Schema documentation for measured-1-1-0.xsd

february 17, 2017

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Namespace: "http://gaslab.zib.de/kwpt/measured"

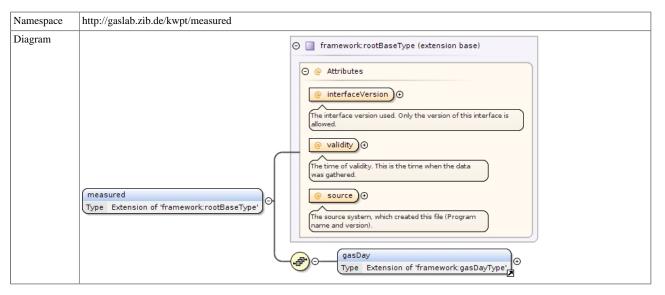
Schema(s)

Main schema measured-1-1-0.xsd

Namespace	http://gaslab.zib.de/kwpt/measured		
Properties	attribute form default:	unqualified	
	element form default:	qualified	
	version:	1.1.0	

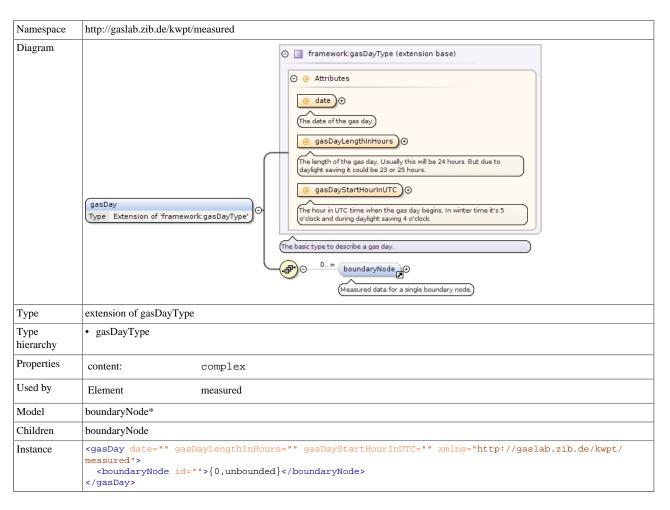
Element(s)

Element measured



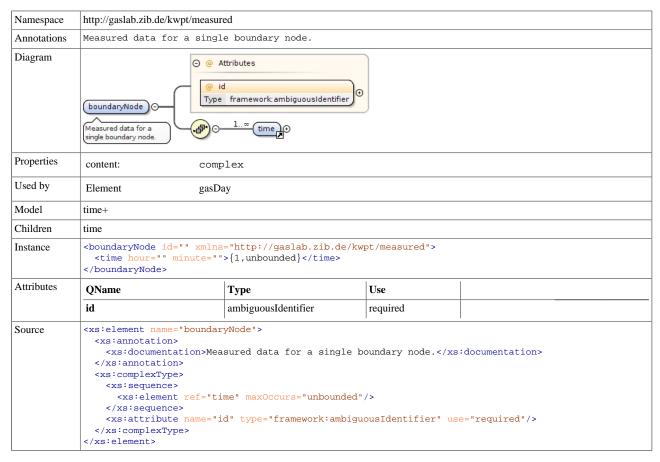
Type	extension of rootBaseType			
Type hierarchy	• rootBaseType			
Properties	content: com	plex		
Model	gasDay			
Children	gasDay			
Instance	<pre><measured interfaceversion="" source="" validity="" xmlns="http://gaslab.zib.de/kwpt/measured"></measured></pre>			
Attributes	QName	Type	Use	
	interfaceVersion	interfaceVersionType	required	
		The interface version use	ed. Only the vers	ion of this interface is allowed.
	source	sourceType	required	
		The source system, which	created this file	e (Program name and version).
	validity	xsd:dateTime	required	
		The time of validity. The	is is the time who	en the data was gathered.
Source	<pre><xs:element framework:rootbasetype"="" name="measur</td><td>="></xs:element></pre>			

