Schema documentation for parameters_schema.xsd

august 31, 2016

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Namespace: ""

Schema(s)

Main schema parameters_schema.xsd

Namespace	No namespace	
Properties	attribute form default:	unqualified
	element form default:	qualified

Included schema common_elements.xsd

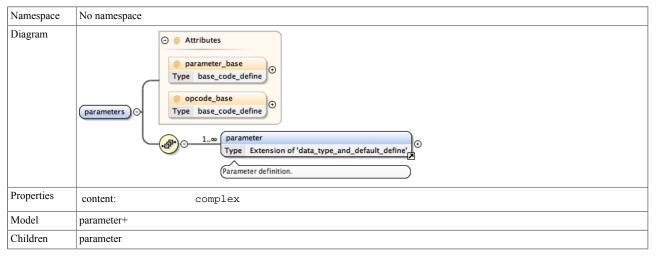
Namespace	No namespace	
Properties	attribute form default:	unqualified
	element form default:	qualified

Included schema common_types.xsd

Namespace	No namespace	
Properties	attribute form default:	unqualified
	element form default:	qualified

Element(s)

Element parameters



Instance		ase="" parameter_base=""> pe="" default="" id="" na	me="" save_opcode=""	set_opcode="" size="">{1,unbounded}
Attributes	QName	Туре	Use	
	opcode_base	base_code_define	optional	
	parameter_base	base_code_define	optional	
Source <pre> <pre></pre></pre>				

Element parameter

Namespace	No namespace					
Annotations	Parameter definition.					
Diagram	S O ANAMA (And And And And And And And And And And					
Туре	extension of data_type_and_de	efault_define				
Type hierarchy	data_type_and_default_defi	ne				
Properties	content: co	mplex				
Used by	Element par	ameters				
Model	enum {0,1}, comment					
Children	comment, enum					
Instance	<enum name="">{0,1}<!--</td--><td colspan="5"><pre><parameter data_type="" default="" id="" name="" save_opcode="" set_opcode="" size=""> <enum name="">{0,1}</enum> <comment>{1,1}</comment> </parameter></pre></td></enum>	<pre><parameter data_type="" default="" id="" name="" save_opcode="" set_opcode="" size=""> <enum name="">{0,1}</enum> <comment>{1,1}</comment> </parameter></pre>				
Attributes	QName	Туре	Use			
	data_type	union of(not_user_cpp_type_define, restriction of xs:token,	required			

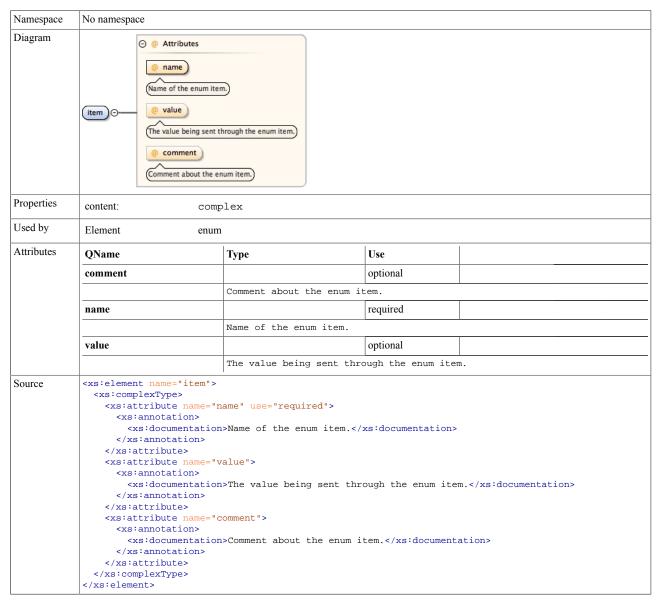
QName	Type	Use			
	restriction of xs:token, restriction of xs:token, restriction of xs:token, restriction of xs:token, restriction of xs:token)				
default	restriction of xs.token)	optional			
id	id_define	required			
	ID of the attribute.				
name		required			
	Parameter name	Parameter name			
save_opcode	id_define	required			
	Opcode for saving the pa	rameter.			
set_opcode	id_define	required			
	Opcode for setting the p	arameter.			
size	positive_integer_define	optional			
<pre> <pre> </pre> <pre> </pre> <pre> <pre> <pre> <pre> </pre> <pre> <pr< th=""><th>me="id" use="required" type ation>ID of the attribute. n> me="set_opcode" use="required" ation>Opcode for setting the me="save_opcode" use="required" ation>Opcode for saving the me="name" use="required"> ation>Opcode for saving the me="name" use="required"> ation>Parameter name</th></pr<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	me="id" use="required" type ation>ID of the attribute. n> me="set_opcode" use="required" ation>Opcode for setting the me="save_opcode" use="required" ation>Opcode for saving the me="name" use="required"> ation>Opcode for saving the me="name" use="required"> ation>Parameter name	define"> "e="id_define"> the parameter. tired" type="id_define"> type="id	<pre>ine"> :documentation> fine"></pre>		

Element enum

Namespace	No namespace	
Diagram	enum O Enum Na	
Properties	content:	complex
Used by	Complex Type	data_type_and_default_define
	Element	parameter
	Element Group	type_size_choice_define
Model	item+	

Children	item				
Instance	<pre><enum name=""> <item comment="" name="" value="">{1,unbounded}</item> </enum></pre>				
Attributes	QName Type Use				
	name		required		
	Enum Name.				
Source	<pre><xs:element name="enum"></xs:element></pre>				

