



CALIBRATION CUSTOMER SERVICE ALERT

NOTICE TO WEIGHT CART OWNERS

WEIGHT CART MAINTENANCE LOG REQUIREMENT

NIST Handbook 105-8, entitled, "Specifications and Tolerances for Field Standard Weight Carts," requires that **organizations owning a weight cart shall establish a maintenance log** containing a detailed record of all maintenance performed on the weight cart. Maintenance log details can be reviewed in Handbook 105-8, Sections 9.3, 9.6, 9.2, 6.4, and 4.7.8. See NIST Handbook 105-8 at <http://www.nist.gov/pml/wmd/upload/105-8.pdf>. (General link to all the NIST Handbooks: <https://www.nist.gov/pml/weights-and-measures/publications/nist-handbooks>.)

To provide a reasonable amount of time for companies to comply, **enforcement of this handbook requirement will begin on December 1, 2017**. That means, upon that date, *presentation* of the log will be required when the weight cart is delivered for calibration. **However, implementation of the log entries should begin immediately**, and the log should **include any and all applicable maintenance information from this date forward**.

The log shall:

- **document serial numbers of** individually serialized **weight cart components**, e.g. engine, hydraulic pump, battery and drive motors [**see Section 9.3**];
- include **copies of all calibration reports** and completed **inspection checklists**, as well as fuel tank conformance certificates, if appropriate [**See Section 9.3**];
- **document the calibration status and history** of the weight cart beginning at the time of initial placement in service to the current time of use [**see Section 9.3**];
- **include a description of all maintenance performed**, including part numbers and serial numbers where applicable, and when available, the weight of items removed from or installed on the weight cart [**see Section 9.3**];
- **include the fuel tank conformance certificate** as part of the log [**see Section 4.7.8**];
- **document the removal or replacement of any components** of the weight cart that are not an integral part of the structure, and such components shall be sealed to the weight cart structure by means of a wire seal or by use of a tamper indicating material such as an inspection seal lacquer [**see Section 6.4**]; and
- **document user modifications of weight carts**; modifications are discouraged, but if unavoidable, must include a list of materials and drawings that detail the modification [**see Section 9.6**].

Reminder: Handbook 105-8 also states in Section 9.2 "Any maintenance process performed between scheduled calibrations altering the mass of the weight cart invalidates the calibrated mass of the cart and requires that the weight cart be recalibrated. This includes, but is not limited to: replacement of battery, changing lubricating oil and filter, and services of the hydraulic system." **Please ensure that any maintenance performed occurs directly prior to your scheduled calibration.**

If you have any questions regarding this requirement, please contact us at 979.542.3231

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Failure to comply with requirements may result in refusal of calibration.