

ACATS Modification List for ACATS 3.1

Version 3.1CC

June 30, 2021

What is this?

This is the ACATS modification list for ACATS 3.1. This document includes test corrections, test removals, and new tests for ACATS 3.1. ACATS 3.1 is the current test suite for the version of Ada that became current with the approval and publication of Amendment 1 by ISO as ISO/IEC 8652:1995/AMD 1:2007 (often known as "Ada 2005").

ACATS Modification List version 2.6J for ACATS 2.6 is the current list for that test suite. ACATS 2.6 should be used for testing Ada 95 implementations, and will continue to be maintained as necessary for the foreseeable future.

ACATS Modification List version 4.1W is the current list for ACATS 4.1. ACATS 4.1 should be used for testing the third edition of Ada, ISO/IEC 8652:2012 (usually known as "Ada 2012").

Changes from the last list:

A handful of tests changed status on October 1st, January 1st, and April 1st: see the lists for the details.

New test BC10001 replaces BC2001D and BC2001E (which are withdrawn), adding checks for protected units and eliminating the need for complex syntax error recovery or test splitting. While we want the ACATS to encourage error detection and recovery, the design mistake embodied in these tests is significant enough and unlikely enough that it needs to be corrected before worrying about other details. Thus the sort of error recovery needed for the old tests very unlikely to be helpful in practice.

Test B830001 was split into 6 files so that correct units and units with errors were not mixed; and (by putting one error per file), making the test more realistic (multiple units in a source file is rare) and the results pass/fail.

New tests B830003, B830004, and B830005 replace tests B83004A, B83004B, B83004C, B83004D. The original tests caused many spurious errors in every Ada implementation that the ACAA tested; those errors prevented any implementation from formally passing the tests without making a large number of test splits. We rearranged the test cases to avoid many of the spurious errors; split the remaining cases into separate test files, eliminated redundant tests for separately compiled units, and added test cases for protected objects and null procedures. The original tests have been withdrawn.

Many tests have been improved with error location indications, as well as the removal of overlong lines, misformatted or mislocated error markers, and comment corrections. These tests had issues with error locations when graded with the ACATS grading tools; most did not pass grading with any tested Ada compiler (while passing when hand-graded). These tests are:

B35901C, B36102A, B370002, B393005, B393008, B393009, B394001, B394A01, B394A02, B394A03, B394A04, B394A05, B41327B, B43201A, B43201C, B43202C, B460002, B480002, B49005A, B650003, B650005, B660001, B67001C, B730007, B730008, B730009, B740002, B74101A, B74104A, B83001A, B83003A, B83003B, B95094A, BA21A01, BC1201F, BC1201G, BC1201H, BC1201I, BC30001, BC3013A, BC3018A, BC60001, BC60002, BDE0007

Test CXB3013 contains C code with a call to Malloc that C standards require a declaration. As such, "#include <stdlib.h>" was added to file CXB30131.C. Note that the ACATS allows foreign language code to be modified by implementers as needed, so the new include can be removed if it causes a problem for some target.

Tests CXAI001 and CXAIA01 were modified to be compatible with AI12-0400-1 by removing the subtests of Insert_Vector and Append_Vector. An implementation may use either the old names (Insert and Append) or the new names of these operations (the ARG recommends using the new names for compatibility with Ada 202x). These operations are thought to be rarely used, so the loss of testing is considered minimal.

Note: Some Allowed Modification tests have a required date of “ACATS 3.2”. These are tests that don't have substantive changes, but rather change comments (including error locations for B-Tests). For ACATS users that are using traditional results comparison rather than the ACATS grading tools, changing these tests may cause work without benefit (since the tests don't have significant changes). As such, we're allowing the use of the old versions of the tests until the time when the next ACATS version (ACATS 3.2) of this series is issued (there are no current plans for such a version).

New tests posted between April 1, 2021 and June 30, 2021 will become required for conformity assessments on January 1, 2022. New tests posted between January 1, 2021 and March 31, 2021 will become required for conformity assessments on October 1, 2021. New tests posted between October 1, 2020 and December 31, 2020 will become required for conformity assessments on July 1, 2021. New tests posted before October 1, 2020 are required for conformity assessments. The effective dates of tests are marked in the lists.

Questions about this document? Contact the ACAA Technical Agent at agent@ada-auth.org.

Ada 2012 compatibility:

This test suite is designed for Ada 2005. ACATS 4.1 should be used to test Ada 2012 implementations. There are a significant number of tests in ACATS 3.1 that are incompatible with the requirements of Ada 2012.

Notice:

The ACAA has created and maintains the Ada Conformity Assessment Test Suite for the purpose of conformity assessments conducted in accordance with the International Standard ISO/IEC 18009 - Ada: Conformity assessment of a language processor. This test suite should not be used to make claims of conformance unless used in accordance with ISO/IEC 18009 and any applicable ACAA procedures.

List explanation:

Test numbers given are for the basic test. Categories are “Withdrawn” (the test should not be processed for Ada conformity assessments); “Allowed Modification” (either the original test or the modified one should be processed for Ada conformity assessments); “Modified” (the modified test must be processed for Ada conformity assessments); “Pending New” (the test does not need to be processed for Ada conformity assessments, but will be added in the future); “New” (the test is processed for Ada conformity assessments).

ACATS version labels are provided with all new and modified tests. Use this label to retrieve the test from the ACATS VCS. See “How to get new and modified tests”.

In citations, line numbers are given relative to the start of a test file in the format of '@<line#,line#,...>'; if a test program comprises more than one file, then the particular file will be indicated by "fn", where "n" is the test-program name's file-designator numeral. E.g., "B38103E : @f1-31, ..." denotes test file b38103e1.ad. In cases where there are two or more rationales for different errors in a test program, these different rationales with their respective line citations are listed on separate lines. References to the Ada standards are given in the format:

<section|chapter>.<clause>[.<subclause>]:<paragraph>

These references are to the consolidated Ada standard as available at <http://www.adaic.org/resources/add-contentstandards/05rm/html/RM-TOC.html>.

