ACATS Modification List for ACATS 4.1

Version 4.1U December 31, 2020

What is this?

This is the ACATS modification list for ACATS 4.1. This document includes test corrections, test removals, and new tests for ACATS 4.1. ACATS 4.1 is the current test suite for Ada, covering the third edition of Ada, ISO/IEC 8652:2012 (usually known as "Ada 2012").

ACATS Modification List version 3.1BB for ACATS 3.1 is the current list for that test suite. ACATS 3.1 should be used for testing implementations that support Amendment 1 (ISO/IEC 8652:1995/AMD 1:2007, often known as "Ada 2005"), and will continue to be maintained as necessary for the foreseeable future.

ACATS Modification List version 2.6H for ACATS 2.6 is the current list for that test suite. ACATS 2.6 should be used for testing implementations of the second edition of Ada, ISO/IEC 8652:1995 (usually known as "Ada 95"); it also will continue to be maintained as necessary for the foreseeable future.

Changes from the last list:

Tests CXAIB01, CXAIB02, CXAIB03, and CXAIB04 had an error corrected – some of the Insert calls had a parameter with the wrong instance prefixing No_Element.

Note: Some Allowed Modification tests have a required date of "ACATS 4.2". 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 4.2) is issued (not likely before winter 2021; it will be announced at least 90 days in advance of issuance).

New tests posted between October 1, 2020 and December 31, 2020 will become required for conformity assessments on July 1, 2021. New tests posted between July 1, 2020 and September 30, 2020 will become required for conformity assessments on April 1, 2021. New tests posted between April 1, 2020 and June 30, 2020 will become required for conformity assessments on January 1, 2021. New tests posted before April 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.

ACATS 4.1 includes optional Test Grading tools

ACATS 4.1 introduces new test grading tools.

When the ACATS was designed (as the ACVC in the early 1980s), the intention always was that running it would give a simple and clear Pass or Fail result. However, grading of tests (particularly of B and L Tests) is somewhat subjective and very time-consuming. (Test grading typically involved poring over compiler listings of the entire ACATS with a large highlighter.) The subjectivity was acceptable in the days of common formal testing, as the formal testers would enforce a common grading standard (even if no one could describe what that was), but in an age of self-testing, it reduces the value of the ACATS.

As such, we're introducing a long-overdue set of automated grading tools. These tools are intended to:

- Greatly reduce the effort to grade an ACATS test run (and, hopefully to reduce the cost of formal testing to make it a more practical option);
- Ensure that all users of the ACATS grade tests in the same way, thus making it more valid to compare ACATS results between different implementations and different testers;

- Give implementers certainty as to whether a particular test result is passing (whether the location of an error is "close enough" to the canonical position);
- Be able to detect process errors (especially errors of omission) that is, tests improperly run (for instance, files compiled in the wrong order where the ACATS requires an order), or not run at all (if one is checking off lines in a listing, it's hard to notice that some test or portion of a test is missing).

The tools also will optionally give feedback to implementers about quality of error message positioning and of error cascades (does one error generate multiple messages?). (Since "goodness of an implementation" is not something that the ACATS tests for, this is not an official goal for the tools.)

This is an ambitious set of goals. It's unlikely that they'll be completely met by the initial versions of the tools. As such, their use will be completely optional (but encouraged!) for ACATS 4.1. The tools will be updated periodically by the normal process for updating the ACATS – an ACATS Modification List like this one.

Details on the operation of the tools can be found in the ACATS 4.1 documentation (that documentation can be found at http://www.ada-auth.org/acats-files/4.1/docs/UG-6.HTM). As always, if you have questions, contact the ACAA Technical Agent at agent@ada-auth.org.

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.ada. 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.ada-auth.org/standards/rm12_w_tc1/html/RM-TOC.html.

Main list:

===== Core Language =====

Category Version label (effective date; old version label) Name Short description. B32201A [Allowed Modification] New VCS Label: A4 1P Org VCS Label: A4 1 Required in ACATS 4.2 Added error location indicators. B33001A [Modified] VCS Label: A4 1P Added error location indicators, added additional possible error locations, restored likely intended test for Set2. B33101A [Allowed Modification] New VCS Label: A4 1P Org VCS Label: A4 1 Required in ACATS 4.2 Added error location indicators. B350001 [New] VCS Label: A4 1Q Check that the requirements on the specification of the Default Value aspect are enforced. C350001 [New] VCS Label: A4 1D Check that the object form of the Image attribute is implemented. C350A01 [Pending New] VCS Label: A4 1R Required after 2021-01-01 Check that objects of types with specified Default Values are properly initialized. Part 1: Normal discrete types. C350A02 [Pending New] VCS Label: A4 1R Required after 2021-01-01 Check that objects of types with specified Default Values are properly initialized. Part 2: Generic discrete types. C350B01 [Pending New] VCS Label: A4 1R Required after 2021-01-01 Check that objects of types with specified Default Values are properly initialized. Part 3: Normal real types. C350B02 [Pending New] VCS Label: A4 1R Required after 2021-01-01 Check that objects of types with specified Default Values are properly initialized. Part 4: Generic real types. C352001 [Modified] VCS Label: A4 1D Corrected Failed message (267) to reflect intended result. B354002 [New] VCS Label: A4 1D Test basic requirements for the Mod attribute. C354004 [New] VCS Label: A4 1D Test basic operation of the Mod attribute. B35A001 [New] VCS Label: A4 1D Check Legality Rules are enforced when Small is specified by an aspect specification. C35A001 [New] VCS Label: A4 1D

