



WMO-No. 47 XML Schema **pub47.xsd**

schema location: <http://www.bom.gov.au/jcomm/vos/pub47/pub47.xsd>

Date of issue: 1 June 2006

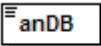
Elements

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[anHD](#)
[anHL](#)
[anmC](#)
[anmM](#)
[anSC](#)
[awsC](#)
[awsM](#)
[awsP](#)
[bMS](#)
[brdg](#)
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[brmC](#)
[brmH](#)
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[call](#)
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Complex types

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[tscaleType](#)
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element **anDB**

diagram	 <p>Dimension in metres and tenths</p>
type	xs:string
used by	complexType anemometerType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="anDB" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></pre>


element anDC

diagram	
type	xs:string
used by	complexType anemometerType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="anDC" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></pre>

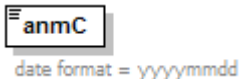
element anHD

diagram	
type	xs:string
used by	complexType anemometerType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="anHD" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></pre>

element anHL

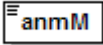
diagram	
type	xs:string
used by	complexType anemometerType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="anHL" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></pre>

element anmC

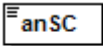
diagram	
type	xs:string
used by	complexType anemometerType

annotation	documentation date format = yyyyymmdd
source	<pre><xs:element name="anmC" type="xs:string"> <xs:annotation> <xs:documentation>date format = yyyyymmdd</xs:documentation> </xs:annotation> </xs:element></pre>

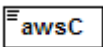
element **anmM**

diagram	
type	xs:string
used by	complexType anemometerType
source	<pre><xs:element name="anmM" type="xs:string"/></pre>

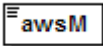
element **anSC**

diagram	 <p>From WMO-No. 47 Code Table 0104</p>
type	xs:string
used by	complexType anemometerType
annotation	documentation From WMO-No. 47 Code Table 0104
source	<pre><xs:element name="anSC" type="xs:string"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0104</xs:documentation> </xs:annotation> </xs:element></pre>

element **awsC**

diagram	
type	xs:string
used by	complexType automatedType
source	<pre><xs:element name="awsC" type="xs:string"/></pre>

element **awsM**

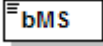
diagram	
type	xs:string
used by	complexType automatedType
source	<pre><xs:element name="awsM" type="xs:string"/></pre>

element **awsP**

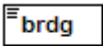
diagram	
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type	xs:string
used by	complexType automatedType
source	<code><xs:element name="awsP" type="xs:string"/></code>

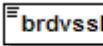
element **bMS**

diagram	
type	xs:string
used by	complexType barometerType
source	<code><xs:element name="bMS" type="xs:string"/></code>

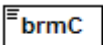
element **brdg**

diagram	 Dimension in metres and tenths
type	xs:string
used by	complexType dimensionsType
annotation	documentation Dimension in metres and tenths
source	<code><xs:element name="brdg" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></code>

element **brdvssID**


diagram	 Dimension in metres and tenths
type	xs:string
used by	complexType dimensionsType
annotation	documentation Dimension in metres and tenths
source	<code><xs:element name="brdvssID" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></code>

element **brmC**

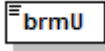
diagram	 date format = yyyyymmdd
type	xs:string
used by	complexType barometerType
annotation	documentation date format = yyyyymmdd

source	<pre><xs:element name="brmC" type="xs:string"> <xs:annotation> <xs:documentation>date format = yyyyymmdd</xs:documentation> </xs:annotation> </xs:element></pre>
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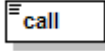
element brmH

diagram	
type	xs:string
used by	complexType barometerType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="brmH" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths</xs:documentation> </xs:annotation> </xs:element></pre>


element brmU

diagram	
type	xs:string
used by	complexType barometerType
source	<pre><xs:element name="brmU" type="xs:string"/></pre>


element call

diagram	
type	xs:string
used by	complexType pub47recordType
source	<pre><xs:element name="call" type="xs:string"/></pre>


element chgd

diagram	
type	xs:string
used by	complexType pub47recordType
annotation	documentation date format = yyyyymmdd
source	<pre><xs:element name="chgd" type="xs:string"> <xs:annotation> <xs:documentation>date format = yyyyymmdd</xs:documentation> </xs:annotation> </xs:element></pre>


element chtvssID

diagram	
type	xs:string
used by	complexType dimensionsType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="chtvssID" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></pre>

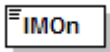
element drfvssID

diagram	
type	xs:string
used by	complexType dimensionsType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="drfvssID" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></pre>


element frbvssID

diagram	
type	xs:string
used by	complexType dimensionsType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="frbvssID" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></pre>


element IMOn

diagram	
type	xs:string
used by	complexType pub47recordType
source	<pre><xs:element name="IMOn" type="xs:string"/></pre>

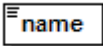
element lenvssID

diagram	
type	xs:string
used by	complexType dimensionsType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="lenvssID" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths </xs:documentation> </xs:annotation> </xs:element></pre>

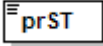
element logE

diagram	
type	xs:string
used by	complexType met_prgmType
source	<pre><xs:element name="logE" type="xs:string"/></pre>

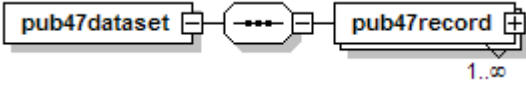
element name

diagram	
type	xs:string
used by	complexType pub47recordType
source	<pre><xs:element name="name" type="xs:string"/></pre>

element prST

diagram	
type	xs:string
used by	complexType met_prgmType
source	<pre><xs:element name="prST" type="xs:string"/></pre>

element pub47dataset

diagram							
children	pub47record						
attributes	Name country	Type xs:string	Use required	Default	Fixed	Annotation docu ment ation	
						From WM O- No. 47	


	version prepared	xs:byte xs:string	required required	Code Table 1801	documentation	date format = yyyy mmd d
source	<pre> <xs:element name="pub47dataset"> <xs:complexType> <xs:sequence> <xs:element name="pub47record" type="pub47recordType" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="country" type="xs:string" use="required"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1801</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="version" type="xs:byte" use="required"/> <xs:attribute name="prepared" type="xs:string" use="required"> <xs:annotation> <xs:documentation>date format = yyyyymmdd</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </xs:element> </pre>					

element **pub47dataset/pub47record**

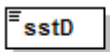
diagram	
type	pub47recordType

children	name reg call IMon vssl digital image dimensions operations vos service met prgm instrumentation chgd					
attributes	Name nmsID	Type xs:string	Use optional	Default	Fixed	Annotation
source	<xs:element name="pub47record" type="pub47recordType" maxOccurs="unbounded"/>					