Main list:

==== Core Language =====

Name	Category	Version label	(effective date; old version label)	Short description.
B32201A	[Allowed Modification]	New VCS Label: A3_1Y	Org VCS Label: A3_1	Required in ACATS 3.2 Added error location indicators.
B33001A	[Modified]	VCS Label: A3_1Y		Added error location indicators, added additional possible error locations, restored likely intended test for Set2.
B33101A	[Allowed Modification]	New VCS Label: A3_1Y	Org VCS Label: A3_1	Required in ACATS 3.2 Added error location indicators.
C352001	[Modified]	VCS Label: A3_1Q		Corrected Failed message @267 to reflect intended result.
B354002	[New]	VCS Label: A3_1Q		Test basic requirements for the Mod attribute.
B35901C	[Allowed Modification]	New VCS Label: A3_1CC	Org VCS Label: A3_1	Required in ACATS 3.2 Added error location indicators; moved error tags to correct locations.
C354004	[New]	VCS Label: A3_1Q		Test basic operation of the Mod attribute.
B36102A	[Allowed Modification]	New VCS Label: A3_1CC	Org VCS Label: A3_1	Required in ACATS 3.2 Added error location indicators; split constructs so there is only one error per construct.
B370002	[Allowed Modification]	New VCS Label: A3_1CC	Org VCS Label: A3_1	Required in ACATS 3.2 Added error location indicators.
B37309B	[Modified]	VCS Label: A3_1R		Added additional error locations to directly support common error reporting strategies.
B37310B	[Modified]	VCS Label: A3_1R		Added additional error locations to directly support common error reporting strategies.
B37311A	[Modified]	VCS Label: A3_1R		

Added additional error locations to directly support common error reporting strategies.

- B38003D [Modified] VCS Label: A3_1M
Corrected error tags @70,76,82,88 so "optional" and "error" are on the same line, as required by the test standards.
- B38103A [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_
Required in ACATS 3.2
Added error location indicators.
- B38103B [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B38103C [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B38103D [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B38103E [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B38105A [Withdrawn] Org VCS Label: A3_1B
Replaced by tests B3A1007 and B3A1A05 (and existing tests B3A1A01 and B3A1A02).
- C390012 [New] VCS Label: A3_1J
Check the operation of Ada.Tags.Generic_Dispatching_Constructor.
- C391003 [New] VCS Label: A3_1F
[VCS Label A3_1E] Check that a type extension can be declared in a more nested scope than its parent type, and that overridden subprograms of that extension can be dispatched to.
[VCS Label A3_1F] Eliminated an overlong line.
- B392002 [Modified] VCS Label: A3_1R
Revised to use Possible Error tags, and added error location indicators.
- B392003 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.
- B392004 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.
- B392005 [Modified] VCS Label: A3_1R
Revised to use Possible Error tags, and added error location indicators.
- B393001 [Modified] VCS Label: A3_1R

Added additional error locations to directly support common error reporting strategies.

- B393005 [Modified] VCS Label: A3_1B
[VCS Label A3_1B] Declaration @114 is illegal because it inherits an abstract function that is not overridden, as described in AI05-0097-1.
- B393005 [Allowed Modification] New VCS Label: A3_1CC
Org VCS Label: A3_1B
Required in ACATS 3.2
[VCS Label A3_1CC] Added error location indicators.
- B393007 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies. Fixed overlong lines.
- B393008 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B393009 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B393010 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies. Fixed overlong lines.
- B393011 [New] VCS Label: A3_1E
Check that an abstract routine of an abstract partial view overridden by a non-abstract routine in the private part requires overriding when it is inherited if the private part is not visible where it is inherited.
- B394001 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B394A01 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B394A02 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B394A03 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B394A04 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B394A05 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2

Added error location indicators.

- C3A0030 [New] VCS Label: A3_1L
Check that an access discriminant is only null excluding if it includes a null exclusion.
- B3A1001 [Modified] VCS Label: A3_1M
[VCS Label A3_1B] Type UT1 @78 is supposed to be tagged incomplete, else it's the same as type U1.
[VCS Label A3_1M] Split Pack6 so possible error sets don't intersect; fixed overlong lines.
- B3A1002 [Modified] VCS Label: A3_1M
[VCS Label A3_1B] Type UT1 @77 is supposed to be tagged incomplete, else it's the same as type U1.
[VCS Label A3_1M] Split Pack6 so possible error sets don't intersect; fixed overlong lines.
- C3A1003 [New] VCS Label: A3_1E
Check that a dereference of an access-to-tagged-incomplete type can be passed as a parameter.
- C3A1004 [New] VCS Label: A3_1E
Check that a parameter of a tagged incomplete type can be passed as a parameter.
- B3A1007 [New] VCS Label: A3_1B
Check that constraints and exclusions aren't allowed on an incomplete type in access type and subtype declarations.
- B3A1008 [New] VCS Label: A3_1F
[VCS Label A3_1E] Check that a dereference of an access-to-incomplete type cannot be used as a prefix.
[VCS Label A3_1F] Eliminated overlong lines.
- B3A1009 [New] VCS Label: A3_1F
[VCS Label A3_1E] Check that a dereference of an access-to-incomplete view cannot be used as a prefix. Check that a parameter of an incomplete view cannot be used as a prefix.
[VCS Label A3_1F] Eliminated overlong lines.
- B3A1A05 [New] VCS Label: A3_1B
Check that generic formal objects cannot be declared with an incomplete view.
- C3A2004 [New] VCS Label: A3_1D
Check that the type of the prefix of 'Access is used to resolve the expected type of the use of the attribute.
- B3A2007 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.
- B3A2008 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B3A2009 [Modified] VCS Label: A3_1R
Removed tabs to meet test format standards; added error location indicators.

B3A2011 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B3A2012 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B3A2016 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B3A2017 [New] VCS Label: A3_1F
[VCS Label A3_1D] Check P'Access is not allowed in a generic body if P is declared in the generic (including in the parent of a child or in a formal package) and the access type is a formal type or outside of the generic.
[VCS Label A3_1F] Eliminated overlong lines.

B413004 [Modified] VCS Label: A3_1T
PPA and PFA trigger the issue of AI12-0289-1; explicit null exclusions were added to the parameters to avoid it.

