

Application for Axle-Load, Vehicle or Railway Scale Weighing/Load Receiving Element



This application should be used if for the following weighing / load-receiving element for scales with capacities greater than 30 000 lb: Axle-Load Scale, Railway Track Scale and Vehicle Scale.

Application Instructions:

- Review applicable checklist in "NCWM, Publication 14: Weighing Devices."
- Review "NCWM, Publication 14: Administrative Policy."
- Review applicable sections of "NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices."
- Sign application. **Unsigned applications will not be accepted.**
- **Submit payment with application.**
- Submit a copy of the amended CC with changes clearly marked.
- Submit **two digital photos** of the device via email.
- Submit application in one of the following ways:

Email: info@ncwm.com

Mail: National Conference on Weights and Measures
Attention: Project Coordinator
9011 South 83rd Street
Lincoln, Nebraska 68516

Fax: 402.434.4878

If completing application by hand, do so **legibly** and in **blue ink**. Illegible applications may delay processing times.

For Use by NCWM

Control #: _____

CC #: _____

Part 1. Who Will the Contact Be During the National Type Evaluation Program (NTEP) Application Process

Today's Date:	Are you or someone within your company a National Conference on Weights and Measures (NCWM) Member: <input type="checkbox"/> Yes <input type="checkbox"/> No	NCWM Member ID:	Member Name:
Company:			
Street Address:			
City:	State:	Zip Code:	Country:
Primary Contact Name:		Primary Contact Email Address (Required):	
Phone Number with Extension if Applicable:	Fax Number:	Web site:	
Other Authorized Contact Name:	Other Authorized Contact Email Address:	Other Authorized Contact Phone Number:	

Part 2. What Contact Information Do You Want to Appear on the NTEP Certificate of Conformance

Company:			
Street Address:			
City:	State:	Zip Code:	Country:
Phone Number with Extension if Applicable:	Fax Number:		
Contact Name:	Email Address:	Web site:	

Part 3. Where Do You Want <u>ALL</u> Billing to Be Sent																	
Company:					Contact Name:												
Street Address:																	
City:				State:		Zip Code:		Country:									
Email Address (Required):					Phone Number with Extension if Applicable:												
Part 4. NTEP Fees (Due at time of application.)																	
	NCWM Member				Non-Member												
Application Fee (non-refundable)	\$800.00				\$1,200.00												
Certificate Processing Fee	\$150.00				\$225.00												
Total Fees	\$950.00 (Application & Processing Fees)				\$1,425.00 (Application & Processing Fees)												
** Additional laboratory fees may apply. Annual Maintenance Fees will also apply. See Publication 14 Administrative Policy for details.																	
** Save instantly on your NTEP Application fees by becoming an NCWM Member at www.ncwm.com/membership .																	
Part 5. Publications																	
PUBLICATION					NCWM MEMBER UNIT PRICE	NON-MEMBER UNIT PRICE	QUANTITY	AMOUNT DUE									
<input type="checkbox"/> Handbook 44 (2015 Edition) Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices," as adopted by the National Conference on Weights and Measures					\$46	\$46		\$									
<input type="checkbox"/> Publication 14: Administrative Policy (2015 Edition)					\$60	\$120		\$									
<input type="checkbox"/> Publication 14: Grain Moisture Meters & Near Infrared Grain Analyzers (2015 Edition) Technical Policy, Checklists and Procedures					\$60	\$120		\$									
<input type="checkbox"/> Publication 14: Measuring Devices (2015 Edition) Technical Policy, Checklists and Procedures					\$60	\$120		\$									
<input type="checkbox"/> Publication 14: Weighing Devices (2015 Edition) Technical Policy, Checklists and Procedures					\$60	\$120		\$									
<input type="checkbox"/> Publication 14 CD (2015 Edition) Includes: Administrative Policy, Grain Moisture Meters & Near Infrared Grain Analyzers, Measuring Devices and Weighing Devices					1-3 CDs \$135 4-9 CDs \$100 10+ CDs \$85	1-3 CDs \$270 4-9 CDs \$200 10+ CDs \$170		\$									
SHIPPING & HANDLING					USA ONLY		OUTSIDE USA		SHIPPING DUE								
For quantities larger than those listed, please contact NCWM at 402.434.4872 or elisa.stritt@ncwm.com for pricing.					Book(s): 1 = \$12.00 2-3 = \$19.00 CD(s): 1-3 = \$10.00 4-6 = \$16.00		Contact NCWM at 402.434.4872 for shipping rates.		\$								
Part 6. Payment Information																	
<input type="checkbox"/> VISA <input type="checkbox"/> MasterCard <input type="checkbox"/> Discover <input type="checkbox"/> American Express <input type="checkbox"/> Check Enclosed (made payable to NCWM)																	
Account Number:								Expiration Date:					Security Code:				
Billing Address:												Zip Code:					
Name on Credit Card:												Total Amount Enclosed: \$					

