



CODE BULLETIN C-43

American Chemistry Council Product Approval Code of Practice December 2010 Edition

**To: Practitioners of the American Chemistry Council
Product Approval Code of Practice and Interested Parties**

**Original
Issue date: March 22, 2012**

**Effective
Date: April 19, 2012**

**Re: Appendix D Revisions and Edits
Product Approval Code of Practice – December 2010 Edition**

The American Chemistry Council's (ACC) Product Approval Protocol Task Group (PAPTG) reached consensus to revise Appendix D in effort to provide further clarity regarding stand selection. Existing text and proposed revisions and edits are provided below.

Existing text in Appendix D, Page D-1

Candidate Tests

A candidate is to be tested in the next available calibrated engine test stand that meets the criteria outlined in this appendix following the decision process shown in the flow chart on page D6.

- For the first engine test on a candidate in a given laboratory, the candidate is assigned to the next available test stand in which the number of the sponsor's runs in the last 180 days, including the test to be scheduled, does not exceed the number determined in the Table on page [D5](#) of this appendix. For numbers not given in the Table, the equation given in the footnote of the Table should be used.
- For repeat tests on a candidate in a given laboratory, the candidate is assigned to the next available test stand in which the candidate has not been previously tested or has been tested the fewest number of times, and in which the number of the test sponsor's tests in the last 180 days, including the test to be scheduled, does not exceed the number determined in the Table on page D5.

Any specific questions or problems regarding engine test stand selection should be referred to the [ACC Monitoring Agency](#).



Proposed text for Appendix D, Page D-1

Candidate Tests

A candidate is to be tested in the next available calibrated engine test stand that meets the criteria outlined in this appendix following the decision process below.

- For the first engine test on a candidate in a given laboratory, the candidate is assigned to the next available test stand in which the number of the sponsor's runs in the last 180 days, including the test to be scheduled, does not exceed the number determined in the Table on page [D5](#) of this appendix. For numbers not given in the Table, the equation given in the footnote of the Table should be used.
- For repeat tests on a candidate in a given laboratory, the candidate is assigned to the next available test stand in which the candidate has not been previously tested or has been tested the fewest number of times, and in which the number of the test sponsor's tests in the last 180 days, including the test to be scheduled, does not exceed the number determined in the Table on page D5.
- For repeat tests on a candidate in a given laboratory, if, as determined above, the next available test stand has tested the candidate oil more times than another referenced stand, the candidate test must wait for the first available stand in which the candidate has been tested fewer times (without application of the criterion in the Table on page D5), unless the wait for that stand will exceed the lesser of 4 calendar days (96 hours) or 75 % of the standard test length.

Any specific questions or problems regarding engine test stand selection should be referred to the [ACC Monitoring Agency](#).

Note: the flowchart on page D-6 will be removed.



Existing text in Appendix D, Page D-5

70	53	35	26	21	18	15	13	12	11	5	4
80	60	40	30	24	20	17	15	13	12	6	4
90	68	45	34	27	23	19	17	15	14	7	5
100	75	50	38	30	25	21	19	17	15	8	5

NOTE: This table is calculated on the basis of the following equation, and any combinations of test runs and calibrated stands should be calculated using this equation:

Max. No. of Sponsor's Runs In Any One Stand = $1.5 \times (\text{Number of Sponsor's Tests In Last 180 Days, including the planned run} / \text{Time-Weighted . Avg. Number of Calibrated Test Stands in the Laboratory during the Last 180 Days or the total number of ASTM TMC calibrated test stands in the lab at this point, whichever is similar})$

ALL FRACTIONAL ANSWERS ARE ROUNDED TO THE NEAREST NUMBER EXCEPT THAT ALL NUMBERS LESS THAN TWO ARE ROUNDED UP TO TWO

Proposed text for Appendix D, Page D-5

70	53	35	26	21	18	15	13	12	11	5	4
80	60	40	30	24	20	17	15	13	12	6	4
90	68	45	34	27	23	19	17	15	14	7	5
100	75	50	38	30	25	21	19	17	15	8	5

NOTE: This table is calculated on the basis of the following equation, and any combinations of test runs and calibrated stands should be calculated using this equation:

Max. No. of Sponsor's Runs In Any One Stand = $1.5 \times (\text{the Number of Sponsor's Tests In Last 180 Days, including the planned run}) \div (\text{the Time-Weighted Avg. Number of Calibrated Test Stands in the Laboratory during the Last 180 Days, or the total number of ASTM TMC calibrated test stands in the lab at this point, whichever is smaller})$.

ALL FRACTIONAL ANSWERS ARE ROUNDED TO THE NEAREST NUMBER EXCEPT THAT ALL NUMBERS LESS THAN TWO ARE ROUNDED UP TO TWO.

The Code is available online at <http://www.americanchemistry.com/paptg>. Comments to this Code Bulletin (C-43) should be sent to the PAPTG Manager, [W.D. \(Doug\) Anderson](#) prior to April 19, 2012.

