Question 9.22

Topic: Calibration Error Test Following Non-routine Calibration Adjustments

Question: Section 2.1.3 of Appendix B to Part 75 requires an "additional" calibration error test to be performed whenever "non-routine" calibration adjustments are made to a monitor. Section 2.2.3 of Appendix B allows non-routine adjustments prior to quarterly linearity checks. Is it necessary to perform the additional calibration error test prior to the linearity test or can this calibration error test be performed immediately after the linearity check?

Answer: You may perform the additional calibration error test after the linearity check rather than prior to the check. However, you must follow the data validation rules in Sections 2.1.3(a) and (c) of Appendix B associated with this calibration error test. Sections 2.1.3(a) and (c) state that following non-routine adjustments, emission data from a monitor are considered to be invalid until an additional "hands-off" calibration error test has been completed and passed, which demonstrates that the monitor is operating within its performance specifications.

Therefore, if you perform the additional calibration error test after a linearity check, you must invalidate any emission data collected in the time period beginning with the nonroutine adjustment of the monitor and ending at the time of successful completion of the calibration error test. In order to validate the linearity test, the calibration error test must show the monitor to be operating within its performance specification band (± 2.5% of span). If the calibration error test shows that the monitor is not operating within its performance specification, the linearity check is invalidated and must be repeated. In this case, do not report the invalidated linearity check.

References: Appendix B, Sections 2.1.3 and 2.2.3

History: First published in March 2000, Update #12; revised in 2013 Manual