Part 7. What Laboratory Would You Like to Conduct the Evaluation (NTEP reserves the right to select the laboratory.)

Check One:

☐ First Available ☐ California ☐ GIPSA – IL ☐ Maryland ☐ New York ☐ Ohio ☐ NTEP
Part 8. Where Would a Field Test Be Conducted

Business Name:

Street Address:

City:

State:

Zip Code:

Country:

Part 9. General InformationIs this Evaluation to Addend An Existing NTEP Certificate of Conformance(CC): ☐ Yes, Provide CC Number: ☐ No**Part 10. Model Designation**

Model Designation(s) How It/They Will Appear on the NTEP Certificate of Conformance:

Part 11. Device Type

Check One:

☐ Axle-Load Scale ☐ Railway Track Scale ☐ Vehicle Scale ☐ Combination Vehicle/Railway Track Scale
☐ Weigh-In-Motion Single Draft Vehicle Scale
Part 12. Means of SealingIs there a physical seal: ☐ Yes ☐ No

Describe the means and location of physical sealing:

Part 13. Metrological Data

Model	Maximum Capacity	e	d	n _{max}	Temperature Range if Other Than -10 °C to +40 °C	Accuracy Class
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

Symbol Key:**e:** A value expressed in units of weight (mass) and specified by the manufacturer of a device, by which the tolerance values and the accuracy class applicable to the device are determined.**d:** The value of the scale division, expressed in units of mass, is the smallest subdivision of the scale for analog indication or the difference between two consecutively indicated or printed values for digital indication or printing. Also referred to as minimum graduation value, or minimum division value.**n_{max}:** The maximum number of scale divisions for which a main element or load cell complies with the applicable requirements.

Part 14. Load Cells Used in Weighing/Load Receiving Element

Manufacturer	Model	E_{max}	V_{min}	n_{max}	Temperature Range	Class	NTEP CC No.

Symbol Key:

E_{max} : Largest value of quantity (mass) which may be applied to a load cell without exceeding the mpe.

V_{min} : The smallest load cell verification interval, expressed in units of mass into which the load cell measuring range can be divided.

n_{max} : The maximum number of scale divisions for which a main element or load cell complies with the applicable requirements.

The maximum number of scale divisions for which a main element or load cell complies with the applicable requirements.

The maximum number of scale divisions for which a main element or load cell complies with the applicable requirements.

Part 15. Modular Vehicle Scale (Complete If Vehicle Scale Is Electronic And Of A Modular Design)

Model(s) To Be Tested:

What Is The Length Of The Shortest 2-Section Module In The Scale Being Tested:

Compute 50% Of The Length Of The Shortest 2-Section Module:

CLC OF Scale Tested:

Compute 135% Of The Capacity Of The Scale Being Tested:

What Is The Span Between Sections Of The Longest 2-Section Module:

What Is The Load Cell Capacity:

Is CLC = > 80% Of The Load Cell Capacity:

☐ Yes ☐ No

What Is The Platform Area Of The Scale To Be Tested:

Compute 50% Of The Platform Area Of The Shortest 2-Section Module (smallest scale that may be included on the CC):

Compute 150% Of The Platform Area Of The Shortest 2-Section Module (largest scale that may be included on the CC):

Compute 120% Of The Span For The Largest 2-Section, 4 Load Cell Module:

Part 16. Weigh-In-Motion Single Draft Vehicle Scale

Model(s) To Be Tested:

What Is the Length Of the Scale Being Tested:

NTEP CC of Weighing/Load-Receiving Platform used for testing if NTEP approved?