Element item

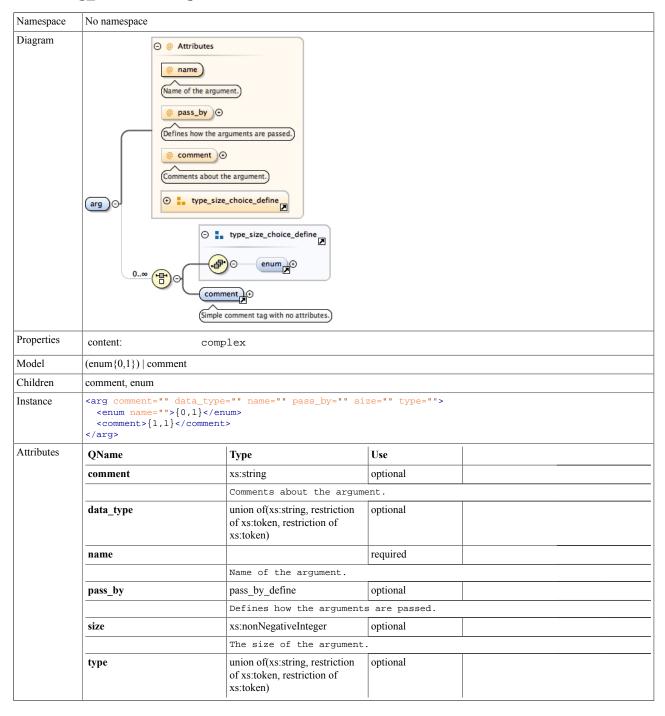


Element comment

Namespace	No namespace
-----------	--------------

Annotations	Simple comment tag with no attributes.
Diagram	Simple comment tag with no attributes. Built-in primitive type. The string datatype represents character strings in XML.
Туре	xs:string
Properties	content: simple
Used by	Elements arg_define/arg, external_arg_define/arg, parameter, return
Source	<pre><xs:element name="comment" type="xs:string"> <xs:annotation> <xs:documentation>Simple comment tag with no attributes.</xs:documentation> </xs:annotation> </xs:element></pre>

Element arg_define / arg



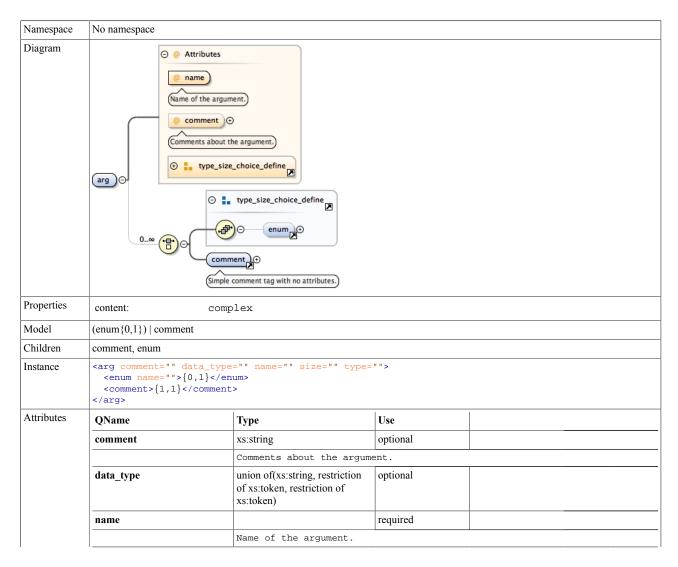
```
Source
            <xs:element name="arg">
              <xs:complexType>
                <xs:choice minOccurs="0" maxOccurs="unbounded">
                  <xs:group ref="type_size_choice_define"/>
                  <xs:element ref="comment"/>
                </xs:choice>
                <xs:attribute name="name" use="required">
                  <xs:annotation>
                    <xs:documentation>Name of the argument.</xs:documentation>
                  </xs:annotation>
                </xs:attribute>
                <xs:attribute name="pass_by" type="pass_by_define">
                  <xs:annotation>
                    \verb| <xs: documentation> Defines how the arguments are passed. </xs: documentation> \\
                  </xs:annotation>
                </xs:attribute>
                <xs:attribute name="comment" type="xs:string">
                  <xs:annotation>
                    <xs:documentation>Comments about the argument.</xs:documentation>
                  </xs:annotation>
                </xs:attribute>
                <xs:attributeGroup ref="type_size_choice_define"/>
              </xs:complexType>
             </xs:element>
```

Element return

Namespace	No namespace			
Diagram	Rame of the argument. pass_by O			
Properties	content: com	plex		
Model	(enum{0,1}) comment			
Children	comment, enum			
Instance	<pre><return comment="" data_type="" name="" pass_by="" size="" type=""> <enum name="">{0,1}</enum> <comment>{1,1}</comment> </return></pre>			
Attributes	QName	Type	Use	
	comment	xs:string	optional	
		Comments about the argument.		
	data_type	union of(xs:string, restriction of xs:token, restriction of xs:token)	optional	
	name		optional	
		Name of the argument.	1	
	pass_by	pass_by_define	optional	
		Defines how the arguments are passed.		