Check that Small can be specified by an aspect specification. B360001 [New] VCS Label: A4 1Q Check that the requirements on the specification of the Default Component Value aspect are enforced. C360A01 [Pending New] VCS Label: A4 1S Required after 2021-04-01 Check that objects of types with specified Default Component Values are properly initialized. Part 1: Arrays of discrete types. C360A02 [Pending New] VCS Label: A4 1S Required after 2021-04-01 Check that objects of types with specified Default Component Values are properly initialized. Part 2: Generic arrays of discrete types. C360B01 [Pending New] VCS Label: A4 1S Required after 2021-04-01 Check that objects of types with specified Default Component Values are properly initialized. Part 3: Arrays of real types. C360B02 [Pending New] VCS Label: A4 1S Required after 2021-04-01 Check that objects of types with specified Default Component Values are properly initialized. Part 4: Generic arrays of real types. B37309B [Modified] VCS Label: A4 1G Added additional error locations to directly support common error reporting strategies. B37310B [Modified] VCS Label: A4 1G Added additional error locations to directly support common error reporting strategies. B37311A [Modified] VCS Label: A4 1G Added additional error locations to directly support common error reporting strategies. B38003D [Modified] VCS Label: A4 1A 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: A4 1P Org VCS Label: A4 1 Required in ACATS 4.2 Added error location indicators. B38103B [Allowed Modification] New VCS Label: A4 1P Org VCS Label: A4 1 Required in ACATS 4.2 Added error location indicators. B38103C [Allowed Modification] New VCS Label: A4 1P Org VCS Label: A4 1 Required in ACATS 4.2 Added error location indicators.

- B38103D [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B38103E [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B392002 [Modified] VCS Label: A4_1G Revised to use Possible Error tags, and added error location indicators.
- B392003 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B392004 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B392005 [Modified] VCS Label: A4_1G Revised to use Possible Error tags, and added error location indicators.
- B393001 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B393007 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies. Fixed overlong lines.
- B393010 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies. Fixed overlong lines.
- B393012 [Pending New] New VCS Label: A4 1P Required after 2020-07-01 Check that abstract types cannot be used in additional contexts that do not allow abstract types.
- B393013 [Pending New] New VCS Label: A4_1P Required after 2020-07-01 Check that interface types cannot be used in additional contexts that do not allow abstract types.
- C3A0030 [New] VCS Label: A4_1A Check that an access discriminant is only null excluding if it includes a null exclusion.
- B3A1001 [Modified] VCS Label: A4_1A Split Pack6 so possible error sets don't intersect; fixed overlong lines.
- B3A1002 [Modified] VCS Label: A4_1A Split Pack6 so possible error sets don't intersect; fixed

overlong lines.

- B3A2007 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B3A2008 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B3A2009 [Modified] VCS Label: A4_1G Removed tabs to meet test format standards; added error location indicators.
- B3A2011 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B3A2012 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B3A2016 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B3A2018 [New] VCS Label: A4_1H Check that an explicitly aliased parameter has the same accessibility level as a normal parameter unless compared to the return object. Check that master of the function call is properly determined statically.
- B3A2018 [Allowed Modification] New VCS Label: A4_1T Org VCS Label: A4_1H Required after 2021-04-01 Corrected so that it is not affected by whether AI12-0345-1, AI12-0402-1, and AI12-0390-1 are implemented.
- B413004 [Modified] VCS Label: A4_1J PPA and PFA trigger the issue of AI12-0289-1; explicit null exclusions were added to the parameters to avoid it.
- C415001 [Modified] VCS Label: A4_1P [VCS Label A4_1N] Return @119 fails an accessibility check unless C is aliased. [VCS Label A4_1P] The subtype of My_Colln @125 needs to be either discriminated or to statically match that of the formal types of the parameters.
- B431007 [Pending New] New VCS Label: A4_1P Required after 2020-07-01 Check that record aggregates are not allowed for types whose components aren't visible.
- B432002 [Pending New] New VCS Label: A4_1P Required after 2020-07-01 Check that all of the extensions of an extension aggregate are record extensions.

B432003 [Pending New] New VCS Label: A4 1P Required after 2020-07-01 Check that the ancestor subtype mark of an extension aggregate does not denote a view with unknown discriminants. B452001 [New] VCS Label: A4 1K Check that a membership that contains choice expressions is illegal for a limited type that does not have equality. B452002 [New] VCS Label: A4 1L Check that Resolution and Legality Rules for the universal access equality operator are enforced. C452002 [New] VCS Label: A4 1F [VCS Label A4 1D] Check that overloading resolution of Ada 2012 membership operations works as intended. [VCS Label A4 1F] Fixed incorrect test number passed to Report. C452003 [New] VCS Label: A4 1R [VCS Label A4 1K] Check that memberships of general access-toobject types work as defined. [VCS Label A4 1R] Corrected Force Save and Force Op. C452004 [New] VCS Label: A4 1Q [VCS Label A4 1L] Check that memberships with multiple choices are evaluated as required, and that the correct equality operation is called for untagged record types. [VCS Label A4 10] LTemp and RTemp @ 136 and 164 should be declared Integer rather than Natural, as the numerators are of type Integer and can be negative. C452005 [New] VCS Label: A4 1L Check that memberships with multiple choices call the correct equality operation for array types. C452006 [New] VCS Label: A4 1M [VCS Label A4 1L] Check that memberships with multiple choices call the correct equality operation for access types. [VCS Label A4 1M] Corrected to remove cases made illegal by AI12-0328-1. C452A01 [New] VCS Label: A4 1K Check that "=" for language-defined private types behaves as if it is predefined. Part 1: core types. C452A02 [New] VCS Label: A4 1K 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: A4 1K Check that "=" for language-defined private types behaves as if it is predefined. Part 3: Annex C types. C453001 [New] VCS Label: A4 1D

Check that modular adding operators wrap around rather than raising Constraint Error.