NTEP CC of Indicator used for testing:

Minimum Data Acquisition Time (DAT):

Minimum and Maximum Speed Limitations:

Maximum Speed Change allowed during weighment:

Part 17. Modular Axle-Load, Vehicle Scale Application and Analysis Sheet (Only for Electronic Axle-Load or Vehicle Scale)

List the scale sizes and capacities in the family (series) requested for inclusion on the Certificate of Conformance. NTEP policy has defined the parameters establishing the limits for the range of devices to be included on the Certificate based upon the device(s) that are tested. See NCWM, Publication 14 on the device parameters to be included on a Certificate for the specific policy. This table addresses the range of parameters applicable to all axle-load and vehicle scales. Completing the shaded columns is optional; they will be completed by the NTEP laboratory. Indicate the values of scale divisions, the capacity of load cells and the type of platform material if they change within the family.

Compute 120% of the Span for the Largest 2-Section, 4 Load Cell Module:											
Span Between Sections of Longest 2-Section Module:											
Compute 135% of the Capacity of the Scale Tested:											
Compute 50% of Platform Area of Shortest 2-Section Module (smallest scale that may be included on CC):											
Compute 1.5 Times the CLC (smaller capacity of scale to be included on CC):											
Acceptable Platform Area:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
CLC Acceptable:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is CLC = > 80% of Load Cell Capacity:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Compute 50% of the Length of Shortest 2-Section Module:											
Load Cell Capacity:											
Length of Shortest 2-Section Module in Scale Tested:											
Model:											

Part 19. Railway Track Scale Application and Analysis Sheet (Only for Railway Track Scale)

List the scale sizes and capacities in the family (series) requested for inclusion on the Certificate of Conformance. NTEP policy has defined the parameters establishing the limits for the range of devices to be included on the Certificate based upon the device(s) that are tested. See NCWM, Publication 14 on the device parameters to be included on a Certificate for the specific policy. This table addresses the range of parameters applicable to all railway scales. Completing the shaded columns is optional; they will be completed by the NTEP laboratory. Indicate the values of scale divisions, the capacity of load cells and the type of platform material if they change within the family.

Model:	Is The Scale to be Tested:	Capacity:	Accept 50% to 135%:	E_{min}	Number of Sections, N_1	Platform Sizes and Materials: (length & width)	Accept Platform Sizes:	Number of Load Cells, N_2	Compute $d/V/N_2$	Accept Load Cell V_{min} :	Maximum Distance Between Sections:	Compute 120% of Distance of Device Tested:	Accept Distance Between Sections:
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
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Part 20. General Description

Describe the reason this application is being submitted:

Part 21. Signature

☐ By checking this box, the applicant authorizes the National Type Evaluation Program to disclose to Regulatory Officials, upon their request, that this application has been submitted and whether the file is currently open or closed.

Applicant agrees to and accepts all of the following terms and conditions for application for a National Type Evaluation Program (NTEP) Certificate of Conformance. 1) All the devices manufactured as the type referenced will continue to conform to the same specifications and tolerances and be of the same type without technical or metrological deviation of consequence. 2) All costs incurred by the NTEP and participating laboratory(s) will be paid by the applying company. 3) The NCWM policies, practices and procedures set forth in its Bylaws and publications are incorporated by reference as terms and conditions of the issuance/renewal under NTEP. 4) Applicant agrees that the law of the State of Nebraska shall control the interpretation and construction of NTEP and business relationships, including choice of law provisions. The parties agree that the exclusive legal forum of choice of the parties shall be the Lancaster County State District Court located in Lincoln, Nebraska. 5) Applicant agrees that NCWM, its officers, directors, employees and agents shall have no liability for any damages of any nature in excess of the application fee or the annual renewal fee, as applicable. This limitation of liability is a condition of the issuance of any certificate of conformance or renewal certificate under the NTEP Program. **Please be aware that an electronic signature is as legally binding as a handwritten signature.**

Sign Here



Signature

Date

Title