	QName	Type	Use
		The size of the argument	:.
	type	union of(xs:string, restriction of xs:token, restriction of xs:token)	optional
Source	<pre><xs:group <="" co="" ref="type <xs:element ref=" xs:choice=""> <xs:attribute <xs:attribute="" g="" name="g <xs:antotation> </xs:annotation> </xs:annotation> </xs:annotation> </xs:attribute> <xs:attribute name="> <xs:attribute> <xs:attribute> <xs:attribute> <xs:attribute <xs:annotation=""> </xs:attribute></xs:attribute></xs:attribute></xs:attribute></xs:attribute></xs:group></pre>	"0" maxOccurs="unbounded" size_choice_define"/> mment"/> mment"/> where we will be a size of the argument.	<pre>xs:documentation> fine"> ts are passed. > ment.</pre>

Element external_arg_define / arg



	QName	Type	Use	
	size	xs:nonNegativeInteger	optional	
		The size of the argument.		
	type	union of(xs:string, restriction of xs:token, restriction of xs:token)	optional	
Source	<pre><xs:group <="" co="" ref="type <xs:element ref=" xs:choice=""> </xs:group></pre>			

Complex Type(s)

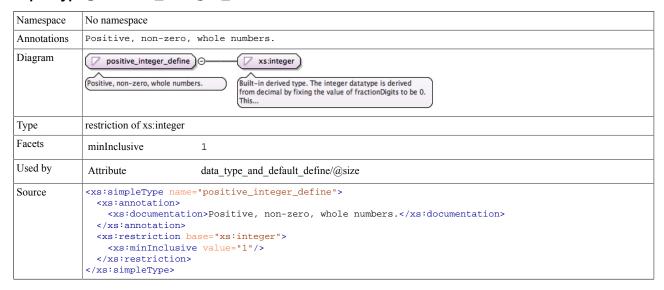
${\bf Complex\;Type\; {\tt data_type_and_default_define}}$

Namespace	No namespace			
Annotations	Makes attribute pair choices to match data type with default value.			
Diagram	O 1 M Name Section Control Co			
Used by	Element	parameter		
Model	enum{0,1}			
Children	enum			
Attributes	QName	Туре	Use	
	data_type	union of(not_user_cpp_type_define, restriction of xs:token,	required	
	default		optional	
	size	positive_integer_define	optional	
Source	<pre><xs:complextype name="data_type_and_default_define"></xs:complextype></pre>			

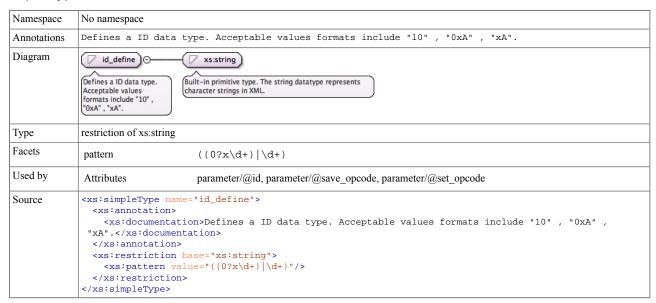
```
</xs:sequence>
  <xs:attribute name="data_type" use="required">
   <xs:simpleType>
     <xs:union memberTypes="not_user_cpp_type_define">
       <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="ENUM"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
         <xs:restriction base="xs:token">
            <xs:enumeration value="string"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="I8"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="U8"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="I16"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="U16"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
         <xs:restriction base="xs:token">
            <xs:enumeration value="I32"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
         <xs:restriction base="xs:token">
           <xs:enumeration value="U32"/>
         </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
         <xs:restriction base="xs:token">
            <xs:enumeration value="I64"/>
         </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
         <xs:restriction base="xs:token">
           <xs:enumeration value="U64"/>
         </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
         <xs:restriction base="xs:token">
            <xs:enumeration value="F32"/>
         </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
          <xs:restriction base="xs:token">
           <xs:enumeration value="F64"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
         <xs:restriction base="xs:token">
            <xs:enumeration value="NATIVE_INT_TYPE"/>
         </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
         <xs:restriction base="xs:token">
           <xs:enumeration value="NATIVE_UINT_TYPE"/>
         </xs:restriction>
        </xs:simpleType>
     </xs:union>
   </xs:simpleType>
 </xs:attribute>
 <xs:attribute name="default"/>
 <xs:attribute name="size" type="positive_integer_define"/>
</xs:complexType>
```

Simple Type(s)

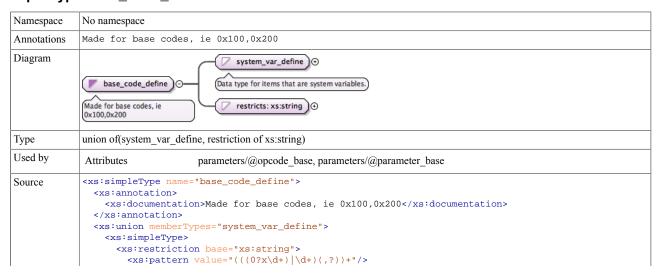
Simple Type positive_integer_define



Simple Type id_define



Simple Type base_code_define



```
</xs:restriction>
  </xs:simpleType>
  </xs:union>
  </xs:simpleType>
```

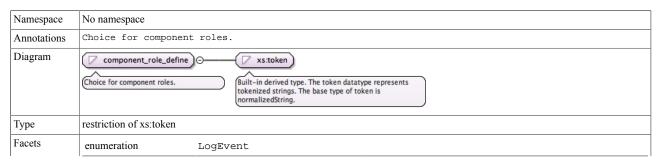
Simple Type full_items_define



Simple Type pass_by_define

Namespace	No namespace		
Annotations	Defines how the variable is being passed.		
Diagram	pass_by_define O— Defines how the variable is being passed.	Built-in derived type. The token datatype represents tokenized strings. The base type of token is normalizedString.	
Туре	restriction of xs:token		
Facets	enumeration	reference	
	enumeration	value	
	enumeration	pointer	
Used by	Attributes	arg_define/arg/@pass_by, return/@pass_by	
Source	<pre><xs:simpletype name="pass_by_define"></xs:simpletype></pre>		