- B455002 [Modified] VCS Label: A4_1A Corrected casing of error tags and fixed overlong lines.
- B457001 [Modified] VCS Label: A4_1F Fixed overlong lines. Added location indicators.
- B457004 [Modified] VCS Label: A4_1F There should not be an ERROR tag @282; Single_Highest @290 should be Single High. Added location indicators.
- B458001 [New] VCS Label: A4_1F Check that a quantified expression has to be surrounded in parentheses if it is not already surrounded by them.
- C460014 [New] VCS Label: A4_1C Check that Constraint_Error is raised appropriately when converting access-to-classwide to another access type.
- C460015 [New] VCS Label: A4_1C Check that Constraint_Error is raised appropriately when converting access-to-limited-classwide to another access type.
- B470001 [New] VCS Label: A4_1D Check that qualified expressions are a constant view of the expression, even if the expression is a variable object.
- C470001 [New] VCS Label: A4_1D Check that qualified expressions are a name, and thus can be used as a prefix and other places a name is required.
- C480001 [New] VCS Label: A4_1D [VCS Label A4_1A] Check that an initialized allocator for a class-wide type does an accessibility check on the tag of the initializing object. [VCS Label A4_1D] 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.
- B480004 [New] VCS Label: A4_1G Check that an allocator is illegal if the access type has a Storage_Size that is statically zero.
- B48002A [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B48002G [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B48003B [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B48003E [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2

Added error location indicators.

- B490003 [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Moved error tags to more usual locations, added error location indicators.
- B4A010C [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- C52101A [Modified] VCS Label: A4_1A Corrected comment @49 not to have the form of an error tag.
- B540001 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B540002 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B54B01B [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B54B01C [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B54B02B [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B54B02C [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B54B02D [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B54B04A [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B54B04B [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B54B05A [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B551002 [Modified] VCS Label: A4_1N Revised test to remove dependence on Ada.Iterator Interfaces.

- B552A01 [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies. Fixed an overlong line.
- B55B12B [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B55B12C [Modified] VCS Label: A4_1G Added additional error locations to directly support common error reporting strategies.
- B56001A [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B57001B [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B611001 [New] VCS Label: A4_1A Check that Pre and Post are only allowed on subprograms and entries (and not on subprogram instances).
- B611002 [New] VCS Label: A4_1C
 [VCS Label A4_1A] Check that Pre and Post are not allowed on
 subprograms acting as completions.
 [VCS Label A4_1C] Corrected several error location codes.
- B611003 [New] VCS Label: A4_1A Check that Pre'Class and Post'Class are only allowed on primitive subprograms of tagged types. (Normal tagged types and interfaces.)
- B611004 [New] VCS Label: A4_1A Check that Pre'Class and Post'Class are not allowed on subprograms acting as completions.
- B611005 [New] VCS Label: A4_1A Check that Pre and Post are not allowed on abstract subprograms and null procedures.
- B611006 [New] VCS Label: A4_1C
 [VCS Label A4_1A] Check that the restrictions on Pre'Class and
 Post'Class expressions added by AI12-0113-1 are enforced.
 [VCS Label A4_1C] Clarified error @208; changed error @233 & @247
 to OK (as the inherited Proc4 routine is abstract and thus is not
 subject to the new rule).
- B611007 [New] VCS Label: A4_1F
 [VCS Label A4_1A] Check that Pre'Class and Post'Class are not
 allowed on entries and protected subprograms of untagged task and
 protected types.
 [VCS Label A4_1F] Corrected preconditions @77 and @110 not to
 violate the new rule added by Binding Interpretation AI12-0166-1.
- B611008 [New] VCS Label: A4_1A Check various rules about the use of the Result attribute.

- B611009 [New] VCS Label: A4_1A Check that F'Result is not allowed in the body of F.
- B611010 [New] VCS Label: A4_1A Check that the Old attribute is not allowed in a subprogram or entry body, or in an accept statement.
- B611011 [New] VCS Label: A4_1A Check the Old attribute cannot be used within a precondition expression nor in a generic specification outside of a postcondition expression.
- B611012 [New] VCS Label: A4_1A Check that the prefix of an Old attribute cannot contain the Result attribute, another Old attribute, nor the index of a quantified expression.
- B611013 [New] VCS Label: A4_1A For a discrete X, check that X'Old has the nominal subtype of X.
- B611014 [New] VCS Label: A4_1C
 [VCS Label A4_1B] If an Old attribute reference occurs at a
 place where it is potentially unevaluated, check that the prefix
 must statically denote an object.
 [VCS Label A4 1C] Corrected error location codes @240 and @252.
- B611015 [New] VCS Label: A4_1B Check that the prefix of an Old attribute cannot have a limited type.
- B611016 [New] VCS Label: A4_1B Check that tagged task and tagged protected types do not allow Pre'Class and Post'Class, nor are they allowed on operations of those types.
- B611017 [New] VCS Label: A4_1C [VCS Label A4_1B] Check that Pre'Class cannot be specified for an overriding of a subprogram that does not specify Pre'Class. [VCS Label A4_1C] Declaration of New_Proc @358 is not overriding and thus not subject to the rule. The declaration of Shine @149 never overrides primitives of the actual type by 12.3(18), thus this rule does not apply to instances of Gen2. Added an example using a generic derived type.
- B611018 [New] VCS Label: A4_1C
 [VCS Label A4_1B] Check 6.1.1(10-16/3).
 [VCS Label A4_1C] Type T08 @230 and @241 needs to be declared
 abstract.
- B611019 [New] VCS Label: A4_1C
 [VCS Label A4_1B] Check 6.1.1(17/3).
 [VCS Label A4_1C] The declaration of Get_Count @112
 never overrides primitives of the actual type by 12.3(18), thus
 this rule does not apply to instances of Gen2. Added examples
 using generic derived types.

