

Section 29.2

REMOVE section 29.2 completely

29.2 Extensions to VPI enumerations

29.2.1 Object types

This subclause lists the object type VPI calls.

`vpiAssertion /* assertion */`

Refer to 29.3.1 for details on how to obtain assertion handles using this object type.

29.2.2 Object properties

This subclause lists the object property VPI calls.

`/* Assertion types */`

`vpiSequenceInst`

`vpiAssert`

`vpiAssume`

`vpiCover`

`vpiPropertyInst`

`vpiImmediateAssert`

Refer to 29.3.1 for details on how to obtain handles for a specific assertion type using this object type.

29.2.3 Callbacks

This subclause lists the system callbacks. Refer to 29.4.2 for details on placing assertion callbacks, and to 29.4.1 for details on placing assertion callbacks for the assertion system.

1) Assertion

`cbAssertionStart`

`cbAssertionSuccess`

`cbAssertionFailure`

`cbAssertionStepSuccess`

`cbAssertionStepFailure`

`cbAssertionDisable`

`cbAssertionEnable`

`cbAssertionReset`

`cbAssertionKill`

2) "Assertion system"

`cbAssertionSysInitialized`

`cbAssertionSysStart`

`cbAssertionSysStop`

`cbAssertionSysEnd`

`cbAssertionSysReset`

29.2.4 Control constants

This subclause lists the system control constant callbacks. Refer to 29.5 for details on how to use

`vpi_control()` with these constants to obtain assertion control information, and control the assertion system.

1) Assertion

`vpiAssertionDisable`

`vpiAssertionEnable`

`vpiAssertionReset`

~~vpiAssertionKill~~
~~vpiAssertionEnableStep~~
~~vpiAssertionDisableStep~~

2) ~~Assertion stepping~~

~~vpiAssertionClockSteps~~

3) ~~"Assertion system"~~

~~vpiAssertionSysStart~~
~~vpiAssertionSysStop~~
~~vpiAssertionSysEnd~~
~~vpiAssertionSysReset~~