Schema documentation for parameters_schema.xsd

august 31, 2016

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 Attribute parameter / @set_opcode .....
 Attribute parameter / @save_opcode .....
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 Attribute type_size_choice_define / @size .....
 Attribute return / @name .....
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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

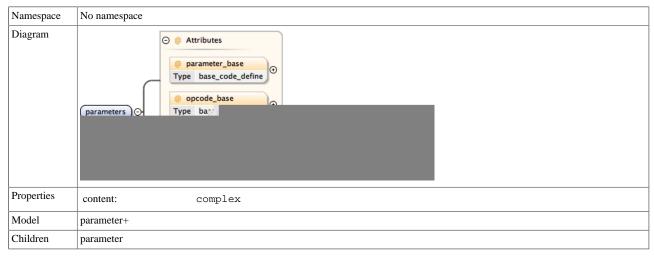
Namespace	No namespace	
Properties	attribute form default:	unqualified
	element form default:	qualified

Included schema common_types.xsd

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

Element(s)

Element parameters



```
<parameters opcode_base="" parameter_base="">
    <parameter data_type="" default="" id="" name="" save_opcode="" set_opcode="" size="">{1,unbounded}
Instance
             parameter>
             </parameters>
Attributes
              QName
                                          Type
                                                                      Use
              opcode_base
                                          base_code_define
                                                                      optional
              parameter_base
                                          base_code_define
                                                                      optional
Source
             <xs:element name="parameters">
               <xs:complexType>
                  <xs:sequence>
                    <xs:element maxOccurs="unbounded" ref="parameter"/>
                  </xs:sequence>
                  <xs:attribute name="parameter_base" type="base_code_define">
                    <xs:annotation>
                      <xs:documentation/>
                    </xs:annotation>
                  </xs:attribute>
                  <xs:attribute name="opcode_base" type="base_code_define">
                    <xs:annotation>
                      <xs:documentation/>
                    </xs:annotation>
                  </xs:attribute>
                </xs:complexType>
              </xs:element>
```

Element parameter

Namespace	No namespace					
Annotations	Parameter definition	Parameter definition.				
Diagram	So the control of the					
Туре	extension of data_type_a	nd_default_define				
Type hierarchy	data_type_and_default	_define				
Properties	content:	complex				
Used by	Element	parameters				
Model	enum{0,1}, comment	enum{0,1}, comment				
Children	comment, enum					
Instance	<enum name="">{0,</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			

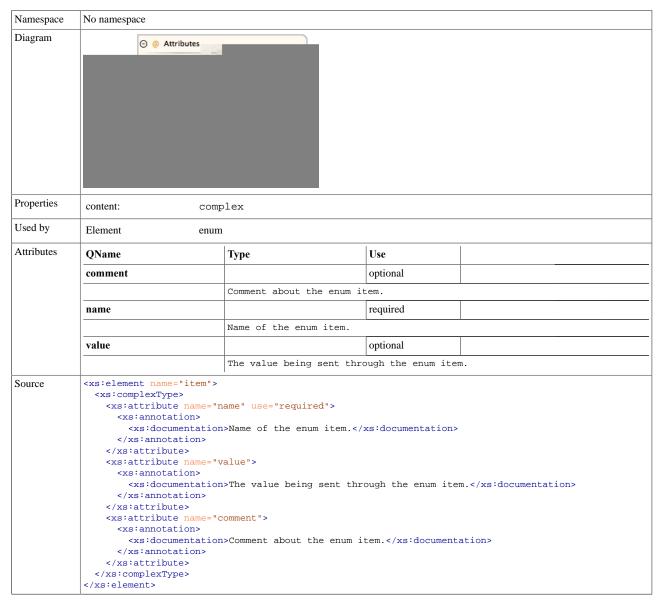
QName	Type	Use	
	restriction of xs:token,		
	restriction of xs:token)		
default		optional	
id	id_define	required	
	ID of the attribute.		
name		required	
	Parameter name		
save_opcode	id_define	required	
	Opcode for saving the par	rameter.	
set_opcode	id_define	required	
	Opcode for setting the pa	arameter.	
size	positive_integer_define	optional	
<pre><xs:element name="parameter"> <xs:annotation></xs:annotation></xs:element></pre>			