C611A01 [New] VCS Label: A4 1A Check that preconditions and postconditions where both specific and class-wide contracts apply are checked properly. C611A02 [New] VCS Label: A4 1C [VCS Label A4 1A] Check that the correct expressions are evaluated for specific preconditions and postconditions, and that they are evaluated at the correct point. [VCS Label A4 1C] The main subprogram name was corrected to follow the rules of the ACATS User's Guide, clause 4.3.3. C611A03 [New] VCS Label: A4 1C [VCS Label A4 1A] Check that the correct expressions are evaluated for class-wide preconditions and postconditions, and that they are evaluated at the correct point. [VCS Label A4 1C] The main subprogram name was corrected to follow the rules of the ACATS User's Guide, clause 4.3.3. C611A04 [New] VCS Label: A4 1D [VCS Label A4 1C] Check that the correct expressions are evaluated for class-wide preconditions and postconditions of an interface type, and that they are evaluated at the correct point. [VCS Label A4 1D] Fixed overlong lines. C611B01 [New] VCS Label: A4 1C [VCS Label A4 1A] Check that X'Old has the tag of X and not the tag of the nominal subtype of X (for Post). [VCS Label A4 1C] The main subprogram name was corrected to follow the rules of the ACATS User's Guide, clause 4.3.3. C611B02 [New] VCS Label: A4 1C [VCS Label A4 1A] Check that X'Old has the tag of X and not the tag of the nominal subtype of X (for Post'Class). [VCS Label A4 1C] The main subprogram name was corrected to follow the rules of the ACATS User's Guide, clause 4.3.3. C611B03 [New] VCS Label: A4 1D [VCS Label A4 1C] Check that X'Old has the tag of X and not the tag of the nominal subtype of X (for Post'Class of an interface type). [VCS Label A4 1D] Fixed overlong lines. C620002 [Pending New] New VCS Label: A4 1R Required after 2021-01-01 Modernizes, adds test cases to, and eliminates illegal calls from legacy test C95072A. B62001C [Modified] VCS Label: A4 1A 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: A4 1A 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).

- B631001 [New] VCS Label: A4_1N Check that a prefixed view is intrinsic.
- B65005A [Modified] VCS Label: A4_1D Added additional error locations to directly support common error reporting strategies.
- B65005B [Modified] VCS Label: A4_1D Added additional error locations to directly support common error reporting strategies.
- C650B04 [New] VCS Label: A4_1A Check that the result of a function that returns a class-wide tagged type does an accessibility check on the tag of the result object when the result expression is class-wide.
- B651001 [New] VCS Label: A4_1D
 [VCS Label A4_1D] 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).
- C651001 [New] VCS Label: A4_1D Check that a nonreturning procedure can raise an exception and raises Program_Error otherwise (pragma No_Return version).
- B651002 [New] VCS Label: A4_1D 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 (aspect No_Return version).
- C651002 [New] VCS Label: A4_1D Check that a nonreturning procedure can raise an exception and raises Program Error otherwise (aspect No Return version).
- B651003 [New] VCS Label: A4_1D Check that an aspect No_Return can only be given on a procedure or generic procedure, that the expression has to be nonstatic, and that the aspect is not given on an instance or null procedure.
- B660002 [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B660003 [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Fixed overlong lines, added error location indicators.
- B66001A [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.

- B66001B [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- B680001 [Modified] VCS Label: A4_1F The immediately enclosing expression function @140 does not declare a parameter A, but A is used @141. Added location indicators.
- B730006 [Modified] VCS Label: A4_1C Corrected format of error tags; added location indicators.
- B730011 [New] VCS Label: A4_1C Test various rules about completions of private types and extensions; replaces test B74001A.
- B730012 [New] VCS Label: A4_1C Test various rules about completions of private types and extensions in generic units; replaces test B74001B.
- B730013 [New] VCS Label: A4_1D Test operations available for a private type; replaces test B74203E.
- B73001A [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B73001B [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B73001C [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B73001D [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B73001E [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B73001F [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B73001G [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B73001H [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.

B740003 [Modified] VCS Label: A4 1H

[VCS Label A4 1A] Modified criteria @75 so that it doesn't look like an error tag to the grading tools; also fixed an overlong line. [VCS Label A4 1H] Modified grading to document that processing the main is optional. Added error location indicators. B74001A [Withdrawn] VCS Label: A4 1C Replaced by B730011. B74001B [Withdrawn] VCS Label: A4 1C Replaced by B730012. B74203E [Withdrawn] VCS Label: A4 1D Replaced by B730013. B750A07 [New] VCS Label: A4 1G [VCS Label A4 1A] Check that only legal expressions are allowed in the return expression of an expression function that returns a limited type. [VCS Label A1 1G] Adjusted error indicators to allow the error to be reported anywhere in a multi-line expression. C760A02 [New] VCS Label: A4 1G Checks that functions that return immutably limited types are built-in-place. C760A03 [New] VCS Label: A4 1G Checks that expression functions that return immutably limited types are built-in-place. B83027B [Modified] VCS Label: A4 1G 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: A4 1G Corrected bad error tag, and added error location indicators. B831006 [New] VCS Label: A4 1K Checks that overriding indicators cannot be given on any subprogram declaration in a protected body. B83E01B [Modified] VCS Label: A4 1G Removed possible error cascades, reformatted some error tags, and added error location indicators. B83F02C [Modified] VCS Label: A4 1A Updated many optional error markers to match ACATS standards. B85002A [Withdrawn] VCS Label: A4 1H Replaced by B851005. B85003A [Withdrawn] VCS Label: A4 1H Replaced by B851007. B85003B [Withdrawn] VCS Label: A4 1H Replaced by B851007.

