

REPLACE

30.4.4 Controlling coverage

```
vpi_control(<coverageControl>, <coverageType>, instance_handle)
vpi_control(<coverageControl>, <coverageType>, assertion_handle)
```

Controls the collection of coverage on the given instance or assertion. Note that statement, toggle and FSM coverage are not individually controllable (i.e., they are controllable only at the instance level and not on a per statement/signal/FSM basis). The semantics and behavior are as per the \$coverage_control system function (see 30.2.2.1). *coverageControl* is one of vpiCoverageStart, vpiCoverageStop, vpiCoverageReset or vpiCoverageCheck, as defined in 30.4.2. *coverageType* is any one of the VPI coverage type properties (see 30.4.2)

```
vpi_control(<coverageControl>, <coverageType>, name)
```

This saves or merges coverage into the current simulation. The semantics and behavior are specified as per the equivalent system functions \$coverage_merge (see 30.2.2.4) and \$coverage_save (see 30.2.2.5). *coverageControl* is one of vpiCoverageMerge or vpiCoverageSave, defined in 30.4.2.

WITH

30.4.4 Controlling coverage

Control of the collection of coverage shall be through the `vpi_control()` routine:

```
vpi_control(<coverageControl>, <coverageType>, instance_handle)
vpi_control(<coverageControl>, <coverageType>, assertion_handle)
```

~~Controls the collection of coverage on the given instance or assertion. Note that s~~Statement, toggle and FSM coverage are not individually controllable (i.e., they are controllable only at the instance level and not on a per ~~state-~~ment/signal/FSMstatement, signal, or FSM basis). The semantics and behavior are as per the \$coverage_control system function (see 30.2.2.1). *coverageControl* ~~is one~~ shall be vpiCoverageStart, vpiCoverageStop, vpiCoverageReset or vpiCoverageCheck, as defined in 30.4.2. *coverageType* is any one of the VPI coverage type properties (see 30.4.2)

To save coverage for the current simulation use:

```
vpi_control(<coverageControl>, <coverageType>, name)
vpi_control(vpiCoverageSave, <coverageType>, name)
```

as defined in 30.4.2. ~~This saves or merges coverage into the current simulation.~~ The semantics and behavior are specified as per the equivalent system functions ~~\$coverage_merge (see 30.2.2.4) and \$coverage_save (see 30.2.2.5).~~ *coverageControl* ~~is one of vpiCoverageMerge or vpiCoverageSave, defined in 30.4.2.~~

To merge coverage for the current simulation use:

```
vpi_control(vpiCoverageMerge, <coverageType>, name)
```

as defined in 30.4.2. The semantics and behavior are specified as per the equivalent system function \$coverage_merge (see 30.2.2.4).