SystemVerilog Coverage Features	FC For SystemC	Comments	Unit test		Legend	
sampling by coverage event	NPTSI			**NPTSI**	No plan to support it	
sampling by implicit sample() method	NO	Users must always define the sample method		**NY**	Not yet	
sampling by user-defined method	YES	Users map inputs to coverpoints/crosses	random_test_1.cpp			
sampling condition (iff keyword) on coverpoint	NY	Can be implemented using lambda functions maybe				
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						
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					