- B851004 [Modified] VCS Label: A4_1J Revised test to eliminate cases whose result would be changed by pending AI12-0287-1, and added cases to preserve complete testing.
- B851005 [New] VCS Label: A4_1H Checks that "known to be constrained" is properly enforced for renames. Part 1: "Normal" cases (no generics or access cases).
- B851006 [New] VCS Label: A4_1H Checks that "known to be constrained" is properly enforced for renames. Part 2: Access cases.
- B851007 [New] VCS Label: A4_1K
 [VCS Label A4_1H] Checks that "known to be constrained" is
 properly enforced for renames. Part 3: Generic cases.
 [VCS Label A4_1K] Corrected types of declaration @198 and @214,
 and mode @328.
- B853001 [New] VCS Label: A4_1H Checks that a renamed limited view cannot be used where there is not a with for the original package.
- B854002 [New] VCS Label: A4_1J [VCS Label A4_1H] 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 A4_1J] Corrected wording of the second test objective. [VCS Label A4_1R] Corrected error markers on RenG51, RenG61, RenGF51, and RenGF61. Corrected renaming @412 to rename the correct function.
- B854003 [New] VCS Label: A4_1J 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: A4_1J Check that renaming a subprogram that requires overriding is illegal.
- B854005 [New] VCS Label: A4_1J Check that a renaming of a prefixed view is illegal if renaming the prefix as an object is illegal.
- B860002 [New] VCS Label: A4_1Q Check that implicit conversions of access types don't allow too much.
- B91003A [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B91003B [Modified] VCS Label: A4_1C Added additional error locations to directly support common error

reporting strategies.

- B91003C [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B91003D [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B940003 [Modified] VCS Label: A4_1C Added additional error locations to directly support common error reporting strategies.
- B940004 [Modified] VCS Label: A4_1C Split into 8 files; added location indicators.
- B940008 [New] VCS Label: A4_1M Check the overriding indicators work properly on protected subprograms.
- B940009 [New] VCS Label: A4_1M Check that the mode and type of the first parameter of protected operations that implement inherited subprograms is correct.
- B940010 [New] VCS Label: A4_1M Check that a protected operation and a primitive subprogram of a tagged protected type cannot have the same profile.
- B940011 [New] VCS Label: A4_1M 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: A4_1M 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: A4_1M Revised test to replace excessive delays with Impdef constants.
- C94001B [Modified] VCS Label: A4_1M Revised test to replace excessive delays with Impdef constants.
- C94001C [Modified] VCS Label: A4_1M Revised test to replace excessive delays with Impdef constants.
- C94002A [Modified] VCS Label: A4_1M Revised test to replace excessive delays with Impdef constants.
- C94004A [Modified] VCS Label: A4_1M Revised test to replace excessive delays with Impdef constants.
- C94004B [Modified] VCS Label: A4_1M Revised test to replace excessive delays with Impdef constants.

C94004C [Modified] VCS Label: A4 1M Revised test to replace excessive delays with Impdef constants. C94005A [Modified] VCS Label: A4 1M Revised test to replace excessive delays with Impdef constants. C94005B [Modified] VCS Label: A4 1M Revised test to replace excessive delays with Impdef constants. C94007A [Modified] VCS Label: A4 1M Revised test to replace excessive delays with Impdef constants. C94010A [Modified] VCS Label: A4 1M Revised test to replace excessive delays with Impdef constants. B95007B [Modified] VCS Label: A4 1A Fixed error markers @62,66,70 to match ACATS standards. C95012A [Modified] VCS Label: A4 1M Revised test to replace excessive delays with Impdef constants. C95072A [Withdrawn] VCS Label: A4 1R Replaced by C620002; it violated the anti-order dependence rules of 6.4.1. B952005 [New] VCS Label: A4 1M Check the overriding indicators work properly on task and protected entries. C97307A [Modified] VCS Label: A4 1M Revised test to replace excessive delays with Impdef constants. BA1001D [Modified] VCS Label: A4 1G 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: A4 1G 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: A4 1G Split into six test files to avoid requiring error recovery. BA11013 [Modified] VCS Label: A4 1G 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: A4 1G Replaced by test BA14001. BA12010 [Modified] VCS Label: A4 1G Revised to use Possible Error tags, and added error location indicators.

- BA12018 [New] VCS Label: A4_1H Check that names mentioned but not named in a private with are also treated as privately withed.
- BA14001 [New] VCS Label: A4_1G Replaces test BA1101E with modern format and additional test cases for Ada 95 compilation units.
- BA14002 [New] VCS Label: A4_1G Similar to BA14001, testing private with.
- BA14003 [New] VCS Label: A4_1G Checks that a unit is illegal if it depends on two versions of the same unit.
- BA21005 [New] VCS Label: A4_1D Test that Pure and Preelaborate aspects cannot be specified late, with a nonstatic expression, or an expression of a type other than Boolean.
- BB42001 [New] VCS Label: A4_1C [VCS Label A4_1A] Check that the arguments of a pragma Assert have to have the correct types. [VCS Label A4 1C] Corrected two incorrect error location codes.
- CB42001 [New] VCS Label: A4_1A Check the usual operation of pragma Assert, including the optional message.
- BB42002 [New] New VCS Label: A4_1A Check that the arguments of a pragma Assert cannot be reordered even if named notation is used.
- CB42002 [New] New VCS Label: A4_1A 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: A4_1A Check that a pragma Assertion_Policy is illegal if the policy is not recognized.
- CB42003 [New] VCS Label: A4_1A Check that procedure Ada.Assertions.Assert evaluates its arguments and raises Assertion_Error regardless of the assertion policy.
- CC3601C [Modified] VCS Label: A4_1E Moved "=" for type Rec in order that it not violate 4.5.2(9.8/4).
- BC40003 [Pending New] VCS Label: A4_1J [VCS A4_1H] Checks that the subtype of the actual for a generic formal object with a null exclusion must exclude null. [VCS A4_1J] Revised test to eliminate cases whose result would be changed by pending AI12-0287-1, and to preserve complete testing.
- CC51010 [Modified] VCS Label: A4_1F The main subprogram name was corrected to follow the rules of the

ACATS User's Guide, clause 4.3.3.