Element gasDay



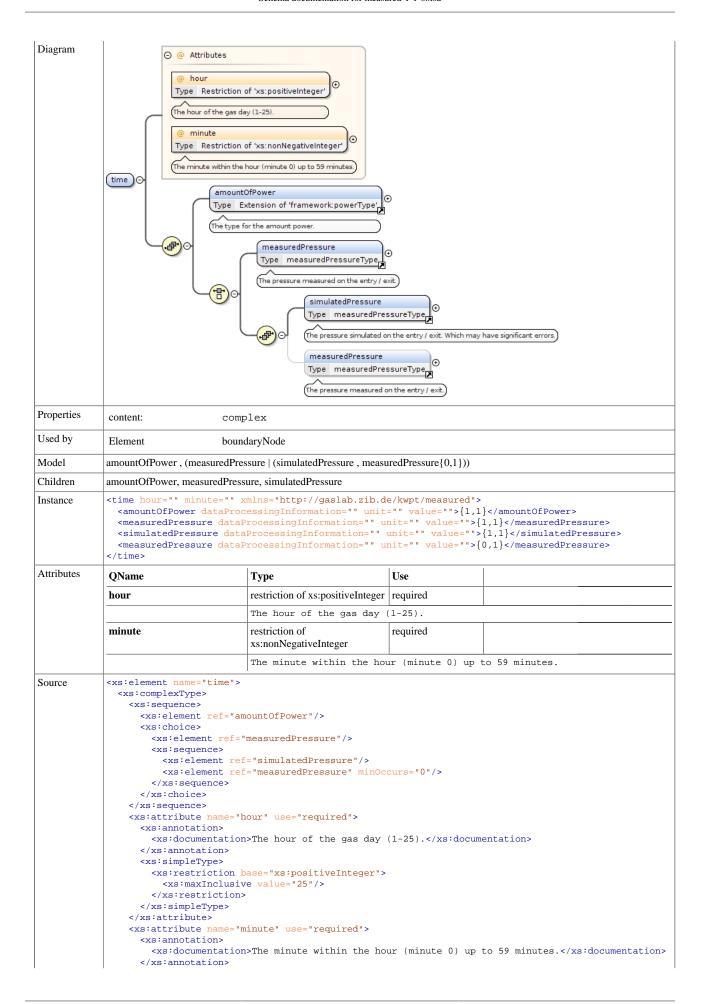
Attributes	QName	Type	Use		
	date	xsd:date	required		
		The date of the gas day.			
	gasDayLengthInHours	gasDayLengthInHoursType	required		
		The length of the gas day. Usually this will be 24 hours. But due to daylight saving it could be 23 or 25 hours.			
	gasDayStartHourInUTC	gasDayStartHourInUtcType	required		
		The hour in UTC time when the gas day begins. In winter time it's 5 o'clock and during daylight saving 4 o'clock.			
Source	<pre></pre>				

