Type** / **Use** **id** / / optional OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t **index** / xs:int / optional index in ContainmentTree, extracted from OBX-4

```
<xs:complexType name="Facet">
  <xs:annotation>
    <xs:documentation>This Device Containment Tree component/level is defined in IHE PCD WCM
 supplement http://ihe.net/Technical_Framework/upload/IHE_PCD_Suppl_WCM.pdf</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element ref="t5:Observation"/>
  </xs:sequence>
  <xs:attribute name="index" form="unqualified" type="xs:int">
    <xs:annotation>
      <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="id">
    <xs:annotation>
      <xs:documentation>OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Namespace: ""

Attribute(s)

Attribute `t5:PCD_01_Message / t5:Sending_Application / @idLocal`

Namespace	No namespace
Annotations	MSH-3.1
Properties	use: optional
Used by	Element t5:PCD_01_Message/t5:Sending_Application

```
<xs:attribute name="idLocal" use="optional">
  <xs:annotation>
    <xs:documentation>MSH-3.1</xs:documentation>
  </xs:annotation>
</xs:attribute>
```

Attribute `t5:PCD_01_Message / t5:Sending_Application / @idUniversal`

Namespace	No namespace
Annotations	MSH-3.2

Used by	Element t5:PCD_01_Message/t5:Sending_Application

Source	`<xs:attribute name="idUniversal">`
	`  <xs:annotation>`
	`  <xs:documentation>MSH-3.2</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:PCD_01_Message / t5:Sending_Application / @idUniversalType

Namespace	No namespace
Annotations	MSH-3.3
Used by	Element t5:PCD_01_Message/t5:Sending_Application

Source	`<xs:attribute name="idUniversalType">`
	`  <xs:annotation>`
	`  <xs:documentation>MSH-3.3</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:PCD_01_Message / t5:Sending_Facility / @idLocal

Namespace	No namespace
Annotations	MSH-4.1
Properties	use: optional
Used by	Element t5:PCD_01_Message/t5:Sending_Facility

Source	`<xs:attribute name="idLocal" use="optional">`
	`  <xs:annotation>`
	`  <xs:documentation>MSH-4.1</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:PCD_01_Message / t5:Sending_Facility / @idUniversal

Namespace	No namespace
Annotations	MSH-4.2
Used by	Element t5:PCD_01_Message/t5:Sending_Facility

Source	`<xs:attribute name="idUniversal">`
	`  <xs:annotation>`
	`  <xs:documentation>MSH-4.2</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:PCD_01_Message / t5:Sending_Facility / @idUniversalType

Namespace	No namespace
Annotations	MSH-4.3
Used by	Element t5:PCD_01_Message/t5:Sending_Facility

Source	`<xs:attribute name="idUniversalType">`
	`  <xs:annotation>`
	`  <xs:documentation>MSH-4.3</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Identifier / @authority

Namespace	No namespace
Annotations	PID-3.4
Properties	use: required
Used by	Element t5:Identifier

Source	`<xs:attribute name="authority" use="required">`
	`  <xs:annotation>`
	`  <xs:documentation>PID-3.4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Identifier / @typeCode

Namespace	No namespace
Annotations	PID-3.5
Used by	Element t5:Identifier

Source	`<xs:attribute name="typeCode">`
	`  <xs:annotation>`
	`  <xs:documentation>PID-3.5</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Order / t5:FillerOrderNumber / @idLocal

Namespace	No namespace
Annotations	OBR-3.1
Properties	use: optional
Used by	Element t5:Order/t5:FillerOrderNumber

Source	`<xs:attribute name="idLocal" use="optional">`
	`  <xs:annotation>`
	`  <xs:documentation>OBR-3.1</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Order / t5:FillerOrderNumber / @nameSpaceID

Namespace	No namespace
Annotations	OBR-3.2
Type	xs:string
Properties	content: simple
Used by	Element t5:Order/t5:FillerOrderNumber

Source	`<xs:attribute name="nameSpaceID" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>OBR-3.2</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Order / t5:FillerOrderNumber / @idUniversal

Namespace	No namespace
Annotations	OBR-3.3
Used by	Element t5:Order/t5:FillerOrderNumber

Source	`<xs:attribute name="idUniversal">`
	`  <xs:annotation>`
	`  <xs:documentation>OBR-3.3</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Order / t5:FillerOrderNumber / @idUniversalType

Namespace	No namespace
Annotations	MSH-3.4
Used by	Element t5:Order/t5:FillerOrderNumber

Source	`<xs:attribute name="idUniversalType">`
	`  <xs:annotation>`
	`  <xs:documentation>MSH-3.4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Order / t5:UniversalServiceID / @id

Namespace	No namespace

Annotations	OBR-4.1 id
Properties	use: optional
Used by	Element t5:Order/t5:UniversalServiceID

Source	`<xs:attribute name="id" use="optional">`
	`  <xs:annotation>`
	`  <xs:documentation>OBR-4.1 id</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Order / t5:UniversalServiceID / @codingSystemName