Simple Type component_role_define

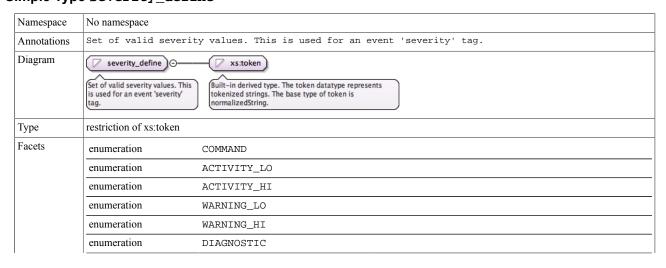


	enumeration	LogTextEvent
	enumeration	TimeGet
	enumeration	ParamSet
	enumeration	ParamGet
	enumeration	Telemetry
	enumeration	CmdRegistration
	enumeration	Cmd
	enumeration	CmdResponse
Source	<pre>enumeration</pre>	

Simple Type channel_update_define



Simple Type severity_define

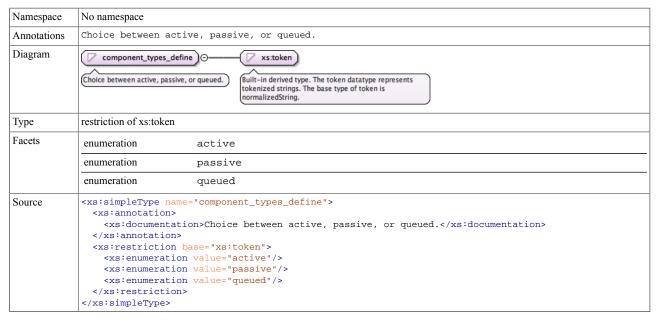


```
enumeration
                                 FATAL
            <xs:simpleType name="severity_define">
Source
              <xs:annotation>
                <xs:documentation>Set of valid severity values. This is used for an event 'severity' tag.
            xs:documentation>
              </xs:annotation>
              <xs:restriction base="xs:token">
                <xs:enumeration value="COMMAND"/>
                <xs:enumeration value="ACTIVITY_LO"/>
                <xs:enumeration value="ACTIVITY_HI"/>
                <xs:enumeration value="WARNING_LO"/>
                <xs:enumeration value="WARNING_HI"/>
                <xs:enumeration value="DIAGNOSTIC"/>
                <xs:enumeration value="FATAL"/>
              </xs:restriction>
            </xs:simpleType>
```

Simple Type command_kind_define

Namespace	No namespace		
Annotations	Choice between different command kinds.		
Diagram	Choice between different command kinds. Built-in derived type. The token datatype represents tokenized strings. The base type of token is normalizedString.		
Туре	restriction of xs:token		
Facets	enumeration async		
	enumeration sync		
	enumeration guarded		
Source	<pre><xs:simpletype name="command_kind_define"></xs:simpletype></pre>		

Simple Type component_types_define

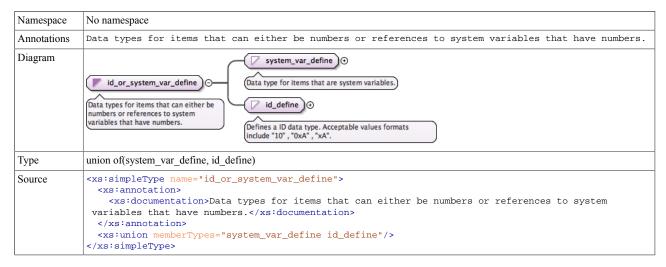


Simple Type port_types_define

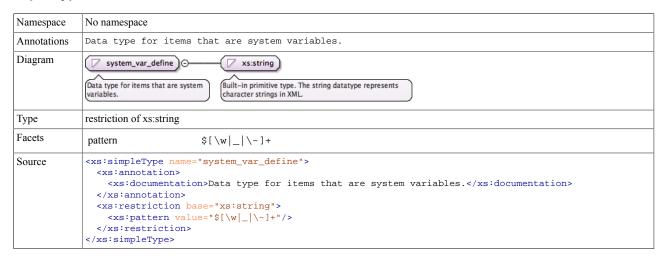
Namespace	No namespace
-----------	--------------

Annotations	Choice between diffe	erent port types.
Diagram	port_types_define Choice between different port types.	Built-in derived type. The token datatype represents tokenized strings. The base type of token is normalizedString.
Туре	restriction of xs:token	
Facets	enumeration	input
	enumeration	sync_input
	enumeration	guarded_input
	enumeration	async_input
	enumeration	model_input
	enumeration	output
Source	<pre><xs:simpletype name="port_types_define"></xs:simpletype></pre>	