B41327B [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B431006 [New] VCS Label: A3_1D
Check that if a variant part is not nested in an unselected variant, the value of the governing discriminant of a variant in a record aggregate cannot be non-static.

B43102A [Withdrawn] VCS Label: A3_1D
Replaced by B431006.

B43201A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B43201C [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B43202C [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B452002 [New] VCS Label: A3_1V
Check that Resolution and Legality Rules for the universal access equality operator are enforced.

C452A01 [New] VCS Label: A3_1U
Check that "=" for language-defined private types behaves as if it

is predefined. Part 1: core types.

C452A02 [New] VCS Label: A3_1U

Check that "=" for language-defined private types behaves as if it is predefined. Part 2: types of the Ada.Strings subsystem.

C452A03 [New] VCS Label: A3_1U

Check that "=" for language-defined private types behaves as if it is predefined. Part 3: Annex C types.

C453001 [New] VCS Label: A3_1Q

Check that modular adding operators wrap around rather than raising Constraint_Error.

B455002 [Modified] VCS Label: A3_1M

Corrected casing of error tags and fixed overlong lines.

B460002 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2

Added error location indicators.

C460014 [New] VCS Label: A3_1P

Check that Constraint_Error is raised appropriately when converting access-to-classwide to another access type.

C460015 [New] VCS Label: A3_1P

Check that Constraint_Error is raised appropriately when converting access-to-limited-classwide to another access type.

C480001 [New] VCS Label: A3_1Q

[VCS Label A3_1L] Check that an initialized allocator for a class-wide type does an accessibility check on the tag of the initializing object.

[VCS Label A3_1Q] Changed mode to "in" (instead of "in out") @103 & 144 as those parameters are used in functions, making that an Ada 2012 feature, and this is an Ada 2005 test.

B480002 [New] VCS Label: A3_1F

[VCS Label A3_1E] Check that an initialized allocator for an access type with a class-wide designated type does not create an object whose type is more local than the access type.

[VCS Label A3_1F] Eliminate overlong lines and tab characters.

B480002 [Allowed Modification] New VCS Label: A3_1CC

Org VCS Label: A3_1F

Required in ACATS 3.2

Added error location indicators.

B480003 [New] VCS Label: A3_1L

[VCS Label A3_1E] Check that an uninitialized allocator for an access type with a class-wide designated type does not create an object whose type is more local than the access type.

[VCS Label A3_1F] Eliminate overlong lines and tab characters.

[VCS Label A3_1L] Corrected test objective and test description; the test code is unmodified.

B480004 [New] New VCS Label: A3_1R

Check that an allocator is illegal if the access type has a Storage_Size that is statically zero.

- B48002A [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B48002G [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B48003B [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B48003E [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B49005A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.
- B4A010C [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.
- C52101A [Modified] VCS Label: A3_1M
Corrected comment @49 not to have the form of an error tag.
- B540002 [New] VCS Label: A3_1R
[VCS Label A3_1B] Check that case statement coverage rules are enforced for modular types.
[VCS Label A3_1R] Added additional error locations to directly support common error reporting strategies.
- C540002 [New] VCS Label: A3_1B
[VCS Label A3_1B] Check that the selecting_expression of a case statement can be resolved using the requirement that it be any discrete type.
[VCS Label A3_1F] Eliminated overlong lines.
- B54B01B [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.
- B54B01C [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.
- B54B02B [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.
- B54B02C [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B54B02D [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B54B04A [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B54B04B [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B54B05A [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B55B12B [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B55B12C [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.

B56001A [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B57001B [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

C620001 [New] VCS Label: A3_1B
Check that elementary types are passed by-copy: procedures and functions.

C620002 [New] VCS Label: A3_1AA
Check that elementary types are passed by-copy: task and protected entries.

B62001C [Modified] VCS Label: A3_1M
Changed error @35 to be optional, as the syntax error @33 is required (and the comment that only one error need be detected is bogus).

B62001D [Modified] VCS Label: A3_1M
Changed error @41 to be optional, as the syntax error @33 is required (and the comment that only one error need be detected is bogus).

C62003A [Withdrawn] Org VCS Label: A3_1B
Replaced by test C620001.

B631001 [New] VCS Label: A3_1X
Check that a prefixed view is intrinsic.

B640001 [New] VCS Label: A3_1F
[VCS Label A3_1D] Check that abstract nondispatching operations do not participate in resolution.
[VCS Label A3_1F] Eliminate overlong lines and tab characters.

C640002 [New] VCS Label: A3_1F
[VCS Label A3_1D] Check that an abstract nondispatching operator provides a way to eliminate an unwanted predefined operator.
[VCS Label A3_1F] Eliminate overlong lines.

B650003 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B65005A [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B65005B [Modified] New VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B651001 [New] VCS Label: A3_1BB
[VCS Label A3_1Q] Check that a return statement cannot apply to a nonreturning procedure, and that a renames-as-body of a nonreturning procedure has to be a nonreturning procedure (pragma No_Return version).
[VCS Label A3_1BB] Corrected pragmas @176 and @179 to refer to the immediately preceding procedures.

C651001 [New] VCS Label: A3_1Q
Check that a nonreturning procedure can raise an exception and raises Program_Error otherwise (pragma No_Return version).

B660001 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

C660001 [New] VCS Label: A3_1B
Check that a matching "/=" is defined for an explicitly declared "=" operator with a result of Boolean.

B660002 [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B66001A [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B66001B [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

B67001C [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Moved many error tags to the correct position; added error

location indicators.

- B730006 [Modified] VCS Label: A3_1P
Corrected format of error tags; added location indicators.
- B730007 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Fixed overlong lines, header formatting issues, added error
location indicators.
- B730008 [New] VCS Label: A3_1A
[VCS Label A3_1A] Check that a tagged partial view and its
completion must have the same set of interfaces.
- B730008 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
[VCS Label A3_1CC] Added error location indicators.
- B730009 [New] VCS Label: A3_1F
[VCS_Label A3_1A] Check that a tagged partial view can be
synchronized if and only if the completion is a synchronized type.
[VCS Label A3_1F] Completion of Priv12 @131 violates 7.3(10.1/3).
- B730009 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
[VCS Label A3_1CC] Added error location indicators.
- B730010 [New] VCS Label: A3_1F
Check 7.3(10.1/3).
- B730011 [New] VCS Label: A3_1P
Test various rules about completions of private types and
extensions; replaces test B74001A.
- B730012 [New] VCS Label: A3_1P
Test various rules about completions of private types and
extensions in generic units; replaces test B74001B.
- B730013 [New] VCS Label: A3_1Q
Test operations available for a private type; replaces test
B74203E.
- B73001A [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error
reporting strategies.
- B73001B [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error
reporting strategies.
- B73001C [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error
reporting strategies.
- B73001D [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error
reporting strategies.