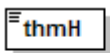
element reg

diagram	 <p>From WMO-No. 47 Code Table 1801</p>					
type	xs:string					
used by	complexType pub47recordType					
annotation	documentation From WMO-No. 47 Code Table 1801					
source	<pre><xs:element name="reg" type="xs:string"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1801</xs:documentation> </xs:annotation> </xs:element></pre>					

element sstD

diagram	 <p>Dimension in metres and tenths</p>					
type	xs:string					
used by	complexType sea_tempType					
annotation	documentation Dimension in metres and tenths					
source	<pre><xs:element name="sstD" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths</xs:documentation> </xs:annotation> </xs:element></pre>					

element thmH


diagram	 <p>Dimension in metres and tenths</p>					
type	xs:string					
used by	complexType dry_bulbType					
annotation	documentation Dimension in metres and tenths					
source	<pre><xs:element name="thmH" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths</xs:documentation> </xs:annotation> </xs:element></pre>					

element thMS


diagram						
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type	xs:string
used by	complexType dry_bulbType
source	<code><xs:element name="thMS" type="xs:string"/></code>

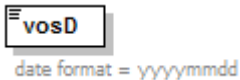
element vclmD

diagram	
type	xs:string
used by	complexType vos_serviceType
annotation	documentation date format = yyyyymmdd
source	<pre> <xs:element name="vclmD" type="xs:string"> <xs:annotation> <xs:documentation>date format = yyyyymmdd</xs:documentation> </xs:annotation> </xs:element> </pre>

element vclmR

diagram	
type	xs:string
used by	complexType vos_serviceType
annotation	documentation date format = yyyyymmdd
source	<pre> <xs:element name="vclmR" type="xs:string"> <xs:annotation> <xs:documentation>date format = yyyyymmdd</xs:documentation> </xs:annotation> </xs:element> </pre>

element vosD


diagram	
type	xs:string
used by	complexType vos_serviceType
annotation	documentation date format = yyyyymmdd
source	<pre> <xs:element name="vosD" type="xs:string"> <xs:annotation> <xs:documentation>date format = yyyyymmdd</xs:documentation> </xs:annotation> </xs:element> </pre>

element vosR


diagram	
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type	xs:string
used by	complexType vos_serviceType
annotation	documentation date format = yyyyymmdd
source	<pre><xs:element name="vosR" type="xs:string"> <xs:annotation> <xs:documentation>date format = yyyyymmdd</xs:documentation> </xs:annotation> </xs:element></pre>

element vssIP

diagram	 <p>From WMO-No. 47 Code Table 2203</p>
type	xs:string
used by	complexType digital_imageType
annotation	documentation From WMO-No. 47 Code Table 2203
source	<pre><xs:element name="vssIP" type="xs:string"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2203</xs:documentation> </xs:annotation> </xs:element></pre>

element wwH

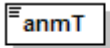
diagram	 <p>Dimension in metres and tenths</p>
type	xs:string
used by	complexType met_prgmType
annotation	documentation Dimension in metres and tenths
source	<pre><xs:element name="wwH" type="xs:string"> <xs:annotation> <xs:documentation>Dimension in metres and tenths</xs:documentation> </xs:annotation> </xs:element></pre>

complexType **anemometerType**


<p>diagram</p>	<p>The diagram illustrates the structure of the <code>anemometerType</code> complex type. It consists of a sequence of elements:</p> <ul style="list-style-type: none"> <code>anemometerType</code> (the root element) A sequence container (represented by a dashed box) A list of elements: <ul style="list-style-type: none"> <code>anmT</code>: From WMO-No. 47 Code Table 0102 <code>anmM</code> <code>anmL</code>: From WMO-No. 47 Code Table 0101 <code>anDB</code>: Dimension in metres and tenths <code>anDC</code>: Dimension in metres and tenths <code>anSC</code>: From WMO-No. 47 Code Table 0104 <code>anHL</code>: Dimension in metres and tenths <code>anHD</code>: Dimension in metres and tenths <code>anmC</code>: date format = <code>yyyymmdd</code> 						
<p>children</p>	<p>anmT anmM anmL anDB anDC anSC anHL anHD anmC</p>						
<p>used by</p>	<p>element instrumentationType/anemometer</p>						
<p>attributes</p>	<p>Name Id</p>	<p>Type xs:positiveInteger</p>	<p>Use required</p>	<p>Default</p>	<p>Fixed</p>	<p>Annotation documentation Id = 1 for primary instrument, Id = 2 for secondary instrument</p>	
<p>source</p>	<pre><xs:complexType name="anemometerType"> <xs:sequence> <xs:element name="anmT" type="anmTType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0102</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="anmM"/> <xs:element name="anmL" type="anmLType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0101</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>						

	<pre> <xs:element ref="anDB"/> <xs:element ref="anDC"/> <xs:element ref="anSC"/> <xs:element ref="anHL"/> <xs:element ref="anHD"/> <xs:element ref="anmC"/> </xs:sequence> <xs:attribute name="ld" type="xs:positiveInteger" use="required"> <xs:annotation> <xs:documentation>ld = 1 for primary instrument, ld = 2 for secondary instrument</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>
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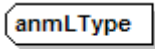
element **anemometerType/anmT**

diagram	 <p>From WMO-No. 47 Code Table 0102</p>												
type	anmTType												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>footnote</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	footnote	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
footnote	xs:string	optional											
annotation	documentation From WMO-No. 47 Code Table 0102												
source	<pre> <xs:element name="anmT" type="anmTType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0102</xs:documentation> </xs:annotation> </xs:element> </pre>												

element **anemometerType/anmL**

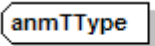
diagram	 <p>From WMO-No. 47 Code Table 0101</p>												
type	anmLType												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>footnote</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	footnote	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
footnote	xs:string	optional											
annotation	documentation From WMO-No. 47 Code Table 0101												
source	<pre> <xs:element name="anmL" type="anmLType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0101</xs:documentation> </xs:annotation> </xs:element> </pre>												

complexType **anmLType**

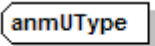
diagram	 <p>From WMO-No. 47 Code Table 0101</p>												
type	extension of xs:string												
used by	element anemometerType/anmL												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>footnote</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	footnote	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
footnote	xs:string	optional											
annotation	documentation From WMO-No. 47 Code Table 0101												
source	<pre> <xs:complexType name="anmLType"> <xs:annotation> </pre>												