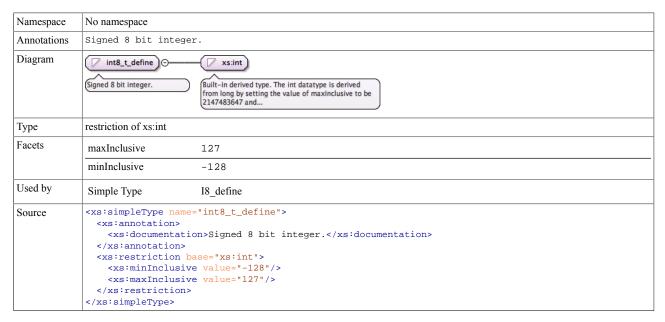
Simple Type id_or_system_var_define



Simple Type system_var_define



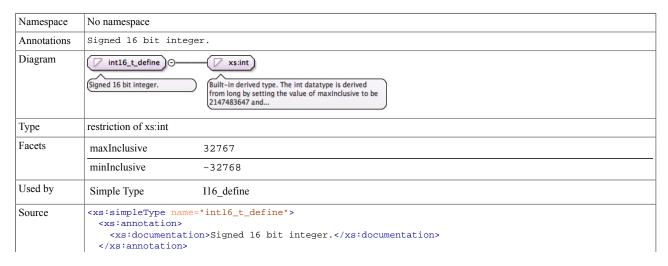
Simple Type int8_t_define



Simple Type uint8_t_define

Namespace	No namespace		
Annotations	Unsigned 8 bit integer		
Diagram	Unsigned 8 bit integer	Built-in derived type. The unsignedByte datatype is derived from unsignedShort by setting the value of maxinclusive to	
Type	restriction of xs:unsigned	Byte	
Facets	maxInclusive	255	
	minInclusive	0	
Used by	Simple Type	U8_define	
Source	<pre><xs:simpletype name="uint8_t_define"></xs:simpletype></pre>		

Simple Type int16_t_define



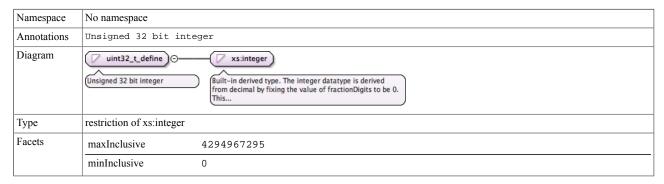
Simple Type uint16_t_define



Simple Type int32_t_define

Namespace	No namespace		
Annotations	Signed 32 bit integer.		
Diagram	int32_t_define) — (Signed 32 bit integer.	Suilt-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This	
Туре	restriction of xs:integer		
Facets	maxInclusive	2147483647	
	minInclusive	-2147483648	
Used by	Simple Types	I32_define, NATIVE_INT_TYPE_define	
Source	<pre><xs:simpletype name="int32_t_define"></xs:simpletype></pre>		

Simple Type ${\tt uint32_t_define}$



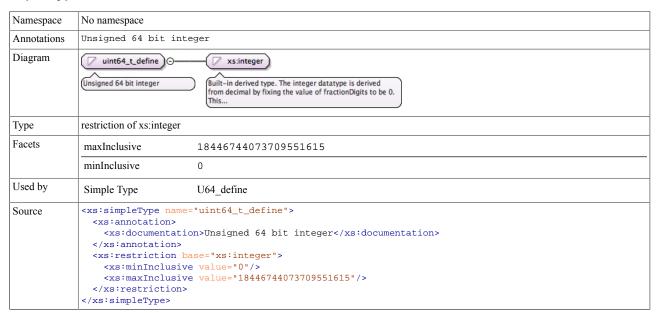
```
Used by Simple Types NATIVE_UINT_TYPE_define, U32_define

Source
```

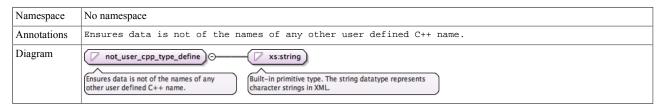
Simple Type int64_t_define

Namespace	No namespace		
Annotations	Signed 64 bit integer.		
Diagram	Signed 64 bit integer.	Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This	
Туре	restriction of xs:integ	ger	
Facets	maxInclusive	9223372036854775807	
	minInclusive	-9223372036854775808	
Used by	Simple Type	I64_define	
Source	<pre><xs:simpletype name="int64_t_define"></xs:simpletype></pre>		

Simple Type uint64_t_define



${\bf Simple\ Type\ not_user_cpp_type_define}$



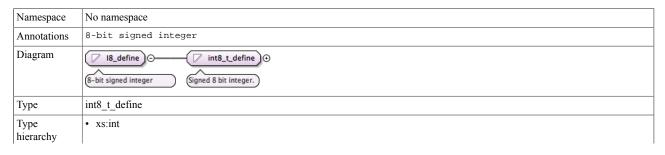
Simple Type NATIVE_INT_TYPE_define

Namespace	No namespace	
Annotations	native integer type declaration	
Diagram	NATIVE_INT_TYPE_define ☐ int32_t_define ☐ int	
Type	int32_t_define	
Type hierarchy	 xs:integer int32_t_define NATIVE_INT_TYPE_define 	
Facets	maxInclusive 2147483647	
	minInclusive -2147483648	
Source	<pre><xs:simpletype name="NATIVE_INT_TYPE_define"></xs:simpletype></pre>	

Simple Type NATIVE_UINT_TYPE_define

Namespace	No namespace	
Annotations	native unsigned integer type declaration	
Diagram	NATIVE_UINT_TYPE_define ✓ uint32_t_define ✓ uint32_t_define ✓ uint32_t_define	
Type	uint32_t_define	
Type hierarchy	 xs:integer uint32_t_define NATIVE_UINT_TYPE_define	
Facets	maxInclusive 4294967295	
	minInclusive 0	
Source	<pre><xs:simpletype name="NATIVE_UINT_TYPE_define"></xs:simpletype></pre>	

Simple Type 18_define



	• int8_t_define	
	• I8_define	
Facets	maxInclusive	127
	minInclusive	-128
Source		ion>8-bit signed integer

Simple Type ${\tt U8_define}$

Namespace	No namespace	
Annotations	8-bit unsigned integer	
Diagram	U8_define uint8_t_define B-bit unsigned integer Unsigned 8 bit integer	
Туре	uint8_t_define	
Type hierarchy	 xs:unsignedByte uint8_t_define U8_define 	
Facets	maxInclusive 255	
	minInclusive 0	
Used by	Simple Type BYTE_define	
Source	<pre><xs:simpletype name="U8_define"> <xs:annotation> <xs:documentation>8-bit unsigned integer</xs:documentation> </xs:annotation> <xs:restriction base="uint8_t_define"></xs:restriction> </xs:simpletype></pre>	