B73001E [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B73001F [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B73001G [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B73001H [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B740002 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
[VCS Label A3_1CC] Added error location indicators.

B740003 [Modified] VCS Label: A3_1S
[VCS Label A3_1M] Modified criteria @75 so that it doesn't look like an error tag to the grading tools; also fixed an overlong line.
[VCS Label A3_1S] Modified grading to document that processing the main is optional. Added error location indicators.

B74001A [Withdrawn] VCS Label: A3_1P
Replaced by B730011.

B74001B [Withdrawn] VCS Label: A3_1P
Replaced by B730012.

B74101A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
[VCS Label A3_1CC] Added error location indicators.

B74104A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
[VCS Label A3_1CC] Added error location indicators; added Optional Error tag for D component (that matches missing discriminant).

B74203E [Withdrawn] VCS Label: A3_1Q
Replaced by B730013.

B750A01 [Modified] VCS Label: A3_1J
The qualification @129 should be for Lim_Ext, not Lim_Rec.

B750A02 [Modified] VCS Label: A3_1J
The qualification @131 should be for Lim_Ext, not Lim_Rec.

B750A04 [New] VCS Label: A3_1J
Check that only legal expressions are allowed in the qualified expression of an allocator for a limited object.

B750A06 [New] VCS Label: A3_1J

Check that only legal expressions are allowed in the expression of a simple return statement for a function that returns a limited type.

- C760015 [New] VCS Label: A3_1L
[VCS Label A3_1E] Check that a controlled type can be declared within a subprogram.
[VCS Label A3_1F] Eliminated overlong lines.
[VCS Label A3_1L] Corrected one of the potential results for Subtest2(4) to be "Iafcf", not "IafcF".
- C760A02 [New] VCS Label: A3_1R
Checks that functions that return immutably limited types are built-in-place.
- B830001 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Split test into 6 files; added error location indicators.
- B830003 [Pending New] New VCS Label: A3_1CC
Required after 2022-01-01
Check that illegal homographs are detected in specifications of generic packages. Replaces B83004A.
- B830004 [Pending New] New VCS Label: A3_1CC
Required after 2022-01-01
Check that illegal homographs are detected in body of generic packages. Replaces B83004B.
- B830005 [Pending New] New VCS Label: A3_1CC
Required after 2022-01-01
Check that illegal homographs are detected in subunits of the bodies of generic packages. Replaces B83004D.
- B83001A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Moved many error tags to the correct position; added error location indicators.
- B83003A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Moved many error tags to the correct position; added error location indicators.
- B83003B [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Moved many error tags to the correct position; added error location indicators.
- B83004A [Withdrawn] Org VCS Label: A3_1CC
Replaced in part by test B830003, the rest was redundant with B83004B.
- B83004B [Withdrawn] Org VCS Label: A3_1CC
Replaced by test B830004.
- B83004C [Withdrawn] Org VCS Label: A3_1CC

Redundant with B83004D.

B83004D [Withdrawn] Org VCS Label: A3_1CC
Replaced by test B830005.

B83027B [Modified] VCS Label: A3_1R
The discriminant @90 needs a default expression as all or none of the discriminants of a type need defaults. Also added error location indicators.

B83027D [Modified] VCS Label: A3_1R
Corrected bad error tag, and added error location indicators.

B83E01B [Modified] VCS Label: A3_1R
Removed possible error cascades, reformatted some error tags, and added error location indicators.

B831004 [New] VCS Label: A3_1G
Check that overriding indicators are properly enforced for types derived from a generic formal type. (Nested generic specification cases.)

B83F02C [Modified] VCS Label: A3_1M
Updated many optional error markers to match ACATS standards.

B840002 [New] VCS Label: A3_1G
Check a package use clause cannot denote a limited view or a non-package.

B851004 [Modified] VCS Label: A3_1T
Revised test to eliminate cases whose result would be changed by pending AI12-0287-1, and added cases to preserve complete testing.

B853001 [New] VCS Label: A3_1S
Checks that a renamed limited view cannot be used where there is not a with for the original package.

B854002 [New] VCS Label: A3_1T
[VCS Label A3_1S] When parameter or result has a null exclusion for a subprogram rename, check that the subtype of the corresponding parameter or result of the renamed subprogram must exclude null.
[VCS Label A3_1T] Corrected wording of the second test objective.
[VCS Label A3_1AA] Corrected error markers on RenG51, RenG61, RenGF51, and RenGF61. Corrected renaming @412 to rename the correct function.

B854003 [New] VCS Label: A3_1T
Check various rules about renames as body: conformance of both the renaming and renamed entity, and renaming of abstract and intrinsic subprograms.

B854004 [New] VCS Label: A3_1T
Check that renaming a subprogram that requires overriding is illegal.

B91003A [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B91003B [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B91003C [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B91003D [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

C920001 [New] VCS Label: A3_1B
Check activation (and non-activation) of tasks declared as (part of) return objects in extended return statements.

B940003 [Modified] VCS Label: A3_1P
Added additional error locations to directly support common error reporting strategies.

B940004 [Modified] VCS Label: A3_1P
Split into 8 files; added location indicators.

B940008 [New] VCS Label: A3_1W
Check the overriding indicators work properly on protected subprograms.

B940009 [New] VCS Label: A3_1W
Check that the mode and type of the first parameter of protected operations that implement inherited subprograms is correct.

B940010 [New] VCS Label: A3_1W
Check that a protected operation and a primitive subprogram if a tagged protected type cannot have the same profile.