	<pre> <xs:documentation>From WMO-No. 47 Code Table 0101</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>
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complexType **anmTType**

diagram	 <p>From WMO-No. 47 Code Table 0102</p>												
type	extension of xs:string												
used by	element anemometerType/anmT												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>footnote</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	footnote	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
footnote	xs:string	optional											
annotation	documentation From WMO-No. 47 Code Table 0102												
source	<pre> <xs:complexType name="anmTType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0102</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>												

complexType **anmUType**

diagram	 <p>From WMO-No. 47 Code Table 0103</p>												
type	extension of xs:string												
used by	element met_prgmType/anmU												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>footnote</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	footnote	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
footnote	xs:string	optional											
annotation	documentation From WMO-No. 47 Code Table 0103												
source	<pre> <xs:complexType name="anmUType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0103</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>												

complexType **atmType**

diagram	 <p>From WMO-No. 47 Code Table 0105</p>
type	extension of xs:string

used by	element met_prgmType/atm					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 0105				
source	<pre><xs:complexType name="atmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0105</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

complexType **automatedType**

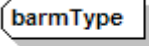
diagram	<pre> graph LR automatedType[automatedType] --- awsM[awsM] automatedType --- awsP[awsP] automatedType --- awsC[awsC] </pre>					
children	awsM awsP awsC					
used by	element instrumentationType/automated					
attributes	Name Id	Type xs:positiveInteger	Use required	Default	Fixed	Annotation document ation Id = 1 for primary instru ment
source	<pre><xs:complexType name="automatedType"> <xs:sequence> <xs:element ref="awsM"/> <xs:element ref="awsP"/> <xs:element ref="awsC"/> </xs:sequence> <xs:attribute name="Id" type="xs:positiveInteger" use="required"> <xs:annotation> <xs:documentation>Id = 1 for primary instrument</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre>					

complexType **bargType**

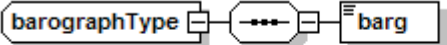
diagram	<pre> graph LR bargType[bargType] </pre> <p>From WMO-No. 47 Code Table 0201</p>					
type	extension of xs:string					
used by	element barographType/barg					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 0201				
source	<pre><xs:complexType name="bargType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0201</xs:documentation> </xs:annotation> <xs:simpleContent></pre>					

	<pre> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>
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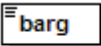
complexType **barmType**

diagram	 <p>From WMO-No. 47 Code Table 0202</p>					
type	extension of xs:string					
used by	element	barometerType/barm				
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0202				
source	<pre> <xs:complexType name="barmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0202</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>					

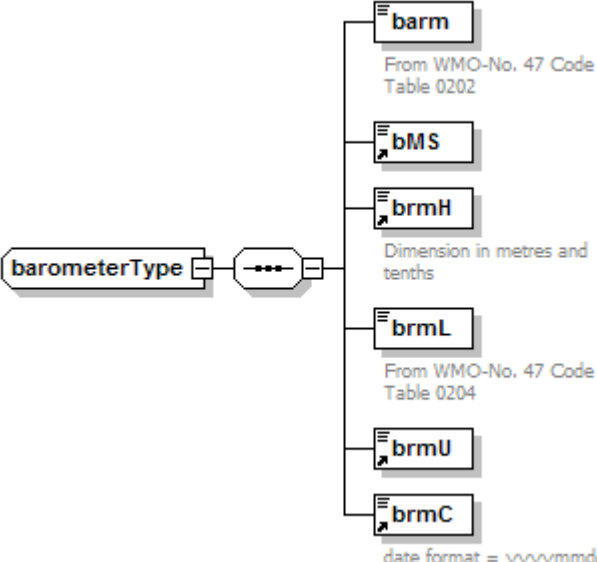
complexType **barographType**

diagram	 <p>From WMO-No. 47 Code Table 0201</p>					
children	barg					
used by	element	instrumentationType/barograph				
attributes	Name	Type	Use	Default	Fixed	Annotation
	Id	xs:positiveInteger	required			documentation Id = 1 for primary instrument, Id = 2 for secondary instrument
source	<pre> <xs:complexType name="barographType"> <xs:sequence> <xs:element name="barg" type="bargType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0201</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="Id" type="xs:positiveInteger" use="required"> <xs:annotation> <xs:documentation>Id = 1 for primary instrument, Id = 2 for secondary instrument</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>					

element **barographType/barg**

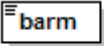
diagram	 <p>From WMO-No. 47 Code Table 0201</p>					
type	bargType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0201				
source	<pre><xs:element name="barg" type="bargType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0201</xs:documentation> </xs:annotation> </xs:element></pre>					

complexType **barometerType**

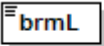
diagram						
children	barm bMS brmH brmL brmU brmC					
used by	element	instrumentationType/barometer				
attributes	Name	Type	Use	Default	Fixed	Annotation
	Id	xs:positiveInteger	required			Id = 1 for primary instrument, Id = 2 for secondary instrument
source	<pre><xs:complexType name="barometerType"> <xs:sequence> <xs:element name="barm" type="barmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0202</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="bMS"/> </xs:sequence> </xs:complexType></pre>					

	<pre> <xs:element ref="brmH"/> <xs:element name="brmL" type="brmLType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0204</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="brmU"/> <xs:element ref="brmC"/> </xs:sequence> <xs:attribute name="ld" type="xs:positiveInteger" use="required"> <xs:annotation> <xs:documentation>ld = 1 for primary instrument, ld = 2 for secondary instrument</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>
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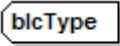
element **barometerType/barm**

diagram	 <p>From WMO-No. 47 Code Table 0202</p>					
type	barmType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0202				
source	<pre> <xs:element name="barm" type="barmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0202</xs:documentation> </xs:annotation> </xs:element> </pre>					

element **barometerType/brmL**

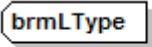
diagram	 <p>From WMO-No. 47 Code Table 0204</p>					
type	brmLType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0204				
source	<pre> <xs:element name="brmL" type="brmLType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0204</xs:documentation> </xs:annotation> </xs:element> </pre>					

complexType **blcType**

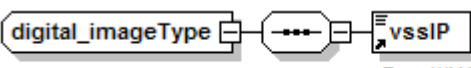
diagram	 <p>From WMO-No. 47 Code Table 0203</p>					
type	extension of xs:string					
used by	element	met_prgmType/blc				
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0203				

source	<pre> <xs:complexType name="blcType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0203</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>
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complexType **brmLType**

diagram	 <p>From WMO-No. 47 Code Table 0204</p>					
type	extension of xs:string					
used by	element	barometerType/brmL				
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0204				
source	<pre> <xs:complexType name="brmLType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0204</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>					

