



## Legal Metrology Policy



Policy Number	LM-P-037-07-18	Compiled by: HP Ferreira	Signature: 
Effective Date	2018-07-01		
Version No:	1	Approved by: TN Madzivhe	Signature: 
File name:	LM-P-037-07-18_Verification requirements for non-automatic rail vehicle scale (NAWI) and automatic rail weighbridge (ARW) when combined into one measuring instrument		

### 1. Background

The verification intervals for a non-automatic weighing instrument (NAWI) is prescribed as not exceeding 24 months.

The verification intervals for an automatic rail-weighbridge (ARW) is prescribed as not exceeding 36 months.

When the abovementioned measuring instruments are combined into a single measuring instrument problems arise with respect to the verification intervals, the verification process and the application of protective and verification marks.

### 2. Scope

This Legal Metrology Policy describes the verification period, verification processes and marks that will apply when combining a non-automatic rail vehicle scale (NAWI) and an automatic rail-weighbridge (ARW) into one measuring instrument.

### 3. Reference documents

Legal Metrology Act, 2014 (Act 9 of 2014)

SANS1649: 2014 Non-automatic self-indicating, semi-self-indicating and non-self-indicating weighing instruments with denominated verification scale intervals

SANS 689: 2013 Automatic rail-weighbridges

SANS 10378 General requirements for the competence of verification laboratories

### 4. Policy

#### 4.1 Verification period

Where a non-automatic rail vehicle scale (NAWI) and an automatic rail-weighbridge (ARW) are combined into one measuring instrument the verification interval for the combined measuring instrument shall not exceed 24 months determined from the date of the last verification.

#### 4.2 Verification process

4.2.1 Verification shall only be performed by a verification body that has been designated by the NRCS for this purpose.


4.2.2 The user of the instrument shall arrange that the verification of the non-automatic rail vehicle scale (NAWI) takes place immediately before the verification of the automatic rail-weighbridge (ARW) but not later than three days after the verification of the non-automatic rail vehicle scale.

4.2.3 Individual Verification Certificates shall be issued for the non-automatic rail vehicle scale (NAWI) and for the automatic rail-weighbridge (ARW) (the dates on the two individual verification certificates shall not differ from each other by more than three days).

4.2.4 In the case where adjustments are made to the automatic rail-weighbridge (ARW) after the verification of the non-automatic rail vehicle scale (NAWI), the verification that was done on the non-automatic rail vehicle scale (NAWI) will be deemed non-compliant and will have to be re-verified. The opposite is also applicable, when adjustments are made to the non-automatic rail vehicle scale (NAWI), the verification of the automatic rail-weighbridge (ARW) will be deemed non-compliant and will have to be re-verified.

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### 4.3 Application of protective marks and verification mark

4.3.1 Protective marks (seals) shall be applied as prescribed in the Type Approval Certificate by the verification bodies responsible for the verification of the non-automatic rail vehicle scale (NAWI) and the verification of the automatic rail-weighbridge (ARW).

4.3.2 The verification mark shall include a reference to which measuring instrument is verified e.g. ARW or NAWI to be marked on the respective verification mark applied on the instrument.

4.3.2 The verification mark for both non-automatic rail vehicle scale (NAWI) and automatic rail-weighbridge (ARW) shall be applied next to each other in the position as prescribed in the Type Approval Certificate.