

| Error description | Error time-frame |
|---|------------------|
| Assignment to overlapping bitfields | Static |
| Assignment to overlapping slices | Hybrid |
| Circular definitions | Static |
| Accessing undeclared identifiers or fields | Static |
| Re-declaring identifiers | Static |
| Assigning a type to another type whose shape/domain do not correspond/subsumes the other domain | Static |
| Invalid typing assertion (e.g. 1 as boolean) | Static |
| Invalid types for a primitive operator | Static |
| Initialisation of constant with a non-compile time constant expression | Static |
| Initialisation of config with a execution-time only expression | Static |
| Impure definition where a pure one was expected | Static |
| No least common ancestor | Static |
| Inability to resolve subprogram from call – too many candidates | |
| Attempt to assign to immutable storage | Static |
| Setter without corresponding getter | Static |
| Missing return statement | Static |
| Illegal return statement (attempt to return from a procedure) | Static |
| Use of unconstrained integer where a constrained integer was expected (e.g., in a constraint) | Static |
| A parameter without a matching declaration | Static |
| Bitvector lengths mismatch | Static |
| Defining an identifier that's a reserved keyword in the language | Static |
| Bitslice indices out of bounds (based on constraint of indices) | Dynamic |
| Bitslice range out of bound or width negative | Dynamic |
| Array indices out of bounds (based on constrain of indices) | Dynamic |
| Array range out of bounds or negative length | Dynamic |
| Division (and modulo) by zero and a couple more errors with basic operations that require operands to be non-negative or positive | Dynamic |
| Assertion failure | Dynamic |
| No matching term in a case statement | Dynamic |
| Uncaught specification exceptions | Dynamic |
| Loop without static bound | Warning |
| Loop escaping its bound | Dynamic |
| Recursion without static bound | Warning |
| Recursion escaping its bound | Dynamic |
| ATC failure on constraints | Dynamic |
| Side effect error (e.g. using a side-effecting expression in an assert) | Static |
| a range constraint a..b has a greater than b, e.g., 4..1 | Not implemented |
| Specification without a 'main' function declared | Dynamic |
| Bitfields in the same scope of a bitvector type declaration must match positions | Static |
| tuple itemN out of bounds | Static |