Element enum

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

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

Element item

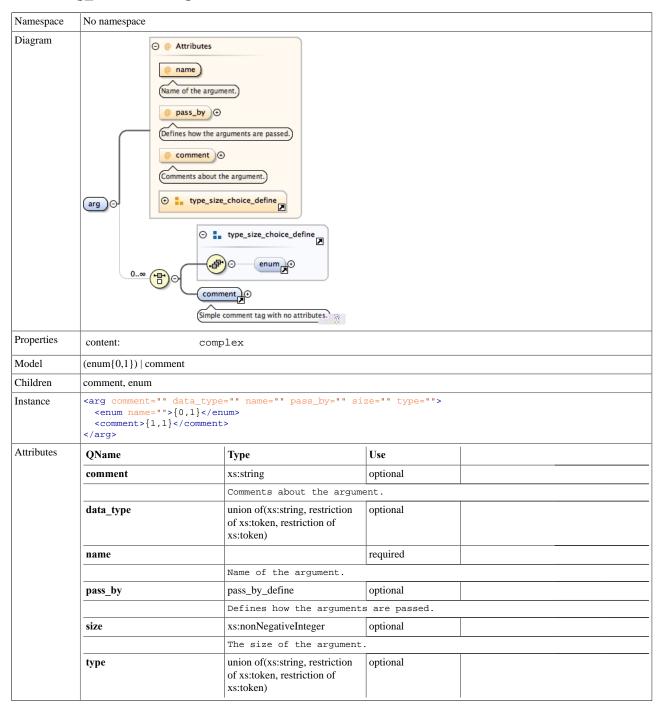


Element comment

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



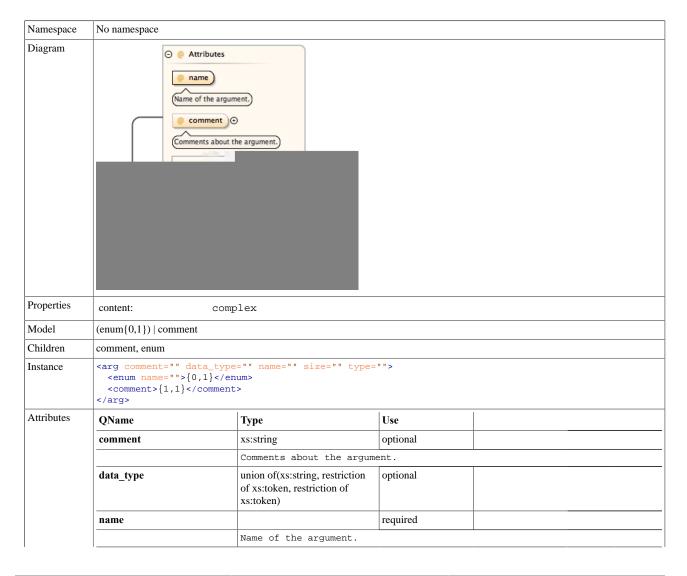
```
<xs:element name="arg">
Source
              <xs:complexType>
                <xs:choice minOccurs="0" maxOccurs="unbounded">
                  <xs:group ref="type_size_choice_define"/>
                  <xs:element ref="comment"/>
                </xs:choice>
                <xs:attribute name="name" 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	comments abo comments abo in type	gument.) (⊙ e arguments are passed.)		
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	Туре	Use	
	comment	xs:string	optional	
		Comments about the argum	nent.	
	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 argument	s are passed.	
	size	xs:nonNegativeInteger	optional	

	QName	Type	Use		
		The size of the argument	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="" name="r <xs:attribute name=" r="" xs:attribute=""> <xs:attribute <="" <xs:attribute="" c="" name="c <xs:attribute <xs:attribute name=" pre="" xs:attribute<=""> </xs:attribute></xs:attribute></xs:group></pre>	="0" maxOccurs="unbounded" e_size_choice_define"/> pmment"/>	s:documentation> ine"> s are passed. <td></td>		

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></pre>			

Complex Type(s)