Simple Type BYTE_define

Namespace	No namespace	
Annotations	byte type	
Diagram	byte type BYTE_define U8_define © U8_define © B-bit unsigned integer	
Type	U8_define	
Type hierarchy	 xs:unsignedByte uint8_t_define U8_define BYTE_define 	
Facets	maxInclusive 255	
	minInclusive 0	
Source	<pre><xs:simpletype name="BYTE_define"> <xs:annotation></xs:annotation></xs:simpletype></pre>	

Simple Type I16_define

Namespace	No namespace
-----------	--------------

Diagram	☐ I16_define ○ ☐ int16_t_define ○ ☐ Signed 16 bit integer.
Type	int16_t_define
Type hierarchy	 xs:int int16_t_define 116 define
Facets	maxInclusive 32767
	minInclusive -32768
Source	<pre><xs:simpletype name="I16_define"> <xs:restriction base="int16_t_define"></xs:restriction> </xs:simpletype></pre>

Simple Type U16_define

Namespace	No namespace	
Annotations	16-bit unsigned integer	
Diagram	U16_define	
Type	uint16_t_define	
Type hierarchy	 xs:int uint16_t_define U16_define	
Facets	maxInclusive 65535	
	minInclusive 0	
Source	<pre><xs:simpletype name="U16_define"></xs:simpletype></pre>	

Simple Type I32_define

Namespace	No namespace
Annotations	32-bit signed integer
Diagram	☐ I32_define ☐ Int32_t_define ☐ Int32_t
Туре	int32_t_define
Type hierarchy	 xs:integer int32_t_define I32_define
Facets	maxInclusive 2147483647
	minInclusive -2147483648
Source	<pre><xs:simpletype name="I32_define"> <xs:annotation> <xs:documentation>32-bit signed integer</xs:documentation> </xs:annotation> <xs:restriction base="int32_t_define"></xs:restriction> </xs:simpletype></pre>

Simple Type U32_define

Namespace	No namespace
-----------	--------------

Annotations	16-bit unsigned in	teger
Diagram	U32_define ©	Unsigned 32 bit integer Unsigned 32 bit integer
Туре	uint32_t_define	
Type hierarchy	• xs:integer	
	• uint32_t_define	
	• U32_define	
Facets	maxInclusive	4294967295
	minInclusive	0
Source	<pre><xs:simpletype name="U32_define"> <xs:annotation></xs:annotation></xs:simpletype></pre>	

Simple Type 164_define

Namespace	No namespace	
Annotations	64-bit unsigned integer	
Diagram	64-bit unsigned integer (Signed 64 bit integer.)	
Type	int64_t_define	
Type hierarchy	 xs:integer int64_t_define 164_define 	
Facets	maxInclusive 9223372036854775807	
	minInclusive -9223372036854775808	
Source	<pre><xs:simpletype name="I64_define"> <xs:annotation></xs:annotation></xs:simpletype></pre>	

Simple Type U64_define



Simple Type F32_define



Simple Type F64_define

Namespace	No namespace	
Annotations	64 bit float	
Diagram	F64_define	
Туре	xs:double	
Source	<pre><xs:simpletype name="F64_define"> <xs:annotation> <xs:documentation>64 bit float</xs:documentation> </xs:annotation> <xs:restriction base="xs:double"></xs:restriction> </xs:simpletype></pre>	

Attribute(s)

Attribute item / @name

Namespace	No namespace	
Annotations	Name of the en	um item.
Properties	use:	required
Used by	Element	item
Source	<pre><xs:attribute name="name" use="required"></xs:attribute></pre>	

Attribute item / @value

Namespace	No namespace
Annotations	The value being sent through the enum item.
Used by	Element item
Source	<pre><xs:attribute name="value"> <xs:annotation> <xs:documentation>The value being sent through the enum item.</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute item / @comment

Namespace	No namespace	
Annotations	Comment about the enum item.	
Used by	Element item	

```
Source
```

Attribute enum / @name

Namespace	No namespace	
Annotations	Enum Name.	
Properties	use:	required
Used by	Element	enum
Source	<pre><xs:attribute name="name" use="required"> <xs:annotation> <xs:documentation>Enum Name.</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute data_type_and_default_define / @data_type