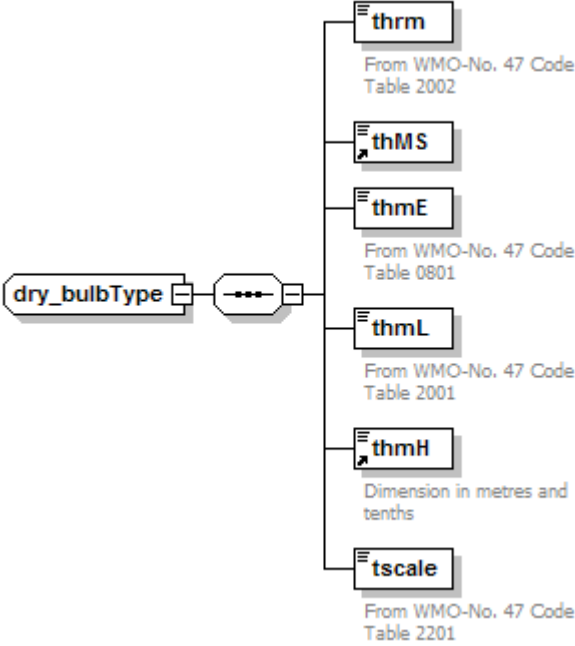
complexType **digital_imageType**

diagram	 <p>From WMO-No. 47 Code Table 2203</p>					
children	vssIP					
used by	element	pub47recordType/digital_image				
source	<pre> <xs:complexType name="digital_imageType"> <xs:sequence> <xs:element ref="vssIP"/> </xs:sequence> </xs:complexType> </pre>					

complexType **dimensionsType**


<p>diagram</p>	
<p>children</p>	<p>lenvssID brdvssID frbvssID drfvssID chtvssID brdg</p>
<p>used by</p>	<p>element pub47recordType/dimensions</p>
<p>source</p>	<pre><xs:complexType name="dimensionsType"> <xs:sequence> <xs:element ref="lenvssID"/> <xs:element ref="brdvssID"/> <xs:element ref="frbvssID"/> <xs:element ref="drfvssID"/> <xs:element ref="chtvssID"/> <xs:element ref="brdg"/> </xs:sequence> </xs:complexType></pre>

complexType **dry_bulbType**

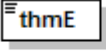
<p>diagram</p>						
<p>children</p>	<p>thrm thMS thmE thmL thmH tscale</p>					
<p>used by</p>	<p>element instrumentationType/dry_bulb</p>					
<p>attributes</p>	<p>Name Id</p>	<p>Type xs:positiveInteger</p>	<p>Use required</p>	<p>Default</p>	<p>Fixed</p>	<p>Annotation documentation Id = 1 for primary instrument, Id = 2 for secondary instrument</p>
<p>source</p>	<pre> <xs:complexType name="dry_bulbType"> <xs:sequence> <xs:element name="thrm" type="thrmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2002</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="thMS"/> <xs:element name="thmE" type="thmEType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0801</xs:documentation> </xs:annotation> </xs:element> <xs:element name="thmL" type="thmLType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2001</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="thmH"/> <xs:element name="tscale" type="tscaleType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2201</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="Id" type="xs:positiveInteger" use="required"/> </pre>					

	<pre> <xs:annotation> <xs:documentation>Id = 1 for primary instrument, Id = 2 for secondary instrument</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>
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element **dry_bulbType/thrm**

diagram	 <p>From WMO-No. 47 Code Table 2002</p>					
type	thrmType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 2002				
source	<pre> <xs:element name="thrm" type="thrmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2002</xs:documentation> </xs:annotation> </xs:element> </pre>					


element **dry_bulbType/thmE**

diagram	 <p>From WMO-No. 47 Code Table 0801</p>					
type	thmEType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0801				
source	<pre> <xs:element name="thmE" type="thmEType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0801</xs:documentation> </xs:annotation> </xs:element> </pre>					

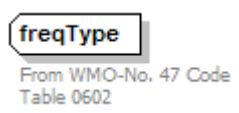
element **dry_bulbType/thmL**

diagram	 <p>From WMO-No. 47 Code Table 2001</p>					
type	thmLType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 2001				
source	<pre> <xs:element name="thmL" type="thmLType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2001</xs:documentation> </xs:annotation> </xs:element> </pre>					


element **dry_bulbType/tscale**

diagram						
type	tscaleType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 2201				
source	<pre><xs:element name="tscale" type="tscaleType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2201</xs:documentation> </xs:annotation> </xs:element></pre>					

complexType **freqType**

diagram						
type	extension of xs:string					
used by	element	met_prqmType/freq				
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0602				
source	<pre><xs:complexType name="freqType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0602</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

complexType **hgrEType**

diagram						
type	extension of xs:string					
used by	element	hygrometerType/hgrE				
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 0801				
source	<pre><xs:complexType name="hgrEType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0801</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

	</xs:complexType>
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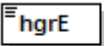
complexType hygrometerType

diagram						
children	hygr hgrE					
used by	element instrumentationType/hygrometer					
attributes	Name	Type	Use	Default	Fixed	Annotation
	Id	xs:positiveInteger	required			Id = 1 for primary instrument, Id = 2 for secondary instrument
source	<pre> <xs:complexType name="hygrometerType"> <xs:sequence> <xs:element name="hygr" type="hygrType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0802</xs:documentation> </xs:annotation> </xs:element> <xs:element name="hgrE" type="hgrEType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0801</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="Id" type="xs:positiveInteger" use="required"> <xs:annotation> <xs:documentation>Id = 1 for primary instrument, Id = 2 for secondary instrument</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>					

