

SystemVerilog Coverage Features	FC For SystemC	Comments	Unit test		Legend		
sampling by coverage event	NPTSI				NPTSI	No plan to support it	
sampling by user-defined method	YES	Users map inputs to coverpoints/crosses	random_test_1.cpp				
		coverpoint::sample() will sample all coverpoints with their associated sample expression					
sampling by implicit sample() method	YES		basic_cvp_sample_expression_test.cpp		NY	Not yet	
Covergroup							
option weight	YES		basic_cvg_weight_test.cpp				
option goal	YES		basic_cvg_goal_test.cpp				
option at_least	YES		basic_cvg_at_least_test.cpp				
option per_instance	YES	Default set to true. Can't change it.					
option get_inst_coverage	YES	Default set to true. Can't change it.					
type_option weight	YES		cvg_get_inst_coverage_test.cpp				
type_option goal	YES		basic_cvg_goal_test.cpp				
type_option merge_instances	NY	On roadmap					
type_option distribute_first	NY	On roadmap					
Coverpoint							
sampling condition (iff keyword) on coverpoint	YES		basic_cvp_sample_condition_test.cpp				
option weight	YES		basic_cvp_weight_test.cpp				
option goal	YES		basic_cvp_goal_test.cpp				
option at_least	YES		basic_cvp_at_least_test.cpp				
type_option weight	NY						
type_option goal	NY						
Bin							
bins	YES						
bins array	YES						
ignore_bins	YES						
illegal_bins	YES						
default bins	NY						
transition coverage	NY						
Cross							
option weight	YES		basic_cross_options_test.cpp				
option goal	YES		basic_cross_options_test.cpp				
option at_least	YES		basic_cross_options_test.cpp				
binsof & intersect keywords	NY						
with keyword	NY						
SystemVerilog Coverage API							
double get_inst_coverage()	YES		cvg_get_inst_coverage_test.cpp				
double get_inst_coverage(int&, int&)	YES		cvg_get_inst_coverage_test.cpp				
void start()	YES		basic_control_test.cpp				
void stop()	YES		basic_control_test.cpp				
double get_coverage()	YES						
double get_coverage(int&, int&)	YES						
SystemVerilog Coverage System Functions							
\$coverage_save	YES	fc4sc::global_access::coverage_save(std::ostream&) fc4sc::global_access::coverage_save(const std::string&)					
\$coverage_merge	NY	See roadmap					
\$coverage_get_max	NO	See static API of fc4sc::global_access					
\$coverage_get	NO	See static API of fc4sc::global_access					
\$coverage_control	NO	See static API of fc4sc::global_access					
Database Generation and Reporting							
Generate UCISDB report	YES						
Visualize UCISDB report	YES						
Generate JSON report	NY						