Ada 95

The purpose of this guide is to help computer professionals produce better Ada programs by identifying a set of stylistic guidelines that will directly impact the quality of their Ada programs. This style guide is not intended to replace the Ada Reference Manual, or the Rationale, or to serve as a tutorial for the Ada programming language.

Checks

Check ID	Check Name	Supported
ADA95_2.1.1	2.1.1 Horizontal Spacing	Yes
ADA95_2.1.2	2.1.2 Indentation	Yes
ADA95_2.1.3	2.1.3 Alignment of Operators	No
ADA95_2.1.4	2.1.4 Alignment of Declarations	No
ADA95_2.1.5	2.1.5 Parameter Alignment	Yes
ADA95_2.1.6	2.1.6 Blank Lines	No
ADA95_2.1.7	2.1.7 Pagination	Yes
ADA95_2.1.8	2.1.8 Number of Statements Per Line	Yes
ADA95_2.1.9	2.1.9 Source Code Line Length	Yes
ADA95_3.1.1	3.1.1 Use of Underscores	Yes
ADA95_3.1.2	3.1.2 Numbers	Yes
ADA95_3.1.3	3.1.3 Capitalization	Yes
ADA95_3.1.4	3.1.4 Abbreviations	No
ADA95_3.2.1	3.2.1 Names	Yes
ADA95_3.2.2	3.2.2 Subtype Names	Yes
ADA95_3.2.3	3.2.3 Object Names	No
ADA95_3.2.4	3.2.4 Naming of Tagged Types and Associated Packages	No
ADA95_3.2.5	3.2.5 Program Unit Names	Yes
ADA95_3.2.6	3.2.6 Constants and Named Numbers	Yes
ADA95_3.2.7	3.2.7 Exceptions	No
ADA95_3.2.8	3.2.8 Constructors	No
ADA95_3.3.1	3.3.1 General Comments	No
ADA95_3.3.2	3.3.2 File Headers	Yes
ADA95_3.3.3	3.3.3 Program Unit Specification Headers	Yes
ADA95_3.3.4	3.3.4 Program Unit Body Headers	Yes
ADA95_3.3.5	3.3.5 Data Comments	No
ADA95_3.3.6	3.3.6 Statement Comments	No
ADA95_3.3.7	3.3.7 Marker Comments	Yes
ADA95_3.4.1	3.4.1 Declaring Types	No
ADA95_3.4.2	3.4.2 Enumeration Types	No
ADA95_4.1.1	4.1.1 Separate Compilation Capabilities	Yes

Check ID	Check Name	Supported
ADA95_4.1.2	4.1.2 Configuration Pragmas	Yes
ADA95_4.1.3	4.1.3 Subprograms	No
ADA95_4.1.4	4.1.4 Functions	No
ADA95_4.1.5	4.1.5 Packages	No
ADA95_4.1.6	4.1.6 Child Library Units	No
ADA95_4.1.7	4.1.7 Cohesion	No
ADA95_4.1.8	4.1.8 Data Coupling	Yes
ADA95_4.1.9	4.1.9 Tasks	No
ADA95_4.1.10	4.1.10 Protected Types	No
ADA95_4.2.1	4.2.1 Minimization of Interfaces	No
ADA95_4.2.2	4.2.2 Nested Packages	No
ADA95_4.2.3	4.2.3 Restricting Visibility	Yes
ADA95_4.2.4	4.2.4 Hiding Tasks	No
ADA95_4.3.1	4.3.1 Using Exceptions to Help Define an Abstraction	Yes
ADA95_5.1.1	5.1.1 Loop Names	Yes
ADA95_5.1.2	5.1.2 Block Names	Yes
ADA95_5.1.3	5.1.3 Exit Statements	Yes
ADA95_5.1.4	5.1.4 Naming End Statements	Yes
ADA95_5.2.1	5.2.1 Formal Parameters	No
ADA95_5.2.2	5.2.2 Named Association	Yes
ADA95_5.2.3	5.2.3 Default Parameters	Yes
ADA95_5.2.4	5.2.4 Mode Indication	Yes
ADA95_5.3.1	5.3.1 Derived Types and Subtypes	Yes
ADA95_5.3.2	5.3.2 Anonymous Types	Yes
ADA95_5.3.3	5.3.3 Private Types	Yes
ADA95_5.3.4	5.3.4 Subprogram Access Types	No
ADA95_5.4.1	5.4.1 Discriminated Records	Yes
ADA95_5.4.2	5.4.2 Heterogeneous Related Data	No
ADA95_5.4.3	5.4.3 Heterogeneous Polymorphic Data	No
ADA95_5.4.4	5.4.4 Nested Records	No
ADA95_5.4.5	5.4.5 Dynamic Data	Yes
ADA95_5.4.6	5.4.6 Aliased Objects	Yes
ADA95_5.4.7	5.4.7 Access Discriminants	No
ADA95_5.4.8	5.4.8 Modular Types	No
ADA95_5.5.1	5.5.1 Range Values	Yes
ADA95_5.5.2	5.5.2 Array Attributes	No
ADA95_5.5.3	5.5.3 Parenthetical Expressions	No
ADA95_5.5.4	5.5.4 Positive Forms of Logic	No
ADA95_5.5.5	5.5.5 Short Circuit Forms of the Logical Operators	No