Namespace	No namespace				
Туре	union of(not_user_cpp_type_define, restriction of xs:token, restriction				
Properties	use:	required			
Used by	Complex Type	data_type_and_default_define			
Source		me="data_type" use="required">			
	<xs:simpletype></xs:simpletype>				
		mberTypes="not_user_cpp_type_define">			
	<pre><xs:simpletype></xs:simpletype></pre>				
		riction base="xs:token">			
		umeration value="ENUM"/>			
		triction>			
	<td></td>				
	<xs:simple< td=""><td></td></xs:simple<>				
		riction base="xs:token">			
		umeration value="string"/>			
	<xs:simple< td=""><td></td></xs:simple<>				
		riction base="xs:token">			
		umeration value="I8"/>			
	<xs:simpletype></xs:simpletype>				
	<pre><xs:restriction base="xs:token"></xs:restriction></pre>				
	<pre><xs:enumeration value="U8"></xs:enumeration> </pre>				
	<td></td>				
	<xs:simple< td=""><td>riction base="xs:token"></td></xs:simple<>	riction base="xs:token">			
		umeration value="I16"/>			
		triction>			
	<td></td>				
	<xs:simple< td=""><td></td></xs:simple<>				
	_	riction base="xs:token">			
		umeration value="U16"/>			
		triction>			
	<td></td>				
	<xs:simple< td=""><td></td></xs:simple<>				
	_	riction base="xs:token">			
		umeration value="I32"/>			
		triction>			
	<td></td>				
	<xs:simple< td=""><td></td></xs:simple<>				
	<pre><xs:restriction base="xs:token"></xs:restriction></pre>				
		umeration value="U32"/>			
		triction>			
	<td></td>				
	<xs:simple< td=""><td></td></xs:simple<>				
		riction base="xs:token">			
		umeration value="I64"/>			
		triction>			

```
</xs:simpleType>
     <xs:simpleType>
       <xs:restriction base="xs:token">
         <xs:enumeration value="U64"/>
       </xs:restriction>
     </xs:simpleType>
     <xs:simpleType>
       <xs:restriction base="xs:token">
         <xs:enumeration value="F32"/>
       </xs:restriction>
     </xs:simpleType>
     <xs:simpleType>
       <xs:restriction base="xs:token">
         <xs:enumeration value="F64"/>
       </xs:restriction>
     </xs:simpleType>
     <xs:simpleType>
       <xs:restriction base="xs:token">
         <xs:enumeration value="NATIVE_INT_TYPE"/>
       </xs:restriction>
     </xs:simpleType>
     <xs:simpleType>
       <xs:restriction base="xs:token">
         <xs:enumeration value="NATIVE_UINT_TYPE"/>
       </xs:restriction>
     </xs:simpleType>
   </xs:union>
 </xs:simpleType>
</xs:attribute>
```

Attribute data_type_and_default_define / @default

Namespace	No namespace	
Used by	Complex Type	data_type_and_default_define
Source	<pre><xs:attribute name="</pre></td><td>'default"></xs:attribute></pre>	

Attribute data_type_and_default_define / @size

Namespace	No namespace	
Type	positive_integer_define	
Properties	content:	simple
Facets	minInclusive	1
Used by	Complex Type	data_type_and_default_define
Source	<xs:attribute name="</td"><td>"size" type="positive_integer_define"/></td></xs:attribute>	"size" type="positive_integer_define"/>

Attribute parameter / @id

Namespace	No namespace	
Annotations	ID of the attribute	
Туре	id_define	
Properties	use:	required
Facets	pattern	((0?x\d+) \d+)
Used by	Element	parameter
Source	<pre><xs:annotation></xs:annotation></pre>	<pre>"id" use="required" type="id_define"> on>ID of the attribute.</pre>

Attribute parameter / @set_opcode

Namespace	No namespace	
Annotations	Opcode for setting the parameter.	
Type	id_define	

Properties	use:	required
Facets	pattern	((0?x/d+) /d+)
Used by	Element	parameter
Source	<xs:annotation></xs:annotation>	"set_opcode" use="required" type="id_define"> on>Opcode for setting the parameter.

Attribute parameter / @save_opcode

Namespace	No namespace	
Annotations	Opcode for sa	ving the parameter.
Туре	id_define	
Properties	use:	required
Facets	pattern	((0?x/d+) /d+)
Used by	Element	parameter
Source	<xs:annotat< td=""><td>entation>Opcode for saving the parameter. tion></td></xs:annotat<>	entation>Opcode for saving the parameter. tion>

Attribute parameter / @name

Namespace	No namespace	
Annotations	Parameter name	
Properties	use:	required
Used by	Element	parameter
Source	<pre><xs:attribute name="name" use="required"></xs:attribute></pre>	

Attribute parameters / @parameter_base

Namespace	No namespace	
Annotations		
Туре	base_code_define	
Properties	content:	simple
Used by	Element	parameters
Source	<pre><xs:attribute name="parameter_base" type="base_code_define"> <xs:annotation></xs:annotation></xs:attribute></pre>	

Attribute parameters / @opcode_base

Namespace	No namespace	
Annotations		
Type	base_code_define	
Properties	content:	simple
Used by	Element	parameters
Source	<pre><xs:attribute name="opcode_base" type="base_code_define"> <xs:annotation></xs:annotation></xs:attribute></pre>	

```
<xs:documentation/>
  </xs:annotation>
  </xs:attribute>
```

Attribute arg_define / arg / @name

Namespace	No namespace	
Annotations	Name of the argument.	
Properties	use:	required
Used by	Element	arg_define/arg
Source	<pre><xs:attribute name="name" use="required"> <xs:annotation></xs:annotation></xs:attribute></pre>	

Attribute arg_define / arg / @pass_by

Namespace	No namespace	
Annotations	Defines how the an	rguments are passed.
Type	pass_by_define	
Properties	content:	simple
Facets	enumeration	reference
	enumeration	value
	enumeration	pointer
Used by	Element	arg_define/arg
Source	<pre><xs:attribute name="pass_by" type="pass_by_define"></xs:attribute></pre>	

Attribute arg_define / arg / @comment

Namespace	No namespace	
Annotations	Comments about the	argument.
Туре	xs:string	
Properties	content:	simple
Used by	Element	arg_define/arg
Source	<pre><xs:attribute name="comment" type="xs:string"> <xs:annotation> <xs:documentation>Comments about the argument.</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute type_size_choice_define / @data_type

Namespace	No namespace	
Туре	union of(xs:string, restriction of xs:token, restriction of xs:token)	
Properties	content:	simple
Used by	Attribute Group	type_size_choice_define
Source	Attribute Group type_size_choice_define <xs:attribute name="data_type"></xs:attribute>	