Element boundaryNode

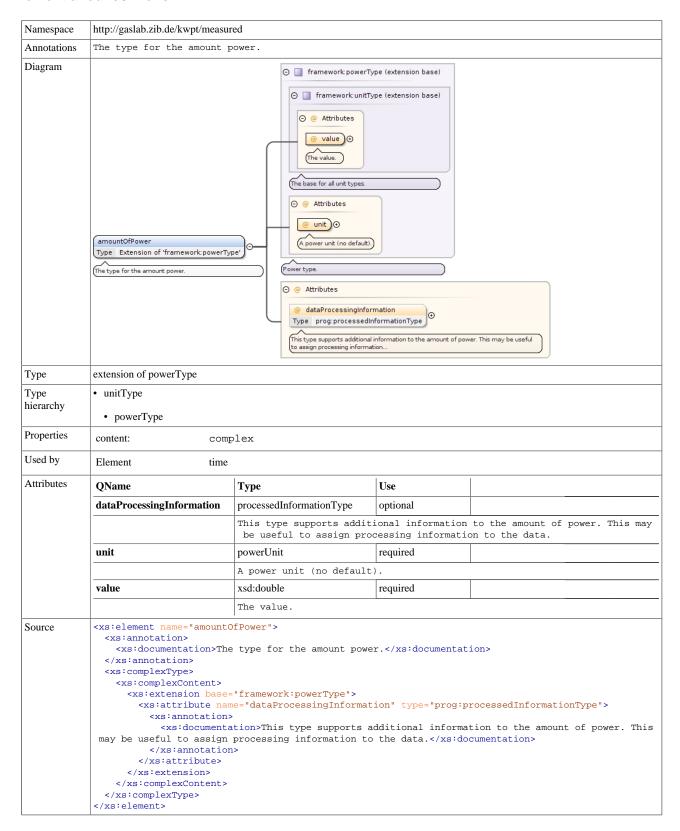


Element time

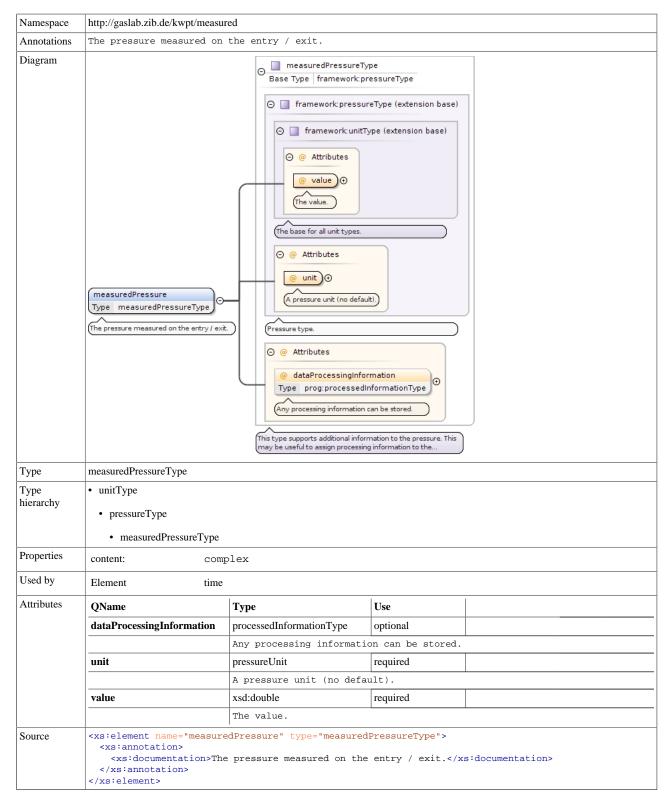
Namespace	http://gaslab.zib.de/kwpt/measured
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Element amountOfPower

