

National Conference on Weights and Measure
2018 Specifications and Tolerances Committee
Ivan Hankins, Chair

January 22, 2018

Dear Committee,

At the last Weigh-in-Motion Vehicle (WIM) Task Group (TG) conference call December 19, 2017 the TG recommended that S&T Agenda Item SCL-8 move forward for a vote at the 2018 NCWM Annual Meeting with the changes to N.7. and T.N.3. shown below.

N.7. Weigh-in-Motion Vehicle Scale.

N.7.1. Static Testing. – A Weigh-in-Motion Vehicle Scale shall be tested statically, whenever possible, using field standard weights / test loads in accordance with Table 4, uniformly distributed on the scale platform. Additionally, for scale platforms with a length of less than 4 feet a test load not greater than one half of section capacity shall be positioned between the centerline and left and right side respectively. Scale platforms with a length of 4 feet or greater shall be tested in accordance with N.1.3.3.1. Class III acceptance and maintenance tolerance as shown in Table 6. shall apply.

N.7.2. Dynamic Testing. – The Dynamic test for a Weigh-in-Motion-Vehicle Scale shall simulate the normal intended use as closely as possible i.e. test as used. The minimum test shall consist of a vehicle(s), loaded with known field standards, dynamically weighed three consecutive times. The known field standards should then be unloaded and three additional dynamic weighments of the empty vehicle(s) should be recorded. Additionally, for scale platform widths greater than 11 feet, at least one of the loaded vehicle runs and empty vehicle runs shall be made near the left edge and right edge of the scale platform respectively. Class III acceptance and maintenance tolerance as shown in Table 6. shall apply to the known field test standards load minus the calculated value (loaded weight – unloaded weight = calculated value) the Table 6 tolerance values shall be based on the value of the known test load.

Added 20XX)

T.N.3. Tolerance Values.

T.N.3.X. Tolerances for Weigh-in-Motion Vehicle Scales. – T.N.3.X.1. Static Weighing. -Acceptance tolerance shall be one-half maintenance tolerance shown in Table 6. Maintenance Tolerances.

T.N.3.X.2 Dynamic Weighing. - Acceptance tolerance shall be ~~the same as the one-half~~ maintenance tolerance shown in Table 6. Maintenance Tolerances.

(Added 20XX)

Respectfully,

Alan Walker, Chair
Weigh-in-Motion Vehicle Scale Task Group