Namespace	No namespace
Annotations	OBR-4.3
Type	xs:string
Properties	use: optional
Used by	Element t5:Order/t5:UniversalServiceID

Source	`<xs:attribute name="codingSystemName" type="xs:string" use="optional">`
	`  <xs:annotation>`
	`  <xs:documentation>OBR-4.3</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Order / @timeStamp

Namespace	No namespace
Annotations	OBR-7
Type	xs:dateTime
Properties	content: simple
Used by	Complex Type t5:Order

Source	`<xs:attribute name="timeStamp" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>OBR-7</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Observation / t5:ObsIdentifier / @id

Namespace	No namespace
Annotations	OBX-3.1
Properties	use: required
Used by	Element t5:Observation/t5:ObsIdentifier

Source	`<xs:attribute name="id" use="required">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.1</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Observation / t5:ObsIdentifier / @codingSystemName

Namespace	No namespace
Annotations	OBX-3.3
Type	xs:string
Properties	use: required
Used by	Element t5:Observation/t5:ObsIdentifier

Source	`<xs:attribute name="codingSystemName" type="xs:string" use="required">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.3</xs:documentation>`
	`  </xs:annotation>`

```
</xs:attribute>
```

Attribute t5:Observation / t5:ObsIdentifier / @isAlternate

Namespace	No namespace
Type	xs:boolean
Properties	content: simple
Used by	Element t5:Observation/t5:ObsIdentifier
Source	`<xs:attribute name="isAlternate" type="xs:boolean"/>`

Attribute t5:Observation / t5:ObsIdentifier / @notFound

Namespace	No namespace
Annotations	flag to be set if the identifier term could not be found in the nomenclature (i.e. can not be found in IEEE/IHE Rosetta table)
Type	xs:boolean
Properties	content: simple
Used by	Element t5:Observation/t5:ObsIdentifier

Source	`<xs:attribute name="notFound" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>flag to be set if the identifier term could not be found in the nomenclature (i.e. can not be found in IEEE/IHE Rosetta table)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Value / @typeHL7v2

Namespace	No namespace
Type	xs:string
Properties	use: optional
Used by	Element t5:Value
Source	`<xs:attribute name="typeHL7v2" type="xs:string" use="optional"/>`

Attribute t5:Unit / @id

Namespace	No namespace
Annotations	OBX-6.1
Properties	use: required
Used by	Complex Type t5:Unit

Source	`<xs:attribute name="id" use="required">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-6.1</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Unit / @codingSystemName

Namespace	No namespace
Annotations	OBX-6.3
Type	xs:string
Properties	use: required
Used by	Complex Type t5:Unit

Source	`<xs:attribute name="codingSystemName" type="xs:string" use="required">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-6.3</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:EquipmentIdentifier / @nameSpaceID

Namespace	No namespace
Annotations	OBX-18.2
Type	xs:string
Properties	content: simple
Used by	Complex Type t5:EquipmentIdentifier

Source	`<xs:attribute name="nameSpaceID" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-18.2</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Observation / @uid

Namespace	No namespace
Annotations	GUID genereted at the recieval
Used by	Complex Type t5:Observation

Source	`<xs:attribute name="uid">`
	`  <xs:annotation>`
	`  <xs:documentation>GUID genereted at the recieval</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Observation / @hierarchy

Namespace	No namespace
Annotations	OBX-4
Type	xs:string
Properties	content: simple
Used by	Complex Type t5:Observation

Source	`<xs:attribute name="hierarchy" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Observation / @index

Namespace	No namespace
Annotations	index in ContainmentTree, extracted from OBX-4
Type	xs:int
Properties	content: simple
Used by	Complex Type t5:Observation

Source	`<xs:attribute name="index" form="unqualified" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Observation / @setid

Namespace	No namespace
Annotations	OBX-1 should be unique for OBX in entire message
Type	xs:string
Properties	content: simple
Used by	Complex Type t5:Observation
Source	`<xs:attribute name="setid" type="xs:string">` `  <xs:annotation>`

```
    <xs:documentation>OBX-1 should be unique for OBX in entire message</xs:documentation>
  </xs:annotation>
</xs:attribute>
```

Attribute t5:Observation / @violatesIHE

Namespace	No namespace
Annotations	flag to mark OBX which violates IHE PCD profile restrictions
Type	xs:boolean
Properties	use: optional
Used by	Complex Type t5:Observation