Attribute type_size_choice_define / @type

Namespace	No namespace	
Type	union of(xs:string, restriction of xs:token, restriction of xs:token)	
Properties	content: simple	
Used by	Attribute Group	type_size_choice_define
Source	<pre><xs:simplet <="" <xs:enum="" <xs:restr="" <xs:restr<="" <xs:simplet="" pre="" xs:restr="" xs:simple=""></xs:simplet></pre>	<pre>cherTypes="xs:string"> type> tiction base="xs:token"> tmeration value="string"/> triction> triction> trype> type> type> tiction base="xs:token"> trype> type> tiction base="xs:token"> tmeration value="ENUM"/> triction> triction> trype></pre>

Attribute type_size_choice_define / @size

Namespace	No namespace	
Annotations	The size of the ar	gument.
Туре	xs:nonNegativeInteger	
Properties	content:	simple
Used by	Attribute Group	type_size_choice_define
Source	<pre><xs:attribute name="size" type="xs:nonNegativeInteger"> <xs:annotation></xs:annotation></xs:attribute></pre>	

Attribute return / @name

Namespace	No namespace		
Annotations	Name of the argument.		
Used by	Element return		
Source	<pre><xs:attribute name="name"> <xs:annotation> <xs:documentation>Name of the argument.</xs:documentation> </xs:annotation> </xs:attribute></pre>		

Attribute return / @pass_by

Namespace	No namespace	
Annotations	Defines how the arguments are passed.	
Type	pass_by_define	
Properties	content:	simple
Facets	enumeration	reference
	enumeration	value
	enumeration	pointer

U	sed by	Element	return
Se	ource	<xs:annotation></xs:annotation>	"pass_by" type="pass_by_define"> on>Defines how the arguments are passed.

Attribute return / @comment

Namespace	No namespace			
Annotations	Comments about the argument.			
Type	xs:string			
Properties	content: simple			
Used by	Element return			
Source	<pre><xs:attribute name="comment" type="xs:string"> <xs:annotation> <xs:documentation>Comments about the argument.</xs:documentation> </xs:annotation> </xs:attribute></pre>			

Attribute external_arg_define / arg / @name

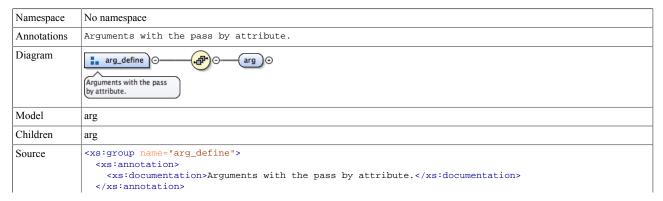
Namespace	No namespace			
Annotations	Name of the argument.			
Properties	use:	required		
Used by	Element	external_arg_define/arg		
Source	<pre><xs:attribute name="name" use="required"></xs:attribute></pre>			

Attribute external_arg_define / arg / @comment

Namespace	No namespace			
Annotations	Comments about the argument.			
Туре	xs:string			
Properties	content:	simple		
Used by	Element	external_arg_define/arg		
Source	<pre><xs:attribute name="comment" type="xs:string"> <xs:annotation> <xs:documentation>Comments about the argument.</xs:documentation> </xs:annotation> </xs:attribute></pre>			

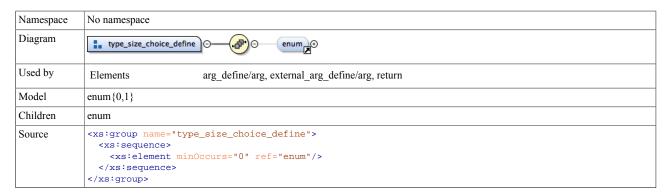
Element Group(s)

Element Group arg_define

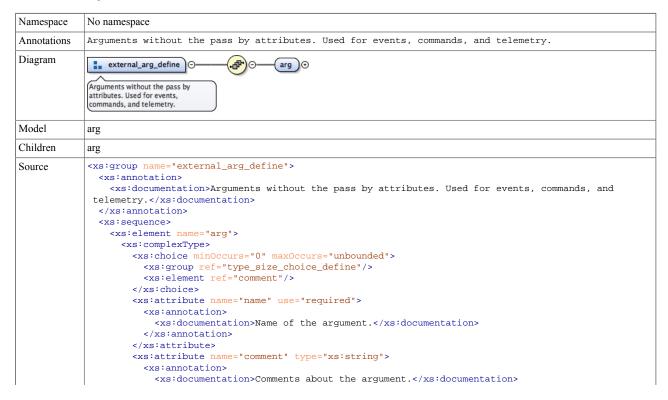


```
<xs:sequence>
   <xs:element name="arg">
     <xs:complexType>
       <xs:choice minOccurs="0" maxOccurs="unbounded">
         <xs:group ref="type_size_choice_define"/>
          <xs:element ref="comment"/>
        </xs:choice>
        <xs:attribute name="name" use="required">
         <xs:annotation>
            <xs:documentation>Name of the argument.</xs:documentation>
         </xs:annotation>
        <xs:attribute name="pass_by" type="pass_by_define">
         <xs:annotation>
            <xs:documentation>Defines how the arguments are passed./xs:documentation>
        </xs:attribute>
        <xs:attribute name="comment" type="xs:string">
         <xs:annotation>
            <xs:documentation>Comments about the argument.</xs:documentation>
          </xs:annotation>
        </xs:attribute
        <xs:attributeGroup ref="type_size_choice_define"/>
      </xs:complexType>
   </xs:element>
  </xs:sequence>
</xs:group>
```

Element Group type_size_choice_define



Element Group external_arg_define



Attribute Group(s)

Attribute Group type_size_choice_define

