

Scope reports

[/What does CADiZ do?](#)

This page is intended just to be skimmed through to give a flavour of what cadiz does. It lists the scope reports that may be emitted by cadiz, including reports about Z, about tactics, and about the compliance notation (Knuth web and SPARK). Many of the reports are accompanied by the name that is in error, in addition to information about where the mistake is. The list is not guaranteed to be up-to-date. There is a separate tutorial on [correcting errors in Z specifications](#).

Generic parameters must be declared with generic operator

Multiple declarations of generic parameter

Undeclared name

Declaration is not a type

declsbefore should be bound to a decls joker

declsafter should be bound to a decls joker

typeof should be bound to a type joker

declof should be bound to a decl joker

decnof should be bound to a decn joker

Slot number not declared

Only one name may be declared

Word already has an associated format string

Multiple global declarations of name

Warning: generic parameter is not used

Precedence %d already used by %s with different associativity

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Recursive import of section

Multiple imports of section

Section has same name as another

Cannot find declaration of abbreviation

Type abbreviation should be a generic abbreviation definition

Type abbreviation should denote a set

Type abbreviation cannot have unused generic parameter

Tame generic function cannot also be a type abbreviation

Cannot find declaration of tame generic function

Declaration in tame directive is not a generic function

Type abbreviation cannot also be a tame generic function

Variable in frame not declared

Multiple occurrences in frame of variable

No until clause exists for this statement

Illegal return statement in package body

Illegal return statement in procedure body

Loop body must be a specification statement

Multiple declarations of variable

Multiple declarations of parameter

Multiple bindings of same name

Multiple conjectures with same name

Component of theta undeclared in this context

Component of schema predicate undeclared in this context

Component in theta has inappropriate declaration in this context

Component in schema predicate has inappropriate declaration in this context

Can't select item %ld from %ld-tuple

Selection must be from schema not link
 Selected name not found in binding
 Wrong number of expressions in instantiation
 Warning: Identifier to be renamed is not declared
 Multiple renamings of same name
 Same name used twice in renaming
 Name to be hidden is not declared
 Multiple hidings of same name
 Warning: all names hidden
 Warning: name '' in schema composition cannot match
 Warning: name ' in schema composition not matched
 Warning: no '-prev pairs in schema composition
 Warning: name !! in schema piping cannot match
 Warning: name ! in schema piping not matched
 Warning: name ?? in schema piping cannot match
 Warning: name ? in schema piping not matched
 Warning: no !-? pairs in schema piping
 Warning: no declarations hidden by schema projection
 Warning: no declarations projected
 Warning: no names hidden by pre schema
 Warning: all names hidden by pre schema
 Warning: post's schema has no precondition
 Warning: no next state or output names in post schema
 Warning: No formal paragraphs found in section %s (MARKUP=%s)
 Warning: nonsensical decoration
 Warning: %s are non-standard



Reference to undeclared name

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