- BC51016 [Modified] VCS Label: A4_1G Corrected bad error tag, and added error location indicators.
- BC51019 [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- BC51020 [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- BC51B02 [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- BC51C01 [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- BC51C02 [Allowed Modification] New VCS Label: A4_1P Org VCS Label: A4_1 Required in ACATS 4.2 Added error location indicators.
- BC54004 [New] VCS Label: A4_1H Checks that the null exclusion of the formal type and of the actual subtype for a generic formal access type must match.
- BC55001 [Pending New] New VCS Label: A4_1P Required after 2020-07-01 Check that formal interface types cannot be used in contexts that do not allow abstract types.
- BC60005 [New] VCS Label: A4_1J [VCS Label A4_1H] 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 A4_1J] Corrected wording of the second test objective. [VCS Label A4_1Q] Corrected error markers on InstG51, InstG61, InstGF51, and InstGF61. [VCS Label A4_1R] Corrected instance @437 to use correct actual parameter.
- BD10001 [Pending New] VCS Label: A4_1R Required after 2021-01-01 Check that an aspect cannot be specified in multiple ways for a single entity.
- CD1009A [Withdrawn] VCS Label: A4_1D Has one of the objectives of, and thus redundant with, test CD2A31C (now CD30012).
- CD1009B [Withdrawn] VCS Label: A4_1D Has one of the objectives of, and thus redundant with, test CD2A21C (now CD30011).

CD1009L [Withdrawn] VCS Label: A4 1D Virtually identical to, and thus redundant with, test CD2D13A. CD1009M [Withdrawn] VCS Label: A4 1D Virtually identical to, and thus redundant with, test CD3014C. CD11001 [New] VCS Label: A4 1A Check that appropriate entities are visible in an aspect specification. CD2A21C [Withdrawn] VCS Label: A4 1D Replaced by CD30011. CD2A31C [Withdrawn] VCS Label: A4 1D Replaced by CD30012. BD30001 [New] VCS Label: A4 1D Check Legality Rules are enforced when Size is specified by an aspect specification for a type. BD30002 [New] VCS Label: A4 1D Check Legality Rules are enforced when Alignment is specified by an aspect specification for a type. BD30003 [New] VCS Label: A4 1D Check Legality Rules are enforced when Component Size is specified by an aspect specification. CD30010 [New] VCS Label: A4 1D Check that Component Size can be specified via an aspect specification. CD30011 [New] VCS Label: A4 1D 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: A4 1D 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. BD4003A [Modified] VCS Label: A4 1A Moved error marker from @66 to @67 so it is on the incorrect construct. BDB0A01 [Modified] VCS Label: A4 1G Revised to use Possible Error tags, and added error location indicators. BDB2001 [New] VCS Label: A4 1G Check that a call on an instance of Unchecked Deallocation is illegal if the access type has a Storage Size that is statically

zero.

BDB4001 [Pending New] New VCS Label: A4 1P Required after 2020-07-01 Check that the object for a pool that supports subpools is declared in the same scope as the access type that uses it. BDD2003 [Modified] VCS Label: A4 1G Added additional error locations to directly support common error reporting strategies. BDD2006 [New] VCS Label: A4 1Q Check that the requirements for specifying the Stream Size attribute are enforced. BDD2007 [New] VCS Label: A4 1Q Check that the requirements for specifying the Stream Size aspect are enforced. CDD2B01 [New] VCS Label: A4 1Q Check that confirming Stream Size attributes work as expected. CDD2B02 [New] VCS Label: A4 1Q Check that confirming Stream Size aspects work as expected. CDD2B03 [New] VCS Label: A4 1Q Check that non-confirming Stream Size attributes work as expected. CDD2B04 [New] VCS Label: A4 10 Check that non-confirming Stream Size aspects work as expected. CDE0002 [Modified] VCS Label: A4 1E Changed to use Storage Size rather than Size so that the static expression rule of 13.14(7.2/3) is not triggered. CXAC009 [New] VCS Label: A4 1D Check that Stream_IO.File_Type has Preelaborable_Initialization. CXAG003 [New] VCS Label: A4 1H [VCS Label A4 1G] Check that function Ada.Directories.Name Case Equivalence exists and that it reflects the handling of file names. [VCS Label A4 1H] Added "return;" @171; if the file can't be opened, the Read File trial is complete. CXAIB01 [Pending New] VCS Label: A4 1U Required after 2021-07-01 [VCS Label A4 1T] Check that Ada.Containers.Vectors is preelaborated, and it and types declared in it can be used in preelaborated packages. [VCS Label A4 1U] Corrected instance prefix of No Element in some Insert calls. Qualified aggregates to avoid issues for Ada 202x. CXAIB02 [Pending New] VCS Label: A4 1U Required after 2021-07-01 [VCS Label A4 1T] Check that Ada.Containers.Bounded Vectors is preelaborated, and it and types declared in it can be used in