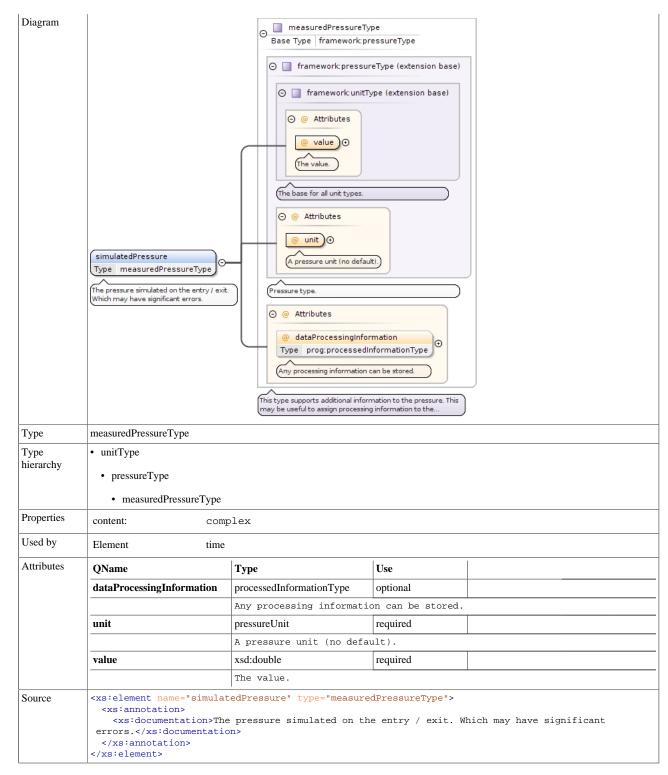


Element measuredPressure



Element simulatedPressure

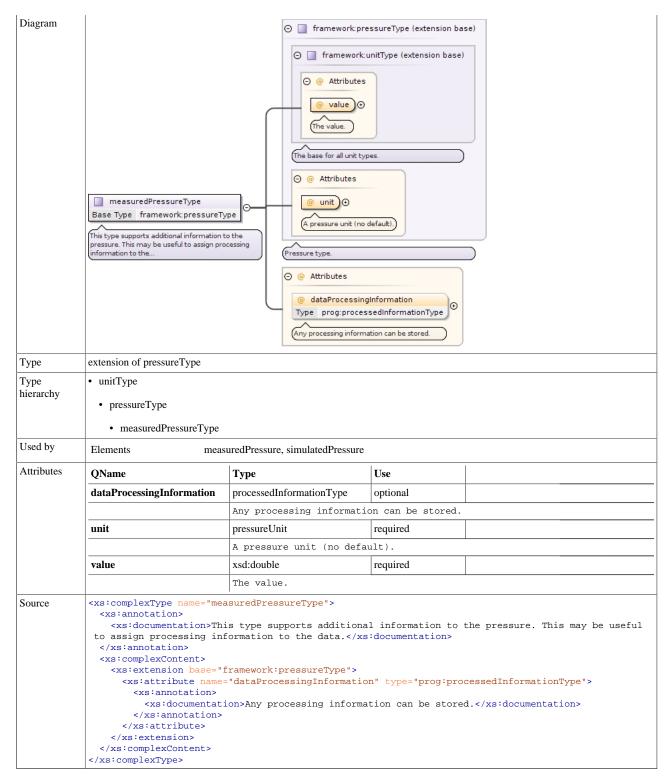
Namespace	http://gaslab.zib.de/kwpt/measured
Annotations	The pressure simulated on the entry / exit. Which may have significant errors.



Complex Type(s)

Complex Type measuredPressureType

Namespace	http://gaslab.zib.de/kwpt/measured
Annotations	This type supports additional information to the pressure. This may be useful to assign processing information to the data.



Namespace: ""

Attribute(s)

Attribute amountOfPower / @dataProcessingInformation

Namespace	No namespace
Annotations	This type supports additional information to the amount of power. This may be useful to assign processing information to the data.
Type	processedInformationType

Properties	content:	simple
Facets	maxLength	1024
Used by	Element	amountOfPower
Source	<pre><xs:annotation> <xs:documentation< pre=""></xs:documentation<></xs:annotation></pre>	"dataProcessingInformation" type="prog:processedInformationType"> on>This type supports additional information to the amount of power. This may be rocessing information to the data.

Attribute measuredPressureType / @dataProcessingInformation

Namespace	No namespace		
Annotations	Any processing information can be stored.		
Туре	processedInformation	Гуре	
Properties	content:	simple	
Facets	maxLength	1024	
Used by	Complex Type	measuredPressureType	
Source	<pre><xs:attribute name="dataProcessingInformation" type="prog:processedInformationType"></xs:attribute></pre>		

Attribute time / @hour

Namespace	No namespace		
Annotations	The hour of the gas day (1-25).		
Туре	restriction of xs:positi	veInteger	
Properties	use:	required	
Facets	maxInclusive	25	
Used by	Element	time	
Source	<pre><xs:annotation> <xs:documenta <="" <xs:simpletype="" xs:annotation=""> <xs:restricti< pre=""></xs:restricti<></xs:documenta></xs:annotation></pre>	tion>The hour of the gas day (1-25). > on base="xs:positiveInteger"> usive value="25"/> ion>	

Attribute time / @minute

Namespace	No namespace			
Annotations	The minute within t	The minute within the hour (minute 0) up to 59 minutes.		
Туре	restriction of xs:nonNeg	ativeInteger		
Properties	use:	required		
Facets	maxInclusive	59		
Used by	Element	time		
Source	<pre><xs:annotation></xs:annotation></pre>	"minute" use="required"> Lon>The minute within the hour (minute 0) up to 59 minutes. n base="xs:nonNegativeInteger"> sive value="59"/> on>		

</xs:attribute>

Attribute boundaryNode / @id

Namespace	No namespace	
Type	ambiguousIdentifier	
Properties	use:	required
Facets	minLength	1
	maxLength	22
	pattern	[a-zA-Z]{1}[a-zA-Z0-9_]*
Used by	Element	boundaryNode
Source	<pre><xs:attribute name="id" type="framework:ambiguousIdentifier" use="required"></xs:attribute></pre>	