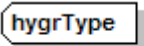
element hygrometerType/hygr

diagram						
type	hygrType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation From WMO-No. 47 Code Table 0802					
source	<pre> <xs:element name="hygr" type="hygrType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0802</xs:documentation> </xs:annotation> </xs:element> </pre>					

element **hygrometerType/hgrE**

diagram	 <p>From WMO-No. 47 Code Table 0801</p>					
type	hgrEType					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 0801				
source	<pre><xs:element name="hgrE" type="hgrEType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0801</xs:documentation> </xs:annotation> </xs:element></pre>					

complexType **hygrType**

diagram	 <p>From WMO-No. 47 Code Table 0802</p>					
type	extension of xs:string					
used by	element	hygrometerType/hygr				
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 0802				
source	<pre><xs:complexType name="hygrType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0802</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

complexType instrumentationType

<p>diagram</p>	
<p>children</p>	<p>automated barometer dry_bulb hygrometer sea_temp barograph anemometer other</p>
<p>used by</p>	<p>element pub47recordType/instrumentation</p>
<p>source</p>	<pre><xs:complexType name="instrumentationType"> <xs:sequence> <xs:element name="automated" type="automatedType"/> <xs:element name="barometer" type="barometerType" minOccurs="2" maxOccurs="2"/> <xs:element name="dry_bulb" type="dry_bulbType" minOccurs="2" maxOccurs="2"/> <xs:element name="hygrometer" type="hygrometerType" minOccurs="2" maxOccurs="2"/> <xs:element name="sea_temp" type="sea_tempType" minOccurs="2" maxOccurs="2"/> <xs:element name="barograph" type="barographType" minOccurs="2" maxOccurs="2"/> <xs:element name="anemometer" type="anemometerType" minOccurs="2" maxOccurs="2"/> <xs:element name="other" type="otherType"/> </xs:sequence> </xs:complexType></pre>

element instrumentationType/automated

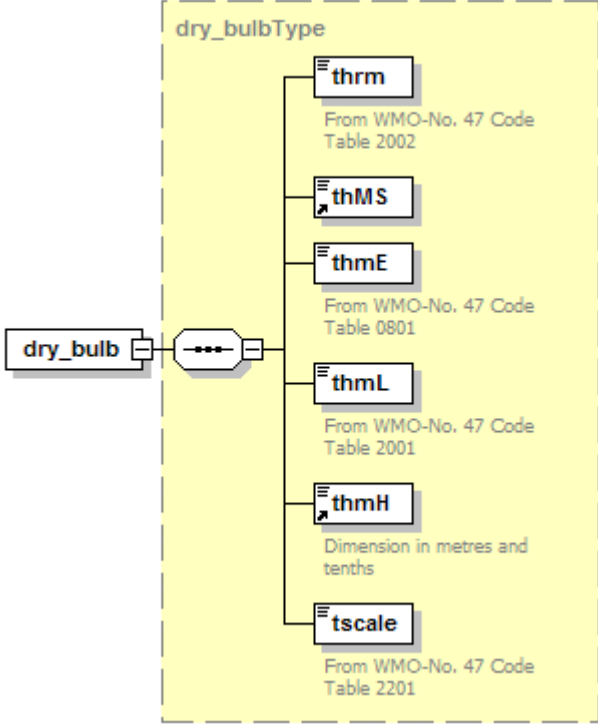
<p>diagram</p>													
<p>type</p>	<p>automatedType</p>												
<p>children</p>	<p>awsM awsP awsC</p>												
<p>attributes</p>	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:positiveInteger</td> <td>required</td> <td></td> <td></td> <td>Id = 1 for primary</td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	Id	xs:positiveInteger	required			Id = 1 for primary
Name	Type	Use	Default	Fixed	Annotation								
Id	xs:positiveInteger	required			Id = 1 for primary								

		instrument
source	<code><xs:element name="automated" type="automatedType"/></code>	

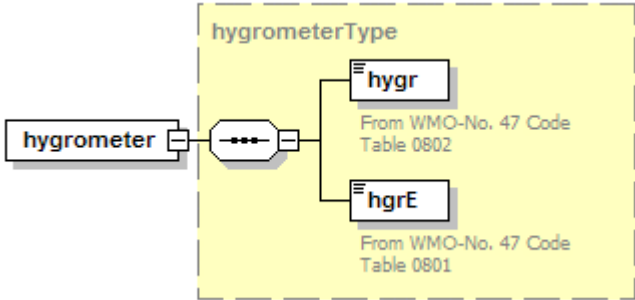
element **instrumentationType/barometer**

diagram						
type	barometerType					
children	barm bMS brmH brmL brmU brmC					
attributes	Name	Type	Use	Default	Fixed	Annotation
	id	xs:positiveInteger	required			document annotation id = 1 for primary instrument, id = 2 for secondary instrument
source	<code><xs:element name="barometer" type="barometerType" minOccurs="2" maxOccurs="2"/></code>					

element **instrumentationType/dry_bulb**

<p>diagram</p>													
<p>type</p>	<p>dry_bulbType</p>												
<p>children</p>	<p>thrm thMS thmE thmL thmH tscale</p>												
<p>attributes</p>	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Id</td> <td>xs:positiveInteger</td> <td>required</td> <td></td> <td></td> <td>Id = 1 for primary instrument, Id = 2 for secondary instrument</td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	Id	xs:positiveInteger	required			Id = 1 for primary instrument, Id = 2 for secondary instrument
Name	Type	Use	Default	Fixed	Annotation								
Id	xs:positiveInteger	required			Id = 1 for primary instrument, Id = 2 for secondary instrument								
<p>source</p>	<p><xs:element name="dry_bulb" type="dry_bulbType" minOccurs="2" maxOccurs="2"/></p>												

element **instrumentationType/hygrometer**

<p>diagram</p>	
<p>type</p>	<p>hygrometerType</p>
<p>children</p>	<p>hygr hgrE</p>

attributes	Name Id	Type xs:positiveInteger	Use required	Default	Fixed	Annotation document ation Id = 1 for primary instrument, Id = 2 for secondary instrument
source	<xs:element name="hygrometer" type="hygrometerType" minOccurs="2" maxOccurs="2"/>					

