

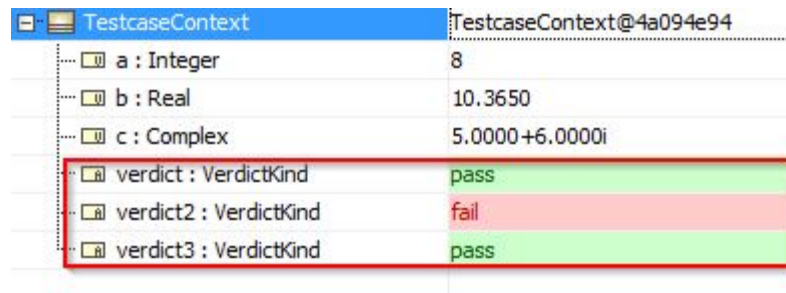
Test case verdict

A testcase is one kind of Behavior Classifier. It can be a class, Behavior, activity, or operation. Since a test case is a SysML element, you need to load a SysML profile into your model to run it. Cameo Simulation Toolkit supports testcase verdicts.

A verdict kind is an Enumeration value in SysML. It can be error, inconclusive, pass, or fail. Cameo Simulation Toolkit automatically assigns either **Pass** or **Fail** as the verdict value to a Testcase. If a constraint in the test case (pre/post conditions, state invariants) is not satisfied in a model execution, Cameo Simulation Toolkit will automatically generate a fail verdict value for the Behavior return parameter, terminate the Behavior simulation, and return the value.

If the "constraint as a breakpoint" option is used in the simulation, whenever the constraint fails, evaluation will stop and will be highlighted in the model, and you will see the message in red in the **Variables** pane. The requirement will be highlighted as well so that you can see what is wrong and navigate to the requirement.

Cameo Simulation Toolkit will generate a Pass verdict value after the simulation terminates if there is no constraint fails. If a constraint fails, the simulation will pause, and you will get a Fail verdict value in the **Console** pane, but you can always resume the simulation afterwards.



The screenshot shows a console window titled 'TestcaseContext' with a sub-header 'TestcaseContext@4a094e94'. It displays a list of variables and their values. The variables are: 'a : Integer' with value '8', 'b : Real' with value '10.3650', 'c : Complex' with value '5.0000+6.0000i', 'verdict : VerdictKind' with value 'pass', 'verdict2 : VerdictKind' with value 'fail', and 'verdict3 : VerdictKind' with value 'pass'. The 'verdict' and 'verdict3' rows are highlighted in green, while the 'verdict2' row is highlighted in red. A red rectangular box is drawn around the three verdict rows.

TestcaseContext	
TestcaseContext@4a094e94	
U a : Integer	8
U b : Real	10.3650
U c : Complex	5.0000+6.0000i
A verdict : VerdictKind	pass
A verdict2 : VerdictKind	fail
A verdict3 : VerdictKind	pass

Simulation console showing constraints that have been evaluated.

Related page

- [Supported SysML elements](#)