preelaborated packages. [VCS Label A4 1U] Corrected instance prefix of No Element in some Insert calls. Qualified aggregates to avoid issues for Ada 202x. CXAIB03 [Pending New] VCS Label: A4 1U Required after 2021-07-01 [VCS Label A4 1T] Check that Ada.Containers.Doubly Linked Lists is preelaborated, and it and types declared in it can be used in preelaborated packages. [VCS Label A4 1U] Corrected instance prefix of No Element in some Insert calls. CXAIB04 [Pending New] VCS Label: A4 1U Required after $20\overline{2}1-07-01$ [VCS Label A4 1T] Check that Ada.Containers.Bounded Doubly Linked Lists is preelaborated, and it and types declared in it can be used in preelaborated packages. [VCS Label A4 1U] Corrected instance prefix of No Element in some Insert calls. CXAIB05 [Pending New] VCS Label: A4 1T Required after 2021-07-01 Check that Ada.Containers.Ordered Maps is preelaborated, and it and types declared in it can be used in preelaborated packages. CXAIB06 [Pending New] VCS Label: A4 1T Required after 2021-07-01 Check that Ada.Containers.Bounded Ordered Maps is preelaborated, and it and types declared in it can be used in preelaborated packages. CXAIB07 [Pending New] VCS Label: A4 1T Required after 2021-07-01 Check that Ada.Containers.Hashed Maps is preelaborated, and it and types declared in it can be used in preelaborated packages. CXAIB08 [Pending New] VCS Label: A4 1T Required after 2021-07-01 Check that Ada.Containers.Bounded Hashed Maps is preelaborated, and it and types declared in it can be used in preelaborated packages. CXB3019 [Allowed Modification] New VCS Label: A4 1S Org VCS Label: A4 1 Required after 2021-01-01 Added missing failures if Program Error is not raised when expected. CXB3020 [Allowed Modification] New VCS Label: A4 1S Org VCS Label: A4 1 Required after 2021-01-01 Added missing failures if Program Error is not raised when expected. CXB3021 [Allowed Modification] New VCS Label: A4 1S Org VCS Label: A4 1 Required after 2021-01-01

Added missing failures if Program Error is not raised when expected. CXB3022 [Allowed Modification] New VCS Label: A4 1S Org VCS Label: A4 1 Required after 2021-01-01 Added missing failures if Program Error is not raised when expected. CXB3023 [New] VCS Label: A4 1A Check that a value of an unchecked union type (defined with pragma Unchecked Union) can be passed to a C function. CXB3024 [New] VCS Label: A4 1A Check that a value of an unchecked union type (defined with aspect Unchecked Union) can be passed to a C function. ===== Annex C ===== BXC6A03 [Modified] VCS Label: A4 1G Changed subtest result to require the changes of AI05-0218-1. ===== Annex D ===== CXD2007 [Modified] VCS Label: A4 1C Added missing $N/A \implies$ Error tag. LXD7001 [Modified] VCS Label: A4 1C Added missing error tag. LXD7003 [Modified] VCS Label: A4 1C Added missing error tag. LXD7004 [Modified] VCS Label: A4 1C Added missing error tag. LXD7005 [Modified] VCS Label: A4 1C Added missing error tag. LXD7006 [Modified] VCS Label: A4 1C Added missing error tag. LXD7007 [Modified] VCS Label: A4 1C Added missing error tag. LXD7008 [Modified] VCS Label: A4 1C Added missing error tag. LXD7009 [Modified] VCS Label: A4 1C Added location indicators. CXDB001 [Modified] VCS Label: A4 1C Added missing N/A => Error tag. CXDB002 [Modified] VCS Label: A4 1C Added missing $N/A \implies$ Error tag.

CXDB003 [Modified] VCS Label: A4 1C Added missing N/A => Error tag. CXDB004 [Modified] VCS Label: A4 1C Added missing N/A => Error tag.===== Annex E ===== [None.] ===== Annex F ===== [None.] ===== Annex G ===== [None.] ===== Annex H ===== LXH4001 [Modified] VCS Label: A4 1C Corrected format of error tag; added location indicators. LXH4003 [Modified] VCS Label: A4 1C Corrected format of error tag; added location indicators. LXH4006 [Modified] VCS Label: A4 1C Added missing error tags. LXH4009 [Modified] VCS Label: A4 1C Added missing error tags. LXH4013 [Modified] VCS Label: A4 1C Added missing error tags. LXH4014 [Modified] VCS Label: A4 1C Added missing error tags. ===== Support ===== F350A00 [Pending New] New VCS Label: A4 1R Required after 2021-01-01 A foundation for discrete specified Default Value tests. F350B00 [Pending New] New VCS Label: A4 1R Required after 2021-01-01 A foundation for real specified Default Value tests. F360A00 [Pending New] New VCS Label: A4 1S Required after 2021-04-01 A foundation for discrete specified Default_Component_Value tests. F360B00 [Pending New] New VCS Label: A4 1S Required after 2021-04-01A foundation for real specified Default Component Value tests. F611A00 [New] VCS Label: A4 1C

[VCS Label A4 1A] Foundation for tests C611A01, C611A02, and C611A03. [VCS Label A4 1C] Added additional data for test C611A04. The changes are only needed for that test. F611B00 [New] VCS Label: A4 1A Foundation for tests C611B01, C611B02, and C611B03. FDD2B00 [New] VCS Label: A4 1Q A foundation for Stream Size aspect tests. FXAIB00 [Pending New] VCS Label: A4 1T Required after 2021-07-01 A foundation for container preelaboration tests. GRADE.A [Modified] VCS Label: A4 1G [VCS Label A4 1C] Allowed manual grading for tests that are missing execution or linking (with no earlier errors). Corrected the result for binder crashes. Added category totals to the summary. [VCS Label A4 1D] Corrected so that Annex C RQMT failures are properly counted in their own category. [VCS Label A4 1G] Corrected call @1578 so that the special handling flag rather than the failed flag is used with a manual grading message for a missing error set. (The actual grade was correct, only the message was wrong.) GRD DATA.A [Modified] VCS Label: A4 1P [VCS Label A4 1D] Increased table sizes as the new tests have caused grading the entire ACATS to exceed the old limits. [VCS Label A4 1M] Generalized reading of white space in order to be more resilient, especially on Unix-like systems. [VCS Label A4 1P] MAX SUMMARY ITEMS @66 was increased to 40 000 as the ACATS has grown to exceed the old limit. SPECIAL.A [Modified] VCS Label: A4 1J [VCS Label A4 1C] Added test BA21005 to the list of optional main subprograms. [VCS Label A4 1H] Added seven tests to the list of optional main subprograms. [VCS Label A4 1J Added more tests to the list of optional main subprograms. SUMMARY.A [Modified] VCS Label: A4 1C Corrected identification of main subprograms in modern tests. Changed the unit name for subunits to be the full expanded name including the parent name. TCTOUCH.ADA [Modified] VCS Label: A4 1H Added code so that Touch only reports buffer overflow once. Fixed the Id string.

