VciAvalonInitiatorWrapper

1) Functional Description

This hardware component connects a VCI initiator to an AVALON interconnect. It can be used in conjunction with the Vci Avalon Target Wrapper component to build an AVALON interconnect. It is compliant with the BVCI protocol. (limitations ?..)

2) Component definition & usage

source:trunk/soclib/soclib/module/network_component/vci_avalon_initiator_wrapper/caba/metadata/vci_avalon_initiator_wra

```
Uses( 'vci_avalon_initiator_wrapper', **vci_parameters, **avalon_parameters )
```

See SoclibCc/VciParameters and SoclibCc/AvalonParameters

3) CABA Implementation

CABA sources

- interface : source:trunk/soclib/soclib/module/network_component/vci_avalon_initiator_wrapper/caba/source/include/vci_avalon
- implementation : source:trunk/soclib/soclib/module/network_component/vci_avalon_initiator_wrapper/caba/source/src/vci_avalon_init

CABA Constructor parameters

```
VciAvalonInitiatorWrapper(sc_module_name name);   //  Instance Name
```

CABA Ports ==

- sc_in<bool> **p_resetn** : Global system reset
- sc_in<bool> **p_clk** : Global system clock
- soclib::caba::VciInitiator<vci_param> **p_vci** : port from VCI initiator
- soclib::caba::AvalonMaster<avalon_param> **p_avalon** : port to Avalon Switch Fabric

4) TLM-T Implementation

There is no TLM-T implementation for this component.