element instrumentationType/sea_temp

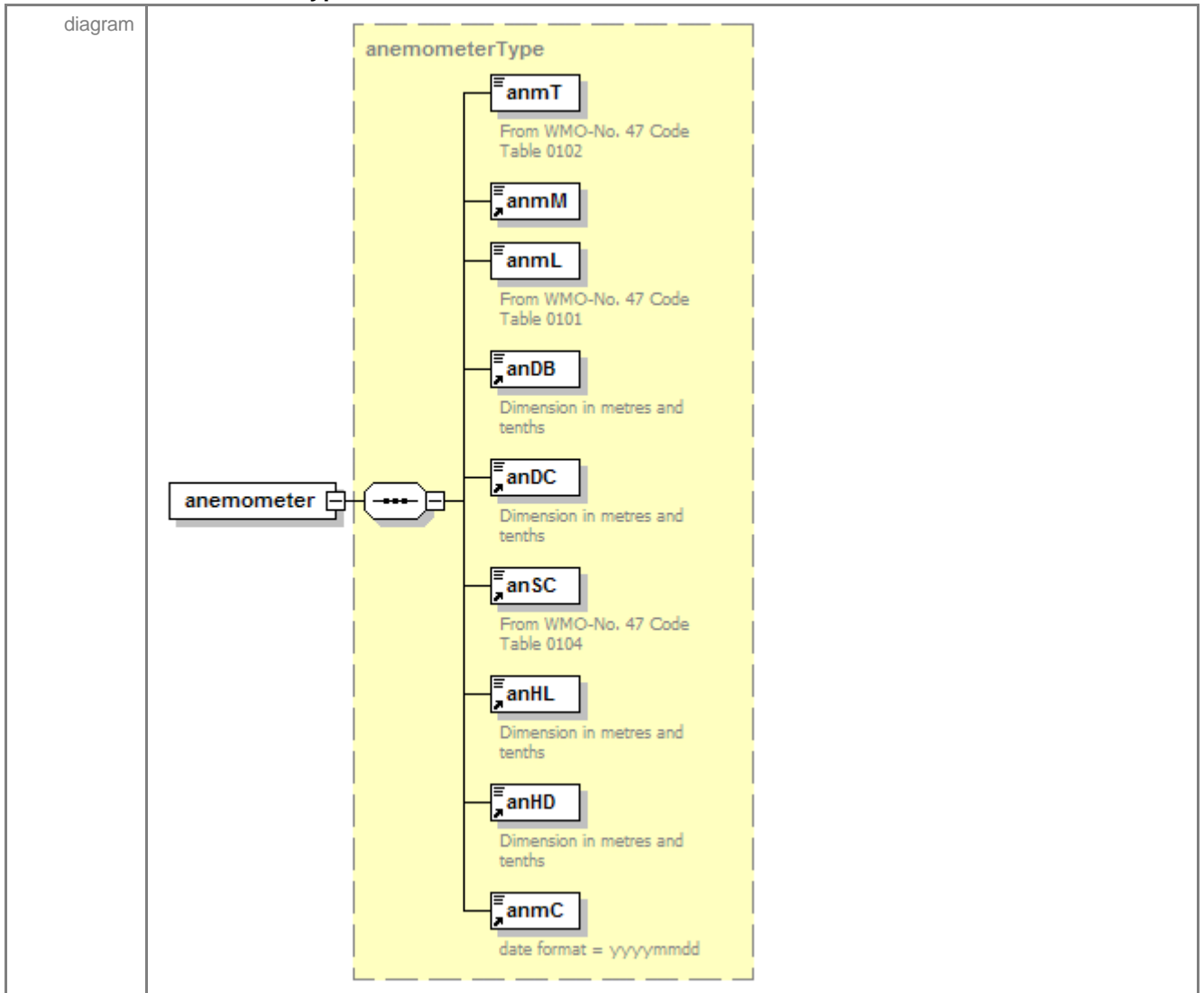
diagram						
type	sea_tempType					
children	sstM sstD					
attributes	Name Id	Type xs:positiveInteger	Use required	Default	Fixed	Annotation document ation Id = 1 for primary instrument, Id = 2 for secondary instrument
source	<xs:element name="sea_temp" type="sea_tempType" minOccurs="2" maxOccurs="2"/>					

element instrumentationType/barograph

diagram						
type	barographType					
children	barg					
attributes	Name Id	Type xs:positiveInteger	Use required	Default	Fixed	Annotation document ation Id = 1 for primary instrument, Id = 2

		for secondary instrument
source	<code><xs:element name="barograph" type="barographType" minOccurs="2" maxOccurs="2"/></code>	

element instrumentationType/anemometer



type	anemometerType
------	--------------------------------

children	anmT anmM anmL anDB anDC anSC anHL anHD anmC
----------	--

attributes	Name	Type	Use	Default	Fixed	Annotation
	Id	xs:positiveInteger	required			Id = 1 for primary instrument, Id = 2 for secondary instrument

source	<code><xs:element name="anemometer" type="anemometerType" minOccurs="2" maxOccurs="2"/></code>
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element **instrumentationType/other**

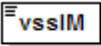
diagram	
type	otherType
children	othl
source	<code><xs:element name="other" type="otherType"/></code>

complexType **met_prgmType**

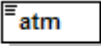
diagram	
children	vssIM atm freq prST logE wwH anmU blc
used by	element pub47recordType/met_prgm
source	<pre> <xs:complexType name="met_prgmType"> <xs:sequence> <xs:element name="vssIM" type="vssIMType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2202</xs:documentation> </xs:annotation> </xs:element> <xs:element name="atm" type="atmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0105</xs:documentation> </xs:annotation> </xs:element> <xs:element name="freq" type="freqType"> </pre>

	<pre> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0602</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="prST"/> <xs:element ref="logE"/> <xs:element ref="wwH"/> <xs:element name="anmU" type="anmUType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0103</xs:documentation> </xs:annotation> </xs:element> <xs:element name="blc" type="blcType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0203</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>
--	---

element met_prgmType/vssIM

diagram	 <p>From WMO-No. 47 Code Table 2202</p>					
type	vssIMType					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 2202				
source	<pre> <xs:element name="vssIM" type="vssIMType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2202</xs:documentation> </xs:annotation> </xs:element> </pre>					

element met_prgmType/atm

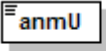
diagram	 <p>From WMO-No. 47 Code Table 0105</p>					
type	atmType					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 0105				
source	<pre> <xs:element name="atm" type="atmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0105</xs:documentation> </xs:annotation> </xs:element> </pre>					

element met_prgmType/freq

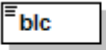
diagram	 <p>From WMO-No. 47 Code Table 0602</p>					
type	freqType					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation

annotation	documentation From WMO-No. 47 Code Table 0602
source	<pre><xs:element name="freq" type="freqType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0602</xs:documentation> </xs:annotation> </xs:element></pre>

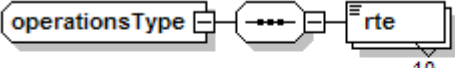
element met_prgmType/anmU

diagram	 <p>From WMO-No. 47 Code Table 0103</p>												
type	anmUType												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>footnote</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	footnote	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
footnote	xs:string	optional											
annotation	documentation From WMO-No. 47 Code Table 0103												
source	<pre><xs:element name="anmU" type="anmUType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0103</xs:documentation> </xs:annotation> </xs:element></pre>												

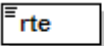
element met_prgmType/blc

diagram	 <p>From WMO-No. 47 Code Table 0203</p>												
type	blcType												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>footnote</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	footnote	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
footnote	xs:string	optional											
annotation	documentation From WMO-No. 47 Code Table 0203												
source	<pre><xs:element name="blc" type="blcType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0203</xs:documentation> </xs:annotation> </xs:element></pre>												

