



APLMF Survey of the test procedure for NAWI with digital indication.

Please complete this survey to indicate which tests your economy carries out when verifying a non-automatic weighing instrument. $\sqrt{}$ to indicate test is required, X to indicate test not required. Send your completed survey back to the APLMF Secretariat by:

Economy Name:
Name of person completing the survey:
Organisation responsible for verification within your economy:

Test Name	Test Description	Essential Test	Desirable Test
VISUAL INSPECTION	 Visually inspect the instrument for compliance with the certificate of approval Where applicable, check that the instrument is level. Check for compliance with any relevant regulations/environmental factors/mode of use. 		
REPEATABILITY	 Determine the applied load (Approx. 2/3 capacity or just below 2nd MPE change point for instruments with only 2 MPE change points). Zero the instrument. Apply load and set the indication to centre 'e' (Add 0.5e, bring indication to just above next changeover point using change point masses of 0.1e, remove 0.5e). Remove all load, reset zero, then re-apply load (including change point masses, twice more ensuring instrument returns to zero between each weighing. Where all indications are the same instrument passes. Where any indications differ check to see if the instrument is within the MPE Determine the applied load (1/3 capacity except for instruments with more than 4 points of support, hopper weighers, instruments with minimal off-centre loading, and instruments used for rolling loads). Determine the individual surface areas of the load receptor where the loads are to be applied. For each surface area, zero instrument, apply the load and determine if the indication is within the MPE. 		
ZERO SETTING Only performed at initial verification, when system changes affect these functions (Non-automatic and semi-automatic only)	 Apply a load within the zero-setting range and bring the indication to just below the next changeover point using change point masses of 0.1e. Re-set the indication to zero using the zero-setting device. Apply 10e to the load receptor. Apply 0.25e and the indication shall remain the same. Apply an additional 0.5e and the indication shall change up 1e. 		
ZERO TRACKING	 Re-set the indication to zero using the zero-setting device. Apply 1e to the load receptor. 		



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WEIGHING PERFORMANCE	 Zero the instrument Apply at least 5 increasing loads at approximately equal steps, including minimum capacity, all MPE change points, any scale interval change points (minus 5e if weighing instrument has + error) and maximum capacity (minus 5e if over-range blanking occurs). Check over-range blanking. Remove load in a minimum of 3 steps from maximum to minimum capacity, in approximately equal steps. Check instrument has returned to zero. 	
DISCRIMINATION	 At any load (usually the same load as repeatability) bring the indication to just over the change point. The addition of a further 1.4e shall cause an increase in the indication by 1 verification scale interval. A supplementary test is required if the instrument has an initial zero-setting range greater than 20% 	
ACCURACY OF TARE SETTING Only performed at initial verification, when system changes affect these functions (Non-automatic and semi-automatic only)	 Load the instrument using a weight that exceeds the marked tare capacity to ensure the tare facility is not functional at this load. Apply a load within the tare setting range and bring the indication to just below the next changeover point using change point masses of 0.1e. Re-set the indication to zero using the tare-setting device. Apply 10e to the load receptor. Apply 0.25e and the indication shall remain the same. Apply an additional 0.5e and the indication shall change up 1e. Remove the additional 0.25e, 0.5e and 10e leaving the change point masses with the load. Add a load equal to full remaining capacity and determine if the indication is within MPE for remaining applied load. 	
PRICE-COMPUTATI ON Only performed at initial verification, when system changes affect these functions (Non-automatic and semi-automatic only)	Check at least 5 price computations over a range of different loads.	
Others please add if required	•	



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