



April 8, 2019

Dear NIST Calibration Customer:

I write to inform you of new developments regarding several NIST calibration services because we have identified you as a customer for at least one of these services. As you may know, NIST is upgrading laboratory and calibration facilities used to provide several critical calibration services in the subject area of Ionizing Radiation. The upgrade is a welcome improvement to our calibration infrastructure and will help ensure accurate, stable, and reliable calibration services well into the future. As with all such endeavors, however, NIST will need to suspend temporarily delivery of certain services as we transition to our new facilities.

To assist you in managing your programs that rely on NIST calibration services, we provide the following table that indicates the date associated with each individual calibration service beyond which NIST will no longer be able to accommodate requests for that service. All arrangements for services must be finalized prior to that date, including receipt at NIST of equipment and sources, as appropriate, to be calibrated and execution of appropriate funding documents. After these dates, we cannot accommodate requests for the listed calibration services until such time that the service is fully restored.

Calibration Service	Description	Last Date for Receipt	Estimated Return-to-Service Date
43010C	Gamma-ray emitting radionuclides (liquid; $t_{1/2} > 15d$)	15 August 2019	February 2020
43020C	Gamma-ray emitting radionuclides (liquid; $t_{1/2} < 15d$)	15 August 2019	February 2020
43030C	Alpha and beta-particle-emitting Solid Sources, NIST $2\pi \alpha/\beta$	15 August 2019	February 2020
43031S	Alpha and beta-particle-emitting Solid Sources, NIST $2\pi \alpha/\beta$	15 August 2019	February 2020
43040C	Beta-particle-emitting Solid Sources (Activity), NIST $2\pi \alpha/\beta$	15 August 2019	February 2020
43050C	Mixed-alpha-particle-emitting Solid Sources, NIST $2\pi \alpha/\beta$	15 August 2019	February 2020
43060S	Beta-particle emitting radionuclides	15 August 2019	February 2020
43070S	Beta-particle emitting radionuclides (liquids; special test, other techniques)	15 August 2019	February 2020
43090S	Alpha-, Beta-, or Gamma-emitting Radionuclides	15 August 2019	February 2020
46011C	Air Kerma Calibration of Radiation Instrument in X-Ray Beam	15 July 2019	January 2020
47020C, 47021C	Sealed Gamma-Ray Sources	1 August 2019	January 2020
46012C, 46013C	Well ionization chamber calibration with electronic brachytherapy source(s)	15 July 2019	March 2020
47035C, 47036C	Beta particle source and ionization chamber calibrated for radiation protection	1 September 2019	April 2020

Resumption of services will occur as expeditiously as possible, but only after full functionality, precision, and accuracy have been restored to each individual service. We anticipate return to service to occur on or about the dates indicated in the table, although unanticipated delays due to construction and relocation may delay return to service.

Calibration services listed in the table below will remain in service temporarily, but will be shut down at a future date to accommodate further upgrades to NIST's radiation physics-related facilities. We will promulgate additional information regarding these services as our upgrades progress.

Calibration Service	Description
44010C	Radioactive neutron sources emission rates (10^5 per second to 10^8 per second)
44020C	Radioactive neutron sources emission rates (10^8 per second to 10^{10} per second)
44060C	Neutron Personnel Protection Instrumentation/Dosimeters, Cf-252 fission neutrons
44070S	Activation detector irradiation, thermal neutrons
44080S	Activation detector irradiation, californium fission neutrons
44090S	Activation detector irradiation, U-235 fission neutrons, thermal column cavity
44100S	Special tests of neutron instrumentation, dosimeters, or other devices
46010C	Air Kerma Calibration of a Radiation Detector in a Cs-137 and/or Co-60 Gamma-Ray Beam
46020C, 46021C	Irradiation of Passive Dosimeters
46110C	Absorbed Dose to Water Calibration of a Radiation Detector in a Co-60 Gamma-Ray Beam
4901xC	Irradiation of a customer supplied dosimeter with Co-60 gamma rays
4902xC, 4903xC	Measurement of calibrated alanine transfer dosimeters irradiated by the customer

Importantly, considering the impending suspension of services, we acknowledge that it may be the case that NIST receives an overwhelming number of service requests, in which case we will need to move the cut-off date for individual services to a time earlier than that indicated above. Regardless, we will work with you, our valued customers, to best meet your calibration needs.

Should you have any questions regarding NIST calibration services affected by the facilities upgrade, I welcome you to contact either me or any member of the associated NIST staff, and we will do our best to answer your questions and allay your concerns. You may also send your inquiries to rpdmove@nist.gov. To schedule calibration services once a service has been restored, please contact the associated NIST technical staff person. Please know that NIST remains committed to providing its customers the highest quality calibration services.

Yours sincerely,

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 National Institute of Standards and Technology