B940011 [New] VCS Label: A3_1W
Check that an protected operation and the associated inherited operation must subtype conform. Check that inherited operations must be implemented, overridden, or be a null procedure.

C940017 [New] VCS Label: A3_1W
Check that dispatching calls can be made through a protected interface and that they can be implemented with protected subprograms and entries.

C94001A [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94001B [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94001C [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94002A [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94004A [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94004B [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94004C [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94005A [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94005B [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94007A [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C94010A [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

B95007B [Modified] VCS Label: A3_1M
Fixed error markers @62,66,70 to match ACATS standards.

C95012A [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

C95072A [Withdrawn] Org VCS Label: A3_1AA
Replaced by test C620002.

B95094A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
[VCS Label A3_1CC] Added error location indicators.

B952005 [New] VCS Label: A3_1W
Check the overriding indicators work properly on task and
protected entries.

C97307A [Modified] VCS Label: A3_1W
Revised test to replace excessive delays with Impdef constants.

BA1001D [Modified] VCS Label: A3_1R
Revised to mark the main subprogram as optional, as it is not
necessary to check the test objective. Added error location
indicators.

BA1020F [Modified] VCS Label: A3_1R
Revised to mark the main subprogram as optional, as it is not
necessary to check the test objective. Added error location
indicators.

BA11007 [Modified] VCS Label: A3_1R
Split into six test files to avoid requiring error recovery.

BA11013 [Modified] VCS Label: A3_1R
Revised to make processing the last compilation unit optional,
as it is not necessary to check the test objective. Added error
location indicators.

BA1101E [Withdrawn] Org VCS Label: A3_1R
Replaced by test BA14001.

BA12010 [Modified] VCS Label: A3_1R
Revised to use Possible Error tags, and added error location
indicators.

BA12017 [New] VCS Label: A3_1F
[VCS Label A3_1D] Check that a limited with clause is not allowed
on a descendant of the named package.
[VCS Label A3_1F] Eliminated overlong line.

BA12018 [New] VCS Label: A3_1S
Check that names mentioned but not named in a private with are
also treated as privately withed.

BA14001 [New] VCS Label: A3_1R
Replaces test BA1101E with modern format and additional test cases
for Ada 95 compilation units.

BA14002 [New] VCS Label: A3_1R
Similar to BA14001, testing private with.

BA14003 [New] VCS Label: A3_1R
Checks that a unit is illegal if it depends on two versions of the
same unit.

BA15003 [New] VCS Label: A3_1D
Check that a library unit pragma must apply to a library unit.

BA21A01 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

CB30001 [New] VCS Label: A3_1C
Check that the optional message parameter is supported in a raise
statement, and that the message can be retrieved with
Exception_Message.

BB42001 [New] VCS Label: A3_1L
Check that the arguments of a pragma Assert have to have the
correct types.

CB42001 [New] VCS Label: A3_1L
Check the usual operation of pragma Assert, including the optional
message.

BB42002 [New] VCS Label: A3_1L
Check that the arguments of a pragma Assert cannot be reordered
even if named notation is used.

CB42002 [New] VCS Label: A3_1L
Check that if the assertion policy is Ignore, none of the expressions of a pragma Assert are evaluated and no exception is raised by the pragma.

BB42003 [New] VCS Label: A3_1L
Check that a pragma Assertion_Policy is illegal if the policy is not recognized.

CB42003 [New] VCS Label: A3_1L
Check that procedure Ada.Assertions.Assert evaluates its arguments and raises Assertion_Error regardless of the assertion policy.

BC10001 [Pending New] New VCS Label: A3_1CC
Required after 2022-01-01
Check that generic formal parts cannot be prepended to task or protected specifications. Replaces BC2001D and BC2001E.

BC1201F [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC1201G [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC1201H [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC1201I [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC2001D [Withdrawn] Org VCS Label: A3_1CC
Replaced by test BC10001.

BC2001E [Withdrawn] Org VCS Label: A3_1CC
Replaced by test BC10001.

CC30003 [Modified] VCS Label: A3_1F
Eliminated overlong lines.

CC30004 [New] VCS Label: A3_1F
[VCS Label A3_1B] Check that if a generic actual type is elementary, it is passed by copy within an instance.
[VCS Label A3_1F] Eliminated overlong lines and tab characters.

BC30001 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC3013A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

CC3017C [Withdrawn] Org VCS Label: A3_1B

Replaced by test CC30004.

BC3018A [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC40003 [New] VCS Label: A3_1T
[VCS A3_1S] Checks that the subtype of the actual for a generic
formal object with a null exclusion must exclude null.
[VCS A3_1T] Revised test to eliminate cases whose result would be
changed by pending AI12-0287-1, and to preserve complete testing.

BC51016 [Modified] VCS Label: A3_1R
Corrected bad error tag, and added error location indicators.

BC51019 [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC51020 [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC51B02 [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC51C01 [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC51C02 [Allowed Modification] New VCS Label: A3_1Y Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators.

BC54004 [New] VCS Label: A3_1S
Checks that the null exclusion of the formal type and of the
actual subtype for a generic formal access type must match.

BC60001 [New] VCS Label: A3_1D
[VCS Label A3_1D] Test rules associated with formal subprogram
defaults of null.

BC60001 [Allowed Modification] New VCS Label: A3_1CC
Org VCS Label: A3_1D
Required in ACATS 3.2
[VCS Label A3_1CC] Added error location indicators.

CC60001 [New] VCS Label: A3_1H
Check that calls on a formal abstract subprogram are dispatching.

BC60002 [New] VCS Label: A3_1H
[VCS Label A3_H] Test rules associated with the controlling type
of a formal abstract subprogram.

BC60002 [Allowed Modification] New VCS Label: A3_1CC
Org VCS Label: A3_1H

Required in ACATS 3.2

[VCS Label A3_1CC] Added error location indicators.

BC60004 [New] VCS Label: A3_1H

Check that a call on a formal abstract subprogram must be dispatching.

BC60005 [New] VCS Label: A3_1AA

[VCS Label A3_1S] Checks that the subtype of a parameter or result of the actual subprogram for a generic formal subprogram where the corresponding parameter or result has a null exclusion must exclude null.

[VCS Label A3_1T] Corrected wording of the second test objective.