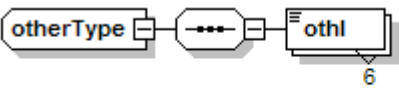
complexType operationsType

diagram	 <p>10 From WMO-No. 47 Code Table 1802</p>
children	rte
used by	element pub47recordType/operations
source	<pre><xs:complexType name="operationsType"> <xs:sequence> <xs:element name="rte" type="rteType" minOccurs="10" maxOccurs="10"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1802</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>


element **operationsType/rte**

diagram	 <p>From WMO-No. 47 Code Table 1802</p>						
type	rteType						
attributes	Name Id	Type xs:positiveInteger	Use required	Default	Fixed	Annotation documentation	Id = 1 for first route, Id = 2 for second route, ... Id = 10 for tenth route
annotation	footnote	xs:string	optional	documentation	From WMO-No. 47 Code Table 1802		
source	<pre><xs:element name="rte" type="rteType" minOccurs="10" maxOccurs="10"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1802</xs:documentation> </xs:annotation> </xs:element></pre>						

complexType **otherType**

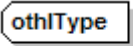
diagram	 <p>From WMO-No. 47 Code Table 1501</p>						
children	othl						
used by	element	instrumentationType/other					
source	<pre><xs:complexType name="otherType"> <xs:sequence> <xs:element name="othl" type="othlType" minOccurs="6" maxOccurs="6"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1501</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>						

element **otherType/othl**

diagram	 <p>From WMO-No. 47 Code Table 1501</p>						
type	othlType						
attributes	Name Id	Type xs:positiveInteger	Use required	Default	Fixed	Annotation documentation	Id = 1 for primary

										instrument, Id = 2 for secondary instrument Id = 6 for sixth instrument
	footnote	xs:string	optional							
annotation	documentation	From WMO-No. 47 Code Table 1501								
source	<pre><xs:element name="othl" type="othlType" minOccurs="6" maxOccurs="6"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1501</xs:documentation> </xs:annotation> </xs:element></pre>									

complexType othlType

diagram	 <p>From WMO-No. 47 Code Table 1501</p>									
type	extension of xs:string									
used by	element	otherType/othl								
attributes	Name	Type	Use	Default	Fixed	Annotation				
	Id	xs:positiveInteger	required			documentation	Id = 1 for primary instrument, Id = 2 for secondary instrument Id = 6 for sixth instrument			
	footnote	xs:string	optional							
annotation	documentation	From WMO-No. 47 Code Table 1501								
source	<pre><xs:complexType name="othlType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1501</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="Id" type="xs:positiveInteger" use="required"> <xs:annotation> <xs:documentation>Id = 1 for primary instrument, Id = 2 for secondary instrument Id = 6 for sixth instrument</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>									

complexType **pub47recordType**

diagram						
children	name reg call IMOn vssl digital_image dimensions operations vos_service met_prgm instrumentation chgd					
used by	element	pub47dataset/pub47record				
attributes	Name	Type	Use	Default	Fixed	Annotation
	nmsID	xs:string	optional			
source	<pre> <xs:complexType name="pub47recordType"> <xs:sequence> <xs:element ref="name"/> <xs:element ref="reg"/> <xs:element ref="call"/> <xs:element ref="IMOn"/> <xs:element name="vssl" type="vsslType"/> <xs:element name="digital_image" type="digital_imageType"/> <xs:element name="dimensions" type="dimensionsType"/> <xs:element name="operations" type="operationsType"/> <xs:element name="vos_service" type="vos_serviceType"/> <xs:element name="met_prgm" type="met_prgmType"/> <xs:element name="instrumentation" type="instrumentationType"/> <xs:element ref="chgd"/> </xs:sequence> <xs:attribute name="nmsID" type="xs:string" use="optional"/> </xs:complexType> </pre>					

element **pub47recordType/vssl**

diagram						
type	vsslType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			

source	<code><xs:element name="vssl" type="vsslType"/></code>
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element pub47recordType/digital_image

diagram	
type	digital_imageType
children	vsslP
source	<code><xs:element name="digital_image" type="digital_imageType"/></code>

element pub47recordType/dimensions

diagram	
type	dimensionsType
children	lenvssID brdvssID frbvssID drfvssID chtvssID brdg
source	<code><xs:element name="dimensions" type="dimensionsType"/></code>

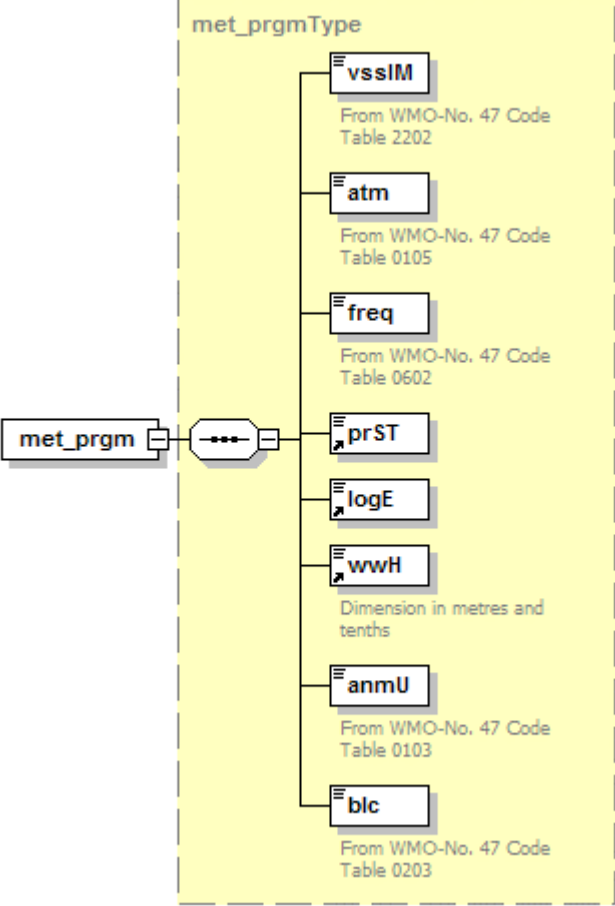
element **pub47recordType/operations**

diagram	<p>The diagram shows an 'operations' element connected to a dashed box labeled 'operationsType'. Inside this box, there is a choice element (represented by a circle with three dots) containing the 'rte' element. Below the 'rte' element, the number '10' is shown, followed by the text 'From WMO-No. 47 Code Table 1802'.</p>
type	operationsType
children	rte
source	<code><xs:element name="operations" type="operationsType"/></code>