Check ID	Check Name	Supported
ADA95_5.5.6	5.5.6 Accuracy of Operations With Real Operands	Yes
ADA95_5.6.1	5.6.1 Nesting	Yes
ADA95_5.6.2	5.6.2 Slices	No
ADA95_5.6.3	5.6.3 Case Statements	Yes
ADA95_5.6.4	5.6.4 Loops	Yes
ADA95_5.6.5	5.6.5 Exit Statements	Yes
ADA95_5.6.6	5.6.6 Recursion and Iteration Bounds	No
ADA95_5.6.7	5.6.7 Goto Statements	Yes
ADA95_5.6.8	5.6.8 Return Statements	Yes
ADA95_5.6.9	5.6.9 Blocks	No
ADA95_5.6.10	5.6.10 Aggregates	No
ADA95_5.7.1	5.7.1 The Use Clause	Yes
ADA95_5.7.2	5.7.2 The Renames Clause	Yes
ADA95_5.7.3	5.7.3 Overloaded Subprograms	Yes
ADA95_5.7.4	5.7.4 Overloaded Operators	No
ADA95_5.7.5	5.7.5 Overloading the Equality Operator	Yes
ADA95_5.8.1	5.8.1 Handling Versus Avoiding Exceptions	No
ADA95_5.8.2	5.8.2 Handlers for Others	Yes
ADA95_5.8.3	5.8.3 Propagation	Yes
ADA95_5.8.4	5.8.4 Localizing the Cause of an Exception	Yes
ADA95_5.9.1	5.9.1 Unchecked Conversion	Yes
ADA95_5.9.2	5.9.2 Unchecked Deallocation	Yes
ADA95_5.9.3	5.9.3 Unchecked Access	Yes
ADA95_5.9.4	5.9.4 Address Clauses	Yes
ADA95_5.9.5	5.9.5 Suppression of Exception Check	Yes
ADA95_5.9.6	5.9.6 Initialization	Yes
ADA95_5.9.7	5.9.7 Direct_IO and Sequential_IO	Yes
ADA95_5.9.8	5.9.8 Exception Propagation	Yes
ADA95_5.9.9	5.9.9 Protected Objects	Yes
ADA95_5.9.10	5.9.10 Abort Statement	Yes
ADA95_6.1.1	6.1.1 Protected Objects	Yes
ADA95_6.1.2	6.1.2 Tasks	No
ADA95_6.1.3	6.1.3 Discriminants	No
ADA95_6.1.4	6.1.4 Anonymous Task Types and Protected Types	No
ADA95_6.1.5	6.1.5 Dynamic Tasks	No
ADA95_6.1.6	6.1.6 Priorities	No
ADA95_6.1.7	6.1.7 Delay Statements	No
ADA95_6.1.8	6.1.8 Extensibility and Concurrent Structures	No
ADA95_6.2.1	6.2.1 Efficient Task Communication	No

Check ID	Check Name	Supported
ADA95_6.2.2	6.2.2 Defensive Task Communication	Yes
ADA95_6.2.3	6.2.3 Attributes 'Count, 'Callable, and 'Terminated	Yes
ADA95_6.2.4	6.2.4 Unprotected Shared Variables	Yes
ADA95_6.2.5	6.2.5 Selective Accepts and Entry Calls	Yes