[VCS Label A3_1Z] Corrected error markers on InstG51, InstG61, InstGF51, and InstGF61.

[VCS Label A3_1AA] Corrected instance @437 to use correct actual parameter.

CD1009A [Withdrawn] VCS Label: A3_1Q

Has one of the objectives of, and thus redundant with, test CD2A31C (now CD30012).

CD1009B [Withdrawn] VCS Label: A3_1Q

Has one of the objectives of, and thus redundant with, test CD2A21C (now CD30011).

CD1009L [Withdrawn] VCS Label: A3_1Q

Virtually identical to, and thus redundant with, test CD2D13A.

CD1009M [Withdrawn] VCS Label: A3_1Q

Virtually identical to, and thus redundant with, test CD3014C.

CD2A21C [Withdrawn] VCS Label: A3_1Q

Replaced by CD30011.

CD2A31C [Withdrawn] VCS Label: A3_1Q

Replaced by CD30012.

CD30008 [New] VCS Label: A3_1K

Renaming of previous test CD33001 (there is no subclause 13.3.3). The test is unchanged other than renaming the units involved and fixing an overlong line.

CD30009 [New] VCS Label: A3_1K

Renaming of previous test CD33002 (there is no subclause 13.3.3). The test is unchanged other than renaming the units involved and fixing an overlong line.

CD30011 [New] VCS Label: A3_1Q

Merges legacy tests CD1009B and CD2A21C to eliminate duplication (CD1009B has the same objective as one of the objectives of CD2A21C) while adding modern formatting and applicability criteria.

CD30012 [New] VCS Label: A3_1Q

Merges legacy tests CD1009A and CD2A31C to eliminate duplication (CD1009A has the same objective as one of the objectives of

CD2A31C) while adding modern formatting and applicability criteria.

- CD33001 [Withdrawn] VCS Label: A3_1K
Renamed to CD30008, as there is no subclause 13.3.3.
- CD33002 [Withdrawn] VCS Label: A3_1K
Renamed to CD30009, as there is no subclause 13.3.3.
- BD4003A [Modified] VCS Label: A3_1M
Moved error marker from @66 to @67 so it is on the incorrect construct.
- BDB0A01 [Modified] VCS Label: A3_1R
Revised to use Possible Error tags, and added error location indicators.
- BDD2003 [Modified] VCS Label: A3_1R
Added additional error locations to directly support common error reporting strategies.
- BDD2004 [New] VCS Label: A3_1F
Check that subprograms specified for stream attributes meet the requirements for such subprograms. This version corrects the location of 'Class @230, 235, 240.
- BDD2006 [New] VCS Label: A3_1Z
Check that the requirements for specifying the Stream_Size attribute are enforced.
- CDD2B01 [New] VCS Label: A3_1Z
Check that confirming Stream_Size attributes work as expected.
- CDD2B03 [New] VCS Label: A3_1Z
Check that non-confirming Stream_Size attributes work as expected.
- BDE0007 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required in ACATS 3.2
Added error location indicators; stripped SAIC development junk.
- CXA4037 [New] VCS Label: A3_1G
Check Ada.Strings.Fixed.Find-Token against rule from 2001 Corrigendum.
- CXA5016 [New] VCS Label: A3_1F
[VCS Label A3_1D] Check operation of attribute Machine_Rounding.
[VCS Label A3_1F] Eliminated overlong lines.
- CXAA021 [New] VCS Label: A3_1D
Check file operations of Text_IO.Bounded_IO.
- CXAA022 [New] VCS Label: A3_1D
Check file operations of Text_IO.Unbounded_IO.
- CXAB002 [New] VCS Label: A3_1D
Check file operations of Wide_Text_IO.Wide_Bounded_IO.

CXAB003 [New] VCS Label: A3_1D
Check file operations of Wide_Wide_Text_IO.Wide_Wide_Bounded_IO.

CXAB004 [New] VCS Label: A3_1D
Check file operations of Wide_Text_IO.Wide_Unbounded_IO.

CXAB005 [New] VCS Label: A3_1D
Check file operations of Wide_Wide_Text_IO.Wide_Wide_Unbounded_IO.

CXAC008 [New] VCS Label: A3_1J
[VCS Label A3_1D] Check that Stream_IO files opened with mode Out_File are not truncated by Close or Reset.
[VCS Label A3_1E] Corrected required file size in substest 8, and various failure messages.
[VCS Label A3_1F] Eliminated overlong lines.
[VCS Label A3_1J] Corrected a failure message.

CXAG001 [New] VCS Label: A3_1F
Check that Ada.Directories can be used to create and delete directories.

CXAH001 [New] VCS Label: A3_1F
[VCS Label A3_1E] Test that package Environment_Variables can be used to read environment variables.
[VCS Label A3_1F] Added missing Applicability Criteria.

CXAH002 [New] VCS Label: A3_1F
[VCS Label A3_1E] Test that package Environment_Variables can be used to modify environment variables.
[VCS Label A3_1F] Added missing Applicability Criteria.

CXAI001 [New] VCS Label: A3_1A
[VCS Label A3_1A] Check the functionality defined in package Ada.Containers.Vectors.

CXAI001 [Allowed Modification] New VCS Label: A3_1CC
Org VCS Label: A3_1A
Required after 2021-10-01
[VCS Label A3_1CC] Removed substests for operations whose names were changed by AI12-0400-1. Also fixed some overlong lines.

CXAI002 [New] VCS Label: A3_1A
Check the functionality defined in package Ada.Containers.Doubly_Linked_Lists.

CXAI003 [New] VCS Label: A3_1A
Check the functionality defined in package Ada.Containers.Hashed_Maps.

CXAI004 [New] VCS Label: A3_1A
Check the functionality defined in package Ada.Containers.Ordered_Maps.

CXAI005 [New] VCS Label: A3_1A
Check the functionality defined in package Ada.Containers.Hashed_Sets.

CXAI006 [New] VCS Label: A3_1A
Check the functionality defined in package
Ada.Containers.Ordered_Sets.

FXAIA00 [New] VCS Label: A3_1A
Foundation containing types and values to be used to check the
functionality of the indefinite containers.