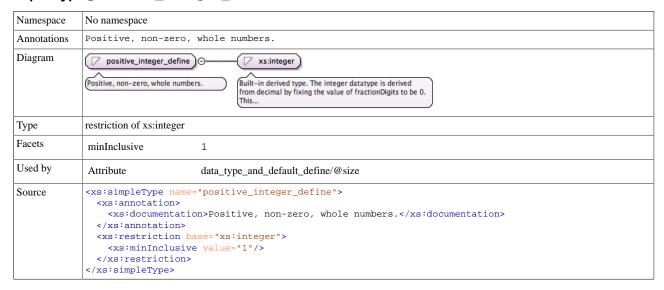
${\bf Complex\;Type\; {\tt data_type_and_default_define}}$

Namespace	No namespace			
Annotations	Makes attribute pair choices to match data type with default value.			
Diagram	© ⊕ Archon			
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:annotation <="" <xs:annotati="" <xs:annotati<="" <xs:document="" <xs:sequence="" m="" pre="" xs:annotatic="" xs:documentation=""></xs:annotation></pre>	<pre>ation>Makes attribute pair choice >> on> ainOccurs="0"> .on> entation>Enum pair.</pre>	es to match data	a type with default value. </td

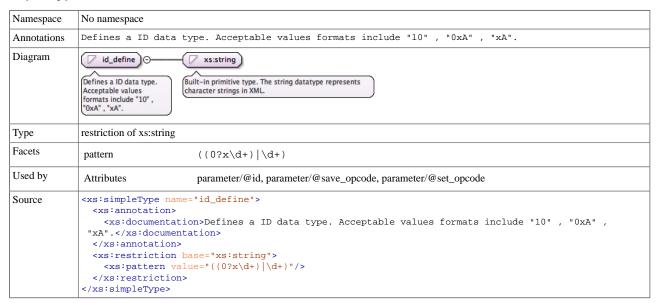
```
</xs:sequence>
  <xs:attribute name="data_type" use="required">
   <xs:simpleType>
     <xs:union memberTypes="not_user_cpp_type_define">
       <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="ENUM"/>
          </xs:restriction>
        </xs:simpleType>
        <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)

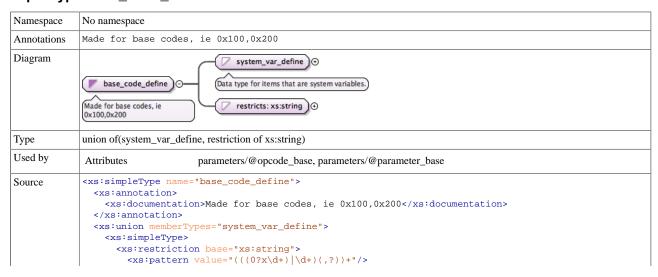
Simple Type positive_integer_define



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 var	riable is being passed.
Diagram	pass_by_define Oefines how the variable is being passed.	Sullt-in derived type. The token datatype represents
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

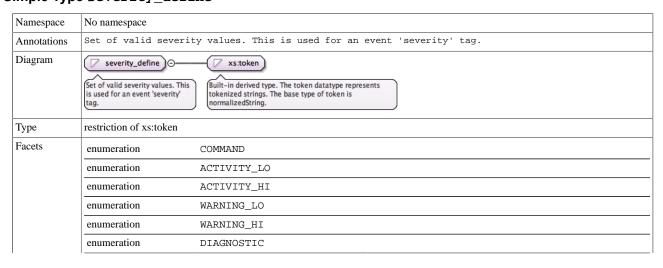
Namespace	No namespace		
Annotations	Choice for component roles.		
Diagram			
Туре	restriction of xs:token		
Facets	enumeration LogEvent		