element **pub47recordType/vos_service**

diagram	<p>The diagram shows a 'vos_service' element connected to a dashed box labeled 'vos_serviceType'. Inside this box, there is a choice element (represented by a circle with three dots) containing four elements: 'vosR', 'vosD', 'vclmR', and 'vclmD'. Each of these elements has a 'date format = yyyyymmdd' attribute.</p>
type	vos_serviceType
children	vosR vosD vclmR vclmD
source	<code><xs:element name="vos_service" type="vos_serviceType"/></code>

element **pub47recordType/met_prgm**

<p>diagram</p>	 <p>The diagram illustrates the structure of the <code>met_prgm</code> element. It is connected to a container labeled <code>met_prgmType</code>. Inside this container, the following child elements are listed:</p> <ul style="list-style-type: none"> <code>vssIM</code>: From WMO-No. 47 Code Table 2202 <code>atm</code>: From WMO-No. 47 Code Table 0105 <code>freq</code>: From WMO-No. 47 Code Table 0602 <code>prST</code> <code>logE</code> <code>wwH</code>: Dimension in metres and tenths <code>anmU</code>: From WMO-No. 47 Code Table 0103 <code>blc</code>: From WMO-No. 47 Code Table 0203
<p>type</p>	<p>met_prgmType</p>
<p>children</p>	<p>vssIM atm freq prST logE wwH anmU blc</p>
<p>source</p>	<p><code><xs:element name="met_prgm" type="met_prgmType"/></code></p>

element **pub47recordType/instrumentation**

diagram	
type	instrumentationType
children	automated barometer dry_bulb hygrometer sea_temp barograph anemometer other
source	<code><xs:element name="instrumentation" type="instrumentationType"/></code>

complexType **rteType**

diagram						
type	extension of xs:string					
used by	element	operationsType/rte				
attributes	Name	Type	Use	Default	Fixed	Annotation
	ld	xs:positiveInteger	required			ld = 1 for first route, ld = 2 for second route, ..., ld = 10 for tenth route
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 1802				

source	<pre> <xs:complexType name="rteType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1802</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="ld" type="xs:positiveInteger" use="required"> <xs:annotation> <xs:documentation>ld = 1 for first route, ld = 2 for second route ld = 10 for tenth route</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>
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complexType sea_tempType

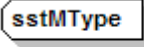
diagram						
children	sstM sstD					
used by	element	instrumentationType/sea_temp				
attributes	Name	Type	Use	Default	Fixed	Annotation
	ld	xs:positiveInteger	required			ld = 1 for primary instrument, ld = 2 for secondary instrument
source	<pre> <xs:complexType name="sea_tempType"> <xs:sequence> <xs:element name="sstM" type="sstMType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1901</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="sstD"/> </xs:sequence> <xs:attribute name="ld" type="xs:positiveInteger" use="required"> <xs:annotation> <xs:documentation>ld = 1 for primary instrument, ld = 2 for secondary instrument</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>					

element sea_tempType/sstM

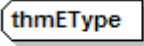
diagram	
type	sstMType

attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 1901				
source	<pre><xs:element name="sstM" type="sstMType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1901</xs:documentation> </xs:annotation> </xs:element></pre>					

complexType **sstMType**

diagram	 <p>From WMO-No. 47 Code Table 1901</p>					
type	extension of xs:string					
used by	element	sea_tempType/sstM				
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 1901				
source	<pre><xs:complexType name="sstMType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 1901</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

complexType **thmEType**

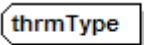
diagram	 <p>From WMO-No. 47 Code Table 0801</p>					
type	extension of xs:string					
used by	element	dry_bulbType/thmE				
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation	From WMO-No. 47 Code Table 0801				
source	<pre><xs:complexType name="thmEType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 0801</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

complexType **thmLType**

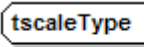
diagram	 <p>From WMO-No. 47 Code Table 2001</p>					
---------	--	--	--	--	--	--

type	extension of xs:string					
used by	element dry_bulbType/thmL					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation From WMO-No. 47 Code Table 2001					
source	<pre><xs:complexType name="thmLType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2001</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

complexType thrmType

diagram	 <p>From WMO-No. 47 Code Table 2002</p>					
type	extension of xs:string					
used by	element dry_bulbType/thrm					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation From WMO-No. 47 Code Table 2002					
source	<pre><xs:complexType name="thrmType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2002</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

complexType tscaleType

diagram	 <p>From WMO-No. 47 Code Table 2003</p>					
type	extension of xs:string					
used by	element dry_bulbType/tscale					
attributes	Name footnote	Type xs:string	Use optional	Default	Fixed	Annotation
annotation	documentation From WMO-No. 47 Code Table 2003					
source	<pre><xs:complexType name="tscaleType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2003</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>					

complexType vos_serviceType

diagram	<pre> sequenceDiagram participant vos_serviceType as vos_serviceType vos_serviceType --> vosR as vosR vos_serviceType --> vosD as vosD vos_serviceType --> vclmR as vclmR vos_serviceType --> vclmD as vclmD vosR --> vosR_date as date format = yyyyMMdd vosD --> vosD_date as date format = yyyyMMdd vclmR --> vclmR_date as date format = yyyyMMdd vclmD --> vclmD_date as date format = yyyyMMdd </pre>
children	vosR vosD vclmR vclmD
used by	element pub47recordType/vos_service
source	<pre> <xs:complexType name="vos_serviceType"> <xs:sequence> <xs:element ref="vosR"/> <xs:element ref="vosD"/> <xs:element ref="vclmR"/> <xs:element ref="vclmD"/> </xs:sequence> </xs:complexType> </pre>

complexType vssIMType

diagram	<p>vssIMType From WMO-No. 47 Code Table 2202</p>												
type	extension of xs:string												
used by	element met_prgmType/vssIM												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>footnote</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	footnote	xs:string	optional			
Name	Type	Use	Default	Fixed	Annotation								
footnote	xs:string	optional											
annotation	documentation From WMO-No. 47 Code Table 2202												
source	<pre> <xs:complexType name="vssIMType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2202</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>												

complexType vsslType

diagram	<p>vsslType From WMO-No. 47 Code Table 2201</p>
type	extension of xs:string
used by	element pub47recordType/vssl

attributes	Name	Type	Use	Default	Fixed	Annotation
	footnote	xs:string	optional			
annotation	documentation	From WMO-No. 47 Code Table 2201				
source	<pre> <xs:complexType name="vssIType"> <xs:annotation> <xs:documentation>From WMO-No. 47 Code Table 2201</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="footnote" type="xs:string" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>					

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