



NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Weighing/Load Receiving Element  
Vehicle, Railway Track Scale; Modular, Electronic  
Model: RSC and RSCA Series  
 $n_{max}$ : 10 000  
 $e_{min}$ : 20 lb  
Capacity: 100 000 lb to 540 000 lb  
Platform Length: 12 to 105 ft; Platform Width: up to 12 ft  
CLC: 50 ton; Section Capacity: 85 to 180 ton\*\*  
Accuracy Class: III L

**Submitted By:**

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**Standard Features and Options**

**Options:**

- Dump Through Deck
- This device may be used as a vehicle scale only, a railway scale only, or as both a vehicle and railway scale.

**Span Lengths:**

- Up to 28.5'

**Load Cells Used:**

- Revere Transducers CSP Series, 200k (NTEP CC Number 88-024)
- Cardinal Scale Manufacturing SCA Series, 100k or 120k (NTEP CC Number 89-042A4)

\*\*Combination vehicle/railway track scales must be marked with both the CLC and section capacity. The CLC and its related formula are applicable to the vehicle scale capacity, which may be different than the railway scale capacity. When these capacities are different each capacity must be marked on the device. The section capacity must be marked for the railway scale.

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Kevin Schnepf  
Chair, NCWM, Inc.

Marc Paquette  
Chair NTEP Committee  
Issued: March 12, 2026

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**Cardinal Scale Manufacturing Company**  
Weighing/Load Receiving Element / RSC and RSCA Series

**Application:** For general purpose weighing of vehicles and railroad cars. This device is designed for use as a vehicle scale only, a railway scale only, or as both a vehicle and railway scale when interfaced with a NTEP Certified and compatible indicating element.

**Identification:** The identification badge is located in the pit at the point where the cable that is connected to the indicating element leaves the load receiving element.

**Sealing:** The load cell junction box can be sealed with a wire or pressure sensitive security seal for individual load cell or section adjustments. The overall scale calibration can be sealed according to the sealing provisions on the indicating element.

**Test Conditions:** This Certificate supersedes Certificate of Conformance Number 91-041A4 and is issued to increase the CLC to 50 ton based on the original test conditions using 100 000 lb of known test weight. Previous test conditions are listed below for reference.

**Certificate of Conformance Number 91-041A4:** This Certificate supersedes Certificate of Conformance Number 91-041A3 and is issued to clarify the appropriate application and to remove the minimum width statement. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

**Certificate of Conformance Number 91-041A3:** This Certificate supersedes Certificate of Conformance Number 91-041A2 and is issued to add the notation for an optional dump through deck. Per requirements in NCWM Publication 14 Section E. Item 7, information was submitted and reviewed. No additional testing was deemed necessary.

**Certificate of Conformance Number 91-041A2:** This Certificate supersedes Certificate of Conformance Number 91-041A1 and is issued to add the notation for platform width.

**Certificate of Conformance Number 91-041A1:** This Certificate superseded Certificate of Conformance Number 91-041PN and was issued to upgrade the Certificate from Pre-NTEP to a full certificate and to include additional model capacities and sizes. The emphasis of this evaluation was on device design and performance. The Model 7080-RSCA, 70' x 10' (comprised of 2 35' x 10' sections) combination vehicle/railway track scale was tested as a vehicle scale with a capacity of 200 000 x 20 lb and a railway track scale with a capacity of 400 000 lb x 50 lb. The scale was tested initially with test weights of 100 000 lb and a test load of 212 750 lb and 44 days later with 100 000 lb of test weights and a test load of 238 500 lb.

**Evaluated By:** J. Decker (GIPSA), D. Wallace, D. Jones, L. Scolfield (Colorado) 91-041; J. Gibson (NTEP) 91-041A5 (CN 11724)

**Type Evaluation Criteria Used:** NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 1999. NCWM, Publication 14: Weighing Devices, 1999.

**Conclusion:** The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

**Information Reviewed By:** G. Newrock (NIST), R. Suiter (NIST) 91-041, 91-041A1, 91-041A2; S. Patoray, L. Bernetich (NCWM) 91-041A3, J. Truex (NCWM) 91-041A4; J. Gibson (NCWM) 91-041A5

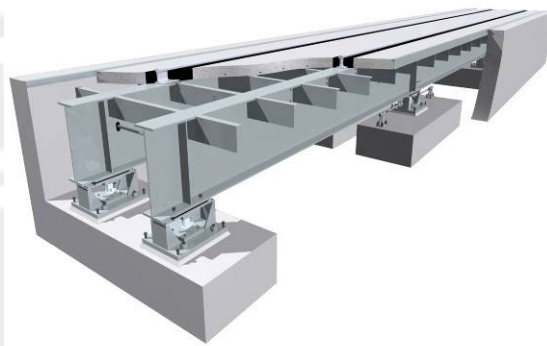


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**Examples of Device:**



Model RSCA Series Scale



Model RSCA Series Weighbridge