	enumeration	LogTextEvent
	enumeration	TimeGet
	enumeration	ParamSet
	enumeration	ParamGet
	enumeration	Telemetry
	enumeration	CmdRegistration
	enumeration	Cmd
	enumeration	CmdResponse
Source	<pre><xs:annotation> <xs:documentatio <="" xs:annotation=""> <xs:restriction <xs:enumeration="" <xs:enumeration<="" book="" pre=""></xs:restriction></xs:documentatio></xs:annotation></pre>	<pre>value="LogEvent"/> value="LogTextEvent"/> value="TimeGet"/> value="ParamSet"/> value="ParamGet"/> value="TimeGet"/> value="CmdRegistration"/> value="Cmd"/> value="CmdResponse"/></pre>

Simple Type channel_update_define



Simple Type severity_define



```
enumeration
                                                                                                                                                                           {\tt FATAL}
Source
                                                                <xs:simpleType name="severity_define">
                                                                          <xs:annotation>
                                                                                    \verb|\scale=| xs: \verb|\scale=| an event 's everity' tag. </| A second that the second is a second to the second in th
                                                                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

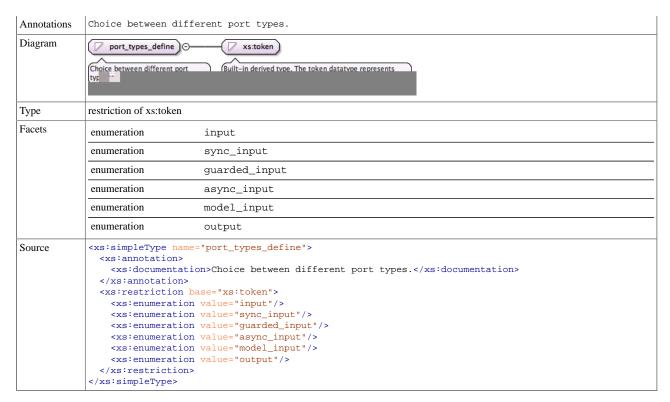
Namespace	No namespace		
Annotations	Choice between different command kinds.		
Diagram	Choice between different command kinds. Built-in derived type. The token datatype represents tokenized strings. The base type of token is normalizedString.		
Туре	restriction of xs:token		
Facets	enumeration async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

Simple Type component_types_define

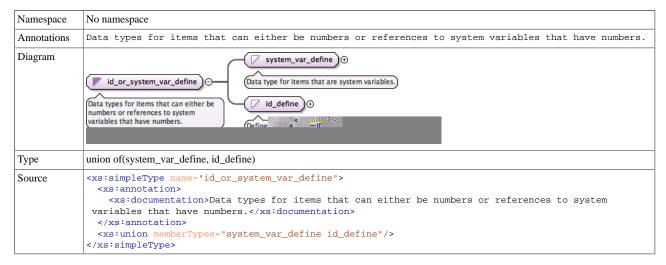
Namespace	No namespace		
Annotations	Choice between active, passive, or queued.		
Diagram	component types de		
Туре	restriction of xs:token		
Facets	enumeration	active	
	enumeration	passive	
	enumeration	queued	
Source	<pre><xs:simpletype name="component_types_define"></xs:simpletype></pre>		

Simple Type port_types_define

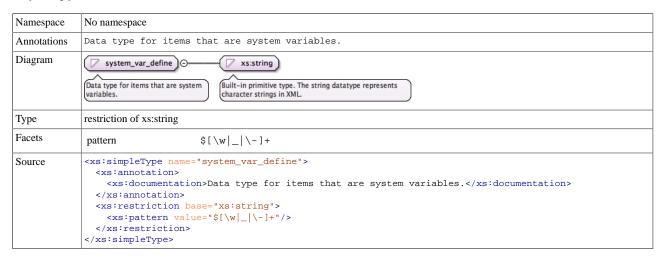
Namespace	No namespace
-----------	--------------



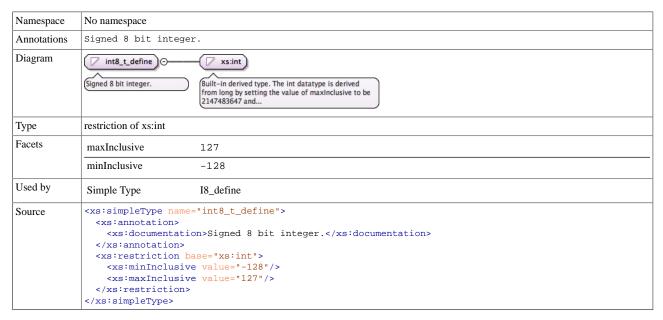
Simple Type id_or_system_var_define



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		
Туре	restriction of xs:unsig	gnedByte	
Facets	maxInclusive	255	
	minInclusive	0	
Used by	Simple Type	U8_define	
Source	<pre><xs:simpletype name="uint8_t_define"> <xs:annotation> <xs:documentation>Unsigned 8 bit integer</xs:documentation> </xs:annotation> <xs:restriction base="xs:unsignedByte"> <xs:mininclusive value="0"></xs:mininclusive> <xs:maxinclusive value="255"></xs:maxinclusive> </xs:restriction> </xs:simpletype></pre>		

Simple Type int16_t_define



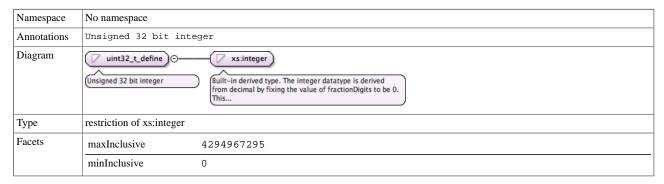
Simple Type uint16_t_define



Simple Type int32_t_define

Namespace	No namespace	
Annotations	Signed 32 bit inte	eger.
Diagram	int32_t_define O— Signed 32 bit integer.	xs: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:integer	r
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
```