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

The complete set of official new and modified tests are available in the Mod_4_1U.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 4.1 is available in various formats on the ACAA web site.

Summary lists:

Withdrawn Tests

(Refer to the main list for details)

B74001A B74001B B74203E B85002A B85003A B85003B BA1101E C95072A CD1009A CD1009B CD1009L CD1009L CD1009M CD2A21C CD2A31C

Allowed Modification Tests

(Refer to the main list for details)

B32201A	ACATS	4.2			
B33101A	ACATS	4.2			
B38103A	ACATS	4.2			
B38103B	ACATS	4.2			
B38103C	ACATS	4.2			
B38103D	ACATS	4.2			
B38103E	ACATS	4.2			
B3A2018	2021-0	04-01	[VCS	Label	A4_1T]
B48002A	ACATS	4.2			_
B48002G	ACATS	4.2			

B48003B	ACATS 4.2
B48003E	ACATS 4.2
В490003	ACATS 4.2
B56001A	ACATS 4.2
B57001B	ACATS 4.2
B651001	2021-01-01 [VCS Label A4_1S]
B660002	ACATS 4.2
B660003	ACATS 4.2
B66001A	ACATS 4.2
B66001B	ACATS 4.2
BC51019	ACATS 4.2
BC51020	ACATS 4.2
BC51B02	ACATS 4.2
BC51C01	ACATS 4.2
BC51C02	ACATS 4.2
CXB3019	2021-01-01
CXB3020	2021-01-01
CXB3021	2021-01-01
CXB3022	2021-01-01

Modified Tests

(Refer to the main list for details)

B33001A В37309В B37310B B37311A B38003D В392002 B392003 ВЗ92004 ВЗ92005 В393001 ВЗ93007 В393010 B3A1001 B3A1002 B3A2007 B3A2008 B3A2009 B3A2011 B3A2012 B3A2016 B413004 B455002 B457001 B457004 B4A010C B540001 B540002 B54B01B B54B01C B54B02B B54B02C B54B02D

B54B04A
B54B04B
BJ4BUJA
B551002
B552A01
B55B12B
B55B12C
DC00010
B0200IC
B62001D
B63005A
B65005B
B680001
D000001
B/30006
B73001A
B73001B
B73001C
B73001D
D72001E
B/JUUIE
B/3001F
B73001G
B73001H
B732C02
B740003
B740003
B8307/B
B83027D
B83E01B
B83F02C
B851004
BOLLOOA
B9200/B
B91003A
В91003В
B91003C
B01003D
D91003D
B940003
B940004
BA1001D
BA1020F
BA11007
DA11012
DAIIUIS
BA12010
BC51016
BB42001
BD4003A
BDB0A01
DDDOAOI
BDD2003
BXC6A03
C352001
C415001
C52101a
CQ10017
C94001A
C94001B
C94001C
C94002A
C94004A
COADOAR
C94004B
C94004C
0510010

С94005В
C94007A
C94010A
C95012A
C97307A
CC3601C
CC51010
CDE0002
CXD2007
CXDB001
CXDB002
CXDB003
CXDB004
LXD7001
LXD7003
LXD7004
LXD7005
LXD7006
LXD7007
LXD7008
LXD7009
LXH4001
LXH4003
LXH4006
LXH4009
LXH4013
LXH4014
GRADE
GRD_DATA
SPECIAL
SUMMARY
TCTOUCH.ADA

New Tests

(Refer to the main list for details)

B350001 ВЗ54002 B35A001 B360001 B393012 B393013 B3A2018 [VCS Label A4_1H] B431007 В432002 В432003 B452001 B452002 B458001 B480004 B611001 B611002 B611003 B611004

B611005 B611007 B611008 B611009 B611010 B611011 B611012 B611013 B611014 B611015 B611016 B611017 B611018 B611019 B631001 B651002 B641003 B730011 B730012 B730013 B730013 B750A07 B851006 B851005 B851006 B851007 B853001 B854002 B940008 B940010 B940010 B940010 B940010 B940010 B940011 B952005 BA12018 B42002 B414003 B42001 B414002 B414003 B42001 B414002 B414003 B42003 B42003 B654004 B655001 B655001 B655001 B660005 B030001	[VCS	Label	A4_1D
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BDD2007 C350001			

C354004
C35A001
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C452004
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C452A02
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C452001
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C460015
C470001
C480001
C6IIA0I
C611A02
C611A03
C611A04
C611B01
C611B02
C611B03
C650B04
C651001
C651002
C760A02
C760A03
C940017
CB42001
CB42002
CB42003
CD11001
CD30010
CD30011
CD30012
CDD2B01
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CXAC009
CXAG003
CXB3023
CXB3024
F611200
F611R00
TUNTUN

Pending New Tests

(Refer to the main list for details)

BD10001	2021-01-01
C350A01	2021-01-01
C350A02	2021-01-01
С350В01	2021-01-01
С350В02	2021-01-01

C360A01	2021-04-01
C360A02	2021-04-01
C360B01	2021-04-01
C360B02	2021-04-01
C620002	2021-01-01
CXAIB01	2021-07-01
CXAIB02	2021-07-01
CXAIB03	2021-07-01
CXAIB04	2021-07-01
CXAIB05	2021-07-01
CXAIB06	2021-07-01
CXAIB07	2021-07-01
CXAIB08	2021-07-01
F350A00	2021-01-01
F350B00	2021-01-01
F360A00	2021-04-01
F360B00	2021-04-01
FXAIB00	2021-07-01