CXAIA01 [New] VCS Label: A3_1A
[VCS Label A3_1A] Check the functionality defined in package
Ada.Containers.Indefinite_Vectors.

CXAIA01 [Allowed Modification] New VCS Label: A3_1CC
Org VCS Label: A3_1A
Required after 2021-10-01
[VCS Label A3_1CC] Removed subtests for operations whose names
were changed by AI12-0400-1. Also fixed some overlong lines.

CXAIA02 [New] VCS Label: A3_1A
Check the functionality defined in package
Ada.Containers.Indefinite_Doubly_Linked_Lists.

CXAIA03 [New] VCS Label: A3_1A
Check the functionality defined in package
Ada.Containers.Indefinite_Hashed_Maps.

CXAIA04 [New] VCS Label: A3_1A
Check the functionality defined in package
Ada.Containers.Indefinite_Ordered_Maps.

CXAIA05 [New] VCS Label: A3_1A
Check the functionality defined in package
Ada.Containers.Indefinite_Hashed_Sets.

CXAIA06 [New] VCS Label: A3_1A
Check the functionality defined in package
Ada.Containers.Indefinite_Ordered_Sets.

CXB3013 [Allowed Modification] New VCS Label: A3_1CC Org VCS Label: A3_1
Required after 2021-10-01
Added "#include <stdlib.h>" @f1:57, as this is required by
standard C for the call to Malloc.

CXB3017 [New] VCS Label: A3_1B
Check that pragma Export can be used on subprograms and objects.

CXB3023 [New] VCS Label: A3_1M
[VCS Label A3_1K] Check that a value of an unchecked union type
(defined with pragma Unchecked_Union) can be passed to a C
function.
[VCS Label A3_1M] Added missing N/A => ERROR markers.

==== Annex C ====

BXC6A03 [Modified] VCS Label: A3_1R
Removed test case changed by AI05-0218-1.

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Annex D
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CXD2007 [Modified] VCS Label: A3_1P
Added missing N/A => Error tag.

LXD7001 [Modified] VCS Label: A3_1P
Added missing error tag.

LXD7003 [Modified] VCS Label: A3_1P
Added missing error tag.

LXD7004 [Modified] VCS Label: A3_1P
Added missing error tag.

LXD7005 [Modified] VCS Label: A3_1P
Added missing error tag.

LXD7006 [Modified] VCS Label: A3_1P
Added missing error tag.

LXD7007 [Modified] VCS Label: A3_1P
Added missing error tag.

LXD7008 [Modified] VCS Label: A3_1P
Added missing error tag.

LXD7009 [Modified] VCS Label: A3_1P
Added location indicators.

CXDB001 [Modified] VCS Label: A3_1P
Added missing N/A => Error tag.

CXDB002 [Modified] VCS Label: A3_1P
Added missing N/A => Error tag.

CXDB003 [Modified] VCS Label: A3_1P
Added missing N/A => Error tag.

CXDB004 [Modified] VCS Label: A3_1P
Added missing N/A => Error tag.

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Annex E
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[None.]

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Annex F
=====

[None.]

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Annex G
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CXG2001 [Modified] VCS Label: A3_1B
Formula for Model_Mantissa was replaced in Ada 2005 (and really in the Corrigendum), but was never updated in this test. This only affects machines with decimal floating point.

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Annex H
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LXH4001 [Modified] VCS Label: A3_1P
Corrected format of error tag; added location indicators.

LXH4003 [Modified] VCS Label: A3_1P
Corrected format of error tag; added location indicators.

LXH4006 [Modified] VCS Label: A3_1P
Added missing error tags.

LXH4009 [Modified] VCS Label: A3_1P
Added missing error tags.

LXH4013 [Modified] VCS Label: A3_1P
Added missing error tags.

LXH4014 [Modified] VCS Label: A3_1P
Added missing error tags.

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Support
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FDD2B00 [New] VCS Label: A3_1Z
A foundation for Stream_Size aspect tests.

IMPDEF [Modified] VCS Label: A3_1K
[VCS Label A3_1B] Added constants for the external names for the imported and exported routines in test CXB3017. The change is only needed for that test, it has no effect on any other test.
[VCS Label A3_1E] Added constants for the names of environment variables used by tests CXAH001 and CXAH002. Also removed obsolete .AW file constants (these are not used as test source has been provided in UTF-8 format since the release of ACATS 3.0). The change is only needed for those tests, it has no effect on any other tests.
[VCS Label A3_1F] Added a constant and function used by test CXAG001. The change is only needed for that test, it has no effect on any other tests.
[VCS Label A3_1K] Added constants for the external name for the imported routine in test CXB3023. The change is only needed for that test, it has no effect on any other test.

TCTOUCH.ADA [Modified] VCS Label: A3_1S
Added code so that Touch only reports buffer overflow once.

How to get new and modified tests:

The official home of the ACATS test suite is the ACAA web site. The site can be accessed at www.ada-auth.org.

The complete set of official new and modified tests are available in the Mod_3_1CC.Zip and Tar files on the ACAA web site. As always, when a multi-file test is modified, we provide all of the files, including the unmodified files.

Individual new and modified tests can be retrieved from the ACATS VCS. Simply navigate to the appropriate directory (folder), and select the test you want. Select the revision you want (usually the most recent) and it will be retrieved for you. Tests are stored in directories that correspond to the test's prefix. For instance, the test CD92001.A will be found in the CD directory. You can also browse the differences between versions of a test. [In case of a conflict, the files in the ACATS VCS should be considered the 'official' versions.]

If you cannot get the files from the official site or you cannot get the files in a format appropriate for your processor, please contact your ACAL.

The baseline ACATS 3.1 is available in various formats on the ACAA web site.