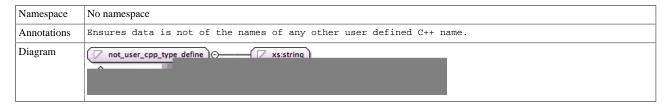
Simple Type int64_t_define

Namespace	No namespace	
Annotations	Signed 64 bit integ	ger.
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:integer	
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



Simple Type not_user_cpp_type_define



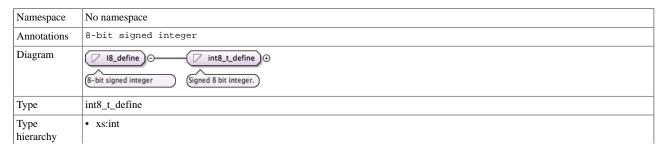
Simple Type NATIVE_INT_TYPE_define

Namespace	No namespace		
Annotations	native integer type declaration		
Diagram	NATIVE_INT_TYPE_define ○ ✓ int32_t_define (native integer type declaration (Signed 32 bit integer.)		
Туре	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:annotation></xs:annotation></xs:simpletype></pre>		

Simple Type NATIVE_UINT_TYPE_define

Namespace	No namespace		
Annotations	native unsigned integer type declaration		
Diagram	NATIVE_UINT_TYPE_		
Туре	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	<pre><xs:simpletype name="I8_define"></xs:simpletype></pre>

Simple Type ${\tt U8_define}$

Namespace	No namespace	
Annotations	8-bit unsigned integer	
Diagram	U8 define	— □ uint8 t define] ①
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_define U8_define □ U8_bi	
Туре	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.
Туре	int16_t_define
Type hierarchy	 xs:int int16_t_define I16_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 uint16_t_define 16-bit unsigned integer Unsigned 16 bit integer	
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:annotation> <xs:documentation>16-bit unsigned integer</xs:documentation> </xs:annotation> <xs:restriction base="uint16_t_define"></xs:restriction> </xs:simpletype></pre>	