Source	`<xs:attribute name="violatesIHE" type="xs:boolean" use="optional">`
	`  <xs:annotation>`
	`  <xs:documentation>flag to mark OBX which violates IHE PCD profile restrictions</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Metric / t5:Facet / @index

Namespace	No namespace
Annotations	index in ContainmentTree, extracted from OBX-4
Type	xs:int
Properties	content: simple
Used by	Element t5:Metric/t5:Facet

Source	`<xs:attribute name="index" form="unqualified" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Metric / t5:Facet / @id

Namespace	No namespace
Annotations	OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t
Used by	Element t5:Metric/t5:Facet

Source	`<xs:attribute name="id">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Metric / @index

Namespace	No namespace
Annotations	index in ContainmentTree, extracted from OBX-4
Type	xs:int
Properties	content: simple
Used by	Complex Type t5:Metric

Source	`<xs:attribute name="index" form="unqualified" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute t5:Metric / @id

Namespace	No namespace
Annotations	OBX-3.2 extracted from segment where OBX-4 is x.y.z.w
Used by	Complex Type t5:Metric

Source	`<xs:attribute name="id">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.2 extracted from segment where OBX-4 is x.y.z.w</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:CHAN / @index`

Namespace	No namespace
Annotations	`index in ContainmentTree, extracted from OBX-4`
Type	xs:int
Properties	content: `simple`
Used by	Complex Type t5:CHAN

Source	`<xs:attribute name="index" form="unqualified" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:CHAN / @id`

Namespace	No namespace
Annotations	`OBX-3.2 extracted from segment where OBX-4 is x.y.z.0`
Used by	Complex Type t5:CHAN

Source	`<xs:attribute name="id">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.2 extracted from segment where OBX-4 is x.y.z.0</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:VMD / @index`

Namespace	No namespace
Annotations	`index in ContainmentTree, extarcted from OBX-4`
Type	xs:int
Properties	content: `simple`
Used by	Complex Type t5:VMD

Source	`<xs:attribute name="index" form="unqualified" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>index in ContainmentTree, extarcted from OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:VMD / @id`

Namespace	No namespace
Annotations	`OBX-3.2 extracted from segment where OBX-4 is x.y.0.0`
Used by	Complex Type t5:VMD

Source	`<xs:attribute name="id">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.2 extracted from segment where OBX-4 is x.y.0.0</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:MDS / @index`

Namespace	No namespace
Annotations	`index in ContainmentTree, extarcted from OBX-4`
Type	xs:int
Properties	content: `simple`
Used by	Complex Type t5:MDS

Source	`<xs:attribute name="index" form="unqualified" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>index in ContainmentTree, extarcted from OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:MDS / @id`

Namespace	No namespace
Annotations	`OBX-3.2 extracted from segment where OBX-4 is x.0.0.0`
Used by	Complex Type t5:MDS

Source	`<xs:attribute name="id">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.2 extracted from segment where OBX-4 is x.0.0.0</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:PCD_01_Message / @timeStamp`

Namespace	No namespace
Annotations	`MSH-7`
Type	xs:dateTime
Properties	content: `simple`
Used by	Complex Type t5:PCD_01_Message

Source	`<xs:attribute name="timeStamp" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>MSH-7</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:PCD_01_Message / @id`

Namespace	No namespace
Annotations	`MSH-10`
Type	xs:string
Properties	content: `simple`
Used by	Complex Type t5:PCD_01_Message

Source	`<xs:attribute name="id" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>MSH-10</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:Facet / @index`

Namespace	No namespace
Annotations	`index in ContainmentTree, extracted from OBX-4`
Type	xs:int
Properties	content: `simple`
Used by	Complex Type t5:Facet

Source	`<xs:attribute name="index" form="unqualified" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>index in ContainmentTree, extracted from OBX-4</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:Facet / @id`

Namespace	No namespace
Annotations	`OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t`
Used by	Complex Type t5:Facet

Source	`<xs:attribute name="id">`
	`  <xs:annotation>`
	`  <xs:documentation>OBX-3.2 extracted from segmnent where OBX-4 is x.y.z.w.t</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute `t5:Result / @unit`

Namespace	No namespace
Used by	Element t5:Result
Source	`<xs:attribute name="unit"/>`