Summary lists:

Withdrawn Tests

(Refer to the main list for details)

B38105A
B43102A
B74001A
B74001B
B74203E

B83004A
B83004B
B83004C
B83004D
BA1101E
BC2001D
BC2001E
C62003A
C95072A
CC3017C
CD1009A
CD1009B
CD1009L
CD1009M
CD2A21C
CD2A31C
CD33001
CD33002

Allowed Modification Tests

(Refer to the main list for details)

B32201A	ACATS 3.2
B33101A	ACATS 3.2
B35901C	ACATS 3.2
B36102A	ACATS 3.2
B370002	ACATS 3.2
B38103A	ACATS 3.2
B38103B	ACATS 3.2

B38103C	ACATS	3.2	
B38103D	ACATS	3.2	
B38103E	ACATS	3.2	
B393005	ACATS	3.2	
B393008	ACATS	3.2	
B393009	ACATS	3.2	
B394001	ACATS	3.2	
B394A01	ACATS	3.2	
B394A02	ACATS	3.2	
B394A03	ACATS	3.2	
B394A04	ACATS	3.2	
B394A05	ACATS	3.2	
B41327B	ACATS	3.2	
B43201A	ACATS	3.2	
B43201C	ACATS	3.2	
B43202A	ACATS	3.2	
B460002	ACATS	3.2	
B480002	ACATS	3.2	[VCS Label A3_1CC]
B48002A	ACATS	3.2	
B48002G	ACATS	3.2	
B48003B	ACATS	3.2	
B48003E	ACATS	3.2	
B49005A	ACATS	3.2	
B56001A	ACATS	3.2	
B57001B	ACATS	3.2	
B650003	ACATS	3.2	
B660001	ACATS	3.2	
B660002	ACATS	3.2	
B66001A	ACATS	3.2	
B66001B	ACATS	3.2	
B67001C	ACATS	3.2	
B730007	ACATS	3.2	
B730008	ACATS	3.2	[VCS Label A3_1CC]
B730009	ACATS	3.2	[VCS Label A3_1CC]
B740002	ACATS	3.2	
B74101A	ACATS	3.2	
B74104A	ACATS	3.2	
B830001	ACATS	3.2	
B83001A	ACATS	3.2	
B83003A	ACATS	3.2	
B83003B	ACATS	3.2	
B95094A	ACATS	3.2	
BA21A01	ACATS	3.2	
BC1201F	ACATS	3.2	
BC1201G	ACATS	3.2	
BC1201H	ACATS	3.2	
BC1201I	ACATS	3.2	
BC30001	ACATS	3.2	
BC3013A	ACATS	3.2	
BC3018A	ACATS	3.2	
BC51019	ACATS	3.2	
BC51020	ACATS	3.2	
BC51B02	ACATS	3.2	
BC51C01	ACATS	3.2	
BC51C02	ACATS	3.2	
BC60001	ACATS	3.2	[VCS Label A3_1CC]
BC60002	ACATS	3.2	[VCS Label A3_1CC]

BDE0007	ACATS 3.2
CXAI001	2021-10-01 [VCS Label A3_1CC]
CXAIA01	2021-10-01 [VCS Label A3_1CC]
CXB3013	2021-10-01

Modified Tests

(Refer to the main list for details)

B33001A
B37309B
B37310B
B37311A
B38003D
B392002
B392003
B392004
B392005
B393001
B393005
B393007
B393010
B3A1001
B3A1002
B3A2007
B3A2008
B3A2009
B3A2011
B3A2012
B3A2016
B413004
B455002
B4A010C
B54B01B
B54B01C
B54B02B
B54B02C
B54B02D
B54B04A
B54B04B
B54B05A
B55B12B
B55B12C
B62001C
B62001D
B65005A
B65005B
B730006
B73001A
B73001B
B73001C
B73001D
B73001E
B73001F
B73001G
B73001H

B740003
B750A01
B750A02
B83027B
B83027D
B83E01B
B83F02C
B91003A
B91003B
B91003C
B91003D
B940003
B940004
B95007B
BA1001D
BA1020F
BA11007
BA11013
BA12010
BC51016
BD4003A
BDD2004
BDB0A01
BDD2003
BXC6A03
C352001
C52101A
C540002
C94001A
C94001B
C94001C
C94002A
C94004A
C94004B
C94004C
C94005A
C94005B
C94007A
C94010A
C95012A
C97307A
CC30003
CXD2007
CXDB001
CXDB002
CXDB003
CXDB004
CXG2001
IMPDEF
LXD7001
LXD7003
LXD7004
LXD7005
LXD7006
LXD7007
LXD7008
LXD7009

LXH4001
LXH4003
LXH4006
LXH4009
LXH4013
LXH4014
TCTOUCH

New Tests

(Refer to the main list for details)

B354002
B393011
B3A1007
B3A1008
B3A1009
B3A1A05
B3A2017
B431006
B452002
B480002 [VCS Label A3_1F]
B480003
B480004
B540002
B631001
B640001
B651001
B730008 [VCS Label A3_1A]
B730009 [VCS Label A3_1F]
B730010
B730011
B730012
B730013
B750A04
B750A06
B831004
B840002
B853001
B854002
B854003
B854004
B940008
B940009
B940010
B940011
B952005
BA12017
BA12018
BA14001
BA14002
BA14003
BA15003
BB42001

BB42002
BB42003
BC40003
BC54004
BC60001 [VCS Label A3_1D]
BC60002 [VCS Label A3_1H]
BC60004
BC60005
BDD2004
BDD2006
C354004
C390012
C391003
C3A0030
C3A1003
C3A1004
C3A2004
C452A01
C452A02
C452A03
C453001
C460014
C460015
C480001
C540001
C620001
C620002
C640002
C651001
C660001
C760015
C760A02
C920001
C940017
CB30001
CB42001
CB42002
CB42003
CC30004
CC60001
CD30008
CD30009
CD30011
CD30012
CDD2B01
CDD2B03
CXA4037
CXA5016
CXAA021
CXAA022
CXAB002
CXAB003
CXAB004
CXAB005
CXAC008
CXAG001
CXAH001

CXAH002
CXAI001 [VCS Label A3_1A]
CXAI002
CXAI003
CXAI004
CXAI005
CXAI006
CXAIA01 [VCS Label A3_1A]
CXAIA02
CXAIA03
CXAIA04
CXAIA05
CXAIA06
CXB3017
CXB3023
FDD2B00
FXAIA00

Pending New Tests

(Refer to the main list for details)

B830003	2022-01-01
B830004	2022-01-01
B830005	2022-01-01
B830006	2022-01-01
BC10001	2022-01-01