Simple Type I32_define

Namespace	No namespace
Annotations	32-bit signed integer
Diagram	32-bit signed integer (Signed 32 bit integer.)
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:simpletype></pre>

Simple Type U32_define

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

Annotations	16-bit unsigned i	nteger
Diagram	U32_define O	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:documentation>16-bit unsigned integer</xs:documentation> </xs:annotation> <xs:restriction base="uint32_t_define"></xs:restriction> </xs:simpletype></pre>	

Simple Type 164_define

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

Attribute(s)

Attribute item / @name

Namespace	No namespace		
Annotations	Name of the enum	Name of the enum item.	
Properties	use:	required	
Used by	Element	item	
Source	<pre><xs:attribute name="name" use="required"> <xs:annotation></xs:annotation></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: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.	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	restriction of xs:token	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		e="data_type" use="required">				
	<pre><xs:simpletype></xs:simpletype></pre>					
		berTypes="not_user_cpp_type_define">				
	<xs:simpletype></xs:simpletype>					
	<pre><xs:restriction base="xs:token"></xs:restriction></pre>					
	<pre><xs:enumeration value="ENUM"></xs:enumeration></pre>					
	<td></td>					
	<td></td>					
	<xs:simplet< td=""><td></td></xs:simplet<>					
		iction base="xs:token">				
	<pre><xs:enumeration value="string"></xs:enumeration> </pre>					
	<pre> <pre> <pre> <pre> <pre></pre> <pre></pre></pre></pre></pre></pre>					
	<xs:simpletype></xs:simpletype>					
		iction base="xs:token">				
	<pre><xs:enumeration value="I8"></xs:enumeration> </pre>					
	<xs:simpletype></xs:simpletype>					
	<pre><xs:restriction base="xs:token"></xs:restriction></pre>					
	<pre><xs:enumeration value="U8"></xs:enumeration></pre>					
	<xs:simplet< td=""><td></td></xs:simplet<>					
	<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><xs:enumeration value="116"></xs:enumeration></pre>					
	<td></td>					
	<td>Type></td>	Type>				
	<xs:simplet< td=""><td></td></xs:simplet<>					
		iction base="xs:token">				
	<xs:enu< td=""><td>meration value="U16"/></td></xs:enu<>	meration value="U16"/>				
	<td></td>					
	<td>Type></td>	Type>				
	<xs:simplet< td=""><td></td></xs:simplet<>					
	_	iction base="xs:token">				
	<xs:enu< td=""><td>meration value="I32"/></td></xs:enu<>	meration value="I32"/>				
	<td>riction></td>	riction>				
	<xs:simpletype></xs:simpletype>					
	<xs:restr< td=""><td colspan="4"><pre><xs:restriction base="xs:token"></xs:restriction></pre></td></xs:restr<>	<pre><xs:restriction base="xs:token"></xs:restriction></pre>				
		meration value="U32"/>				
	<td>riction></td>	riction>				
	<td>Type></td>	Type>				
	<xs:simplet< td=""><td>'ype></td></xs:simplet<>	'ype>				
	<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></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><xs:enumeration value="I64"></xs:enumeration></pre>				
	<td></td>					

```
</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"></xs:attribute></pre>	default"/>

Attribute data_type_and_default_define / @size

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

Attribute parameter / @id

Namespace	No namespace		
Annotations	ID of the att:	ribute.	
Туре	No drafimespace		
Properties	use:	required	
Facets	pattern	((0?x/d+) /d+)	
Used by	Element	parameter	
Source		<pre>name="id" use="required" type="id_define"> .052001952 0 rg 1 0 0 -1 79.80000305 8.35200075200016.375 0.25 cm 0 1 -1 0 0 0 cm 0 0 m 0</pre>	0 -0.25 1 18.

/ Y . X58 58 D5 .

Properties	use:	required
