

2.1 CSL Language rules

2.1.1 Design:

Declaration/Definition:

- csl_bitrange
- csl_enum
- csl_event
- csl_field
- csl_fifo
- csl_interface
- csl_isa_field
- csl_isa_element
- csl_list
- csl_memory
- csl_memory_map
- csl_memory_map_page
- csl_multi_dim_bitrange
- csl_port
- csl_register
- csl_register_file
- csl_signal
- csl_signal_group
- csl_signal_pattern_generator
- csl_state_data
- csl_testbench
- csl_unit
- csl_vector

csl_bitrange:

declaration/definition: none
instantiate: none

csl_enum:

declaration/definition: none
instantiate: none

csl_event:

declaration/definition: none
instantiate: none

csl_field:[illegible]**csl_fifo:**

```

declaration/definition: csl_list
instantiate: none

```

csl_interface:

```
declaration/definition: csl_bitrange  
                        csl_field(not as scope holder)  
                        csl_list  
                        csl_multi_dim_bitrange  
                        csl_port  
instantiate: csl_interface
```

csl_isa_field:[illegible]**csl_isa_element:**

```

declaration/definition: csl_isa_field(not as scope holder)
                        csl_list
instantiate: csl_isa_field

```

csl_list:

```

declaration/definition: none
instantiate: none

```

csl_memory:

```
declaration/definition: csl_list
instantiate: none
```

csl_memory_map:

```

declaration/definition: csl_list
instantiate: csl memory map page

```

csl_memory_map_page:

```

declaration/definition: csl_list
instantiate: csl_memory_map_page

```

csl_multi_dim_bitrange:

```

declaration/definition: none
instantiate: none

```

```

declaration/definition: none
instantiate: none

```

[illegible]

```

declaration/definition: csl_list
instantiate: none

```

```

declaration/definition: none
instantiate: none

```

```

declaration/definition: csl_bitrange
                        csl_field(not as scope holder)
                        csl_list
                        csl_multi_dim_bitrange
                        csl_signal

instantiate: csl_signal_group

```

```

declaration/definition: none
instantiate: none

```

```

declaration/definition: none
instantiate: none

```

```

declaration/definition: csl_bitrange
                        csl_field(not as scope holder)
                        csl_list
                        csl_multi_dim_bitrange
                        csl_signal
                        csl_port
                        csl_vector

instantiate: csl_interface
              csl_signal_group
              csl_state_data
              csl_unit

```

csl_unit:

declaration/definition: csl_bitrange
 csl_field(not as scope holder)
 csl_list
 csl_multi_dim_bitrange
 csl_signal
 csl_port

instantiate: csl_field
 csl_fifo
 csl_interface
 csl_memory
 csl_register
 csl_register_file
 csl_signal_group
 csl_unit

csl_vector:

declaration/definition: csl_port
 csl_signal

instantiate: csl_interface
 csl_signal
 csl_state_data