National Council on Weights and Measures / National Type Evaluation Program

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.

For Use by NCWM

Control #: _____

CC #: _____

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

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

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 Council on Weights and Measures (NCWM) Member: ☐ Yes ☐ 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:	

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Part 3. Where Do You Want ALL 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. Payment Information

☐ VISA ☐ MasterCard ☐ Discover ☐ American Express ☐ Check Enclosed (made payable to NCWM)

Account Number:	Expiration Date:	Security Code:	
Billing Address:	Zip Code:		
Name on Credit Card:	Total Amount Enclosed: $		

Part 6. 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 7. Where Would a Field Test Be Conducted

Business Name:			
Street Address:			
City:	State:	Zip Code:	Country:

Part 8. General Information

Is this Evaluation to Addend An Existing NTEP Certificate of Conformance(CC): ☐ Yes, Provide CC Number: ☐ No

Part 9. Model Designation

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

Part 10. 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 11. Means of Sealing

Is there a physical seal:	☐ Yes ☐ No

Describe the means and location of physical sealing:

Part 12. 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 13. 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 14. 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:

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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 15. 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 16. 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.

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

				☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No					
				☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No					

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

Model:	Is The Scale to be Tested:	Capacity:	Accept 50% to 135%:	e_{min}	Number of Sections, N_1	CLC	Compute CLC (N_1 – 0.5)	Accept Capacity to CLC:	Platform Sizes and Materials: (length & width)	Accept Platform Sizes:	Number of Load Cells, N_2:	Compute $d/\sqrt{N_2}$	Accept Load Cell v_{min}:	Maximum Distance Between Sections:	Compute 120% of Distance of Device Tested:	Accept Distance Between Sections:
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No					☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No

Part 18. 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 $d/\sqrt{N_2}$	Accept Load Cell v_{min}:	Maximum Distance Between Sections:	Compute 120% of Distance of Device Tested:	Accept Distance Between Sections:
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No			☐ Yes ☐ No

	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No		☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No		☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No		☐ Yes ☐ No
	☐ Yes ☐ No		☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No		☐ Yes ☐ No

Part 19. General Description

Describe the reason this application is being submitted:

Part 20. Signature

Sign Here

☐ 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.**

Signature ____________________ Date __________ Title ____________________