Facets	pattern	((0?x\d+) \d+)
Used by	Element	parameter
Source	<pre><xs:attribute name="set_opcode" type="id_define" use="required"> <xs:annotation></xs:annotation></xs:attribute></pre>	

Attribute parameter / @save_opcode

Namespace	No namespace		
Annotations	Opcode for sa	Opcode for saving the parameter.	
Туре	id_define	id_define	
Properties	use:	required	
Facets	pattern	((0?x\d+) \d+)	
Used by	Element	parameter	
Source	<pre><xs:attribute name="save_opcode" type="id_define" use="required"> <xs:annotation> <xs:documentation>Opcode for saving the parameter.</xs:documentation> </xs:annotation> </xs:attribute></pre>		

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:annotation> <xs:documentation>Parameter name</xs:documentation> </xs:annotation> </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 <="" <xs:annotation:="" <xs:documentation="" nat="" xs:annotation="" xs:attribute=""></xs:attribute></pre>	ation/>

Attribute parameters / @opcode_base

Namespace	No namespace	
Annotations		
Туре	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:attribute></pre>	

Attribute arg_define / arg / @pass_by

Namespace	No namespace	
Annotations	Defines how the a	rguments are passed.
Туре	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	<pre><xs:simple7 <="" <xs:entr="" <xs:restr="" pre="" xs:restr="" xs:simple7<=""></xs:simple7></pre>	<pre>chberTypes="xs:string"> chberTypes="xs:string"> chipe> ciction base="xs:token"> chimeration value="string"/> criction> criction></pre>

Attribute type_size_choice_define / @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	<pre><xs:simplet <xs:restr:<="" td=""><td><pre>berTypes="xs:string"> ype> iction base="xs:token"> meration value="string"/> riction> Type> ype> iction base="xs:token"> meration value="ENUM"/> riction> Type> ype> iction base="xs:token"> meration value="ENUM"/> riction> Type></pre></td></xs:simplet></pre>	<pre>berTypes="xs:string"> ype> iction base="xs:token"> meration value="string"/> riction> Type> ype> iction base="xs:token"> meration value="ENUM"/> riction> Type> ype> iction base="xs:token"> meration value="ENUM"/> riction> Type></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:documentation>The size of the argument.</xs:documentation> </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.	
Туре	pass_by_define	
Properties	content:	simple
Facets	enumeration	reference
	enumeration	value
	enumeration	pointer

Į	Jsed by	Element	return
5	ource	<pre><xs:annotation></xs:annotation></pre>	"pass_by" type="pass_by_define"> on>Defines how the arguments are passed.

Attribute return / @comment

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

Attribute external_arg_define / arg / @name

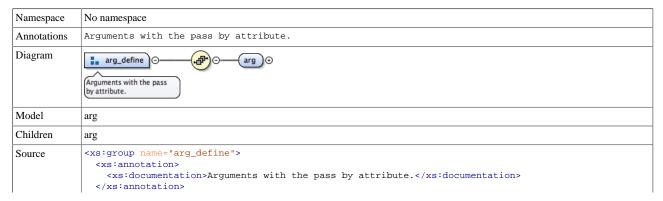
Namespace	No namespace	
Annotations	Name of the argument.	
Properties	use:	required
Used by	Element	external_arg_define/arg
Source	<pre><xs:attribute name="name" use="required"> <xs:annotation> <xs:documentation>Name of the argument.</xs:documentation> </xs:annotation> </xs:attribute></pre>	

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



Schema documentation for parameters_schema.xsd



Attribute Group(s)

Attribute Group type_size_choice_define

Namespace	No namespace					
Diagram	type_size_choice_define					
Used by	Elements arg_define/arg, external_arg_define/arg, return					
Attributes	QName	Туре	Use			
	data_type	union of(xs:string, restriction of xs:token, restriction of xs:token)	optional			
	size	xs:nonNegativeInteger	optional			
		The size of the argument				
	type	union of(xs:string, restriction of xs:token, restriction of xs:token)	optional			
	<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></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>					