INCORPORATION BY REFERENCE SYNOPSIS

In compliance with Section 67-5223(4), Idaho Code, the following is a synopsis of the differences between the materials previously incorporated by reference in this rule that are currently of full force and effect and newly revised or amended versions of these same materials that are being proposed for incorporation by reference under this rulemaking.

The following agency of the state of Idaho has prepared this synopsis as part of the proposed rulemaking for the chapter cited here under the docket number specified:

Idaho State Department of Agriculture
IDAPA 02.02.14 - Rules for Weights and Measures.
Proposed Rulemaking - Docket No. XX-XXX-XXX

Incorporating by reference the National Institute of Standards and Technology (NIST) Handbook 44, Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices is more practical and cost effective than reproducing similar specifications in Rule. The NIST Handbook 44 is a nationally recognized standard used by weights and measures officials to test suitability and accuracy of weighing and measuring devices used in commerce. This document is also used by manufactures of weighing and measuring devices, service entities and users of weighing and measuring devices. Adopting the most current version promotes uniformity throughout the United States. The 2026 edition can be found online at the following link; https://www.nist.gov/system/files/documents/2025/12/30/0-01-title-26-HB44-20251222.pdf

Listed below is an overview of changes to the 2026 edition of NIST Handbook 44 Incorporation by Reference by ISDA Weights and Measures. A brief summary follows each change, or group of related changes.

NIST HB44 2025 Amendments

Section	Code	S&T Item No.	Paragraph	Action	Page
2.20.	Scales	SCL-25.4	S.1.2.2.2. Class III, III L, and IIII Scales	Amended	2-9
			S.1.2.2.2.2. Weight Classifiers	Amended	2-9
			Table S.6.3.b. Notes for Table S.6.3.a. Marking Requirements, Note 4. (b)	Amended	2-25

		SCL-25.2	Table S.6.3.a. Marking Requirements, Minimum Verification Scale Division (e_{min})	Amended	2-24
		SCL-25.5	T.N.2.4. Multi-Interval and Multiple Range (Variable Division-Value) Scales	Amended	2-44
2.24	Automatic Weighing Systems Code	AWS-24.1	N.1.5. Test Loads	Amended	2-111
			N.1.5.1. Initial Verification	Added	2-111
			Table N.1.5. Test Loads	Amended	2-111
			N.1.5.2. Subsequent Verification	Added	2-112
			N.2. Test Procedures -Weigh-Labelers	Amended	2-112
			N.2.1. Non-Automatic Tests	Amended	2-112
			N.2.1.3. Shift Test	Amended	2-112
			N.2.2.1. Tests Non-Automatic	Amended	2-112
			N.2.2.2. Automatic Tests	Amended	2-112
			N.3. Test Procedures -Automatic Checkweigher	Deleted	2-113
			Table N.3.2. Number of Sample Weights per Test for Automatic Checkweighers	Amended	2-113
Appendix D.	Definitions	SCL-25.4	weight classifier	Amended	D-38
		SCL-25.2	e_{min} (minimum verification scale division)	Amended	D-15
			e_{min} (minimum verification scale Interval)	Added	D-15

NIST HB44 2025 Summary of Changes

Section	Code	Paragraph	Action	Impact to Idaho	Summary
2.20.	Scales	S.1.2.2.2. Class III, III L, and IIII Scales	Amended	Minimal	Removed wording “and weight classifiers”
		S.1.2.2.2.2. Weight Classifiers	Amended	Minimal	Removed wording “or less than”
		Table S.6.3.b. Notes for Table S.6.3.a. Marking Requirements, Note 4. (b)	Amended	Minimal	Removed wording (or a weight classifier marked for special use”

		Table S.6.3.a. Marking Requirements, Minimum Verification Scale Division (e_{min})	Amended	None	Replaced Scale Division with (Scale Interval)
		T.N.2.4. Multi-Interval and Multiple Range (Variable Division-Value) Scales	Amended	None	Replaced the scale division with "verification scale interval"
2.24	Automatic Weighing Systems Code	N.1.5. Test Loads	Amended		
		N.1.5.1. Initial Verification	Added	None	An initial verification test shall be conducted at a minimum of four different test loads according to Table N.1.5.1
		Table N.1.5. Test Loads	Amended	None	Added words "Initial Verification" to table title
		N.1.5.2. Subsequent Verification	Added	Minimal	Subsequent Verification at a minimum of two different test loads at or near the minimum load and the maximum load expected during normal operation.
		N.2. Test Procedures - Weigh-Labelers	Amended	Not applicable/ID does not test these devices	The device shall be tested at the normal operating speed using test pucks or packages.
		N.2.1. Non-Automatic Tests	Amended	Minimal	-if weighing system is designed to operate non-automatically and used in that manner during normal operation, it shall be tested non-automatically. The device shall not be tested non-automatically if it is used only in the automatic mode.
		N.2.1.3. Shift Test	Amended	Minimal	Replaced ½ with "1/3"
		N.2.2.1. Tests Non-Automatic	Amended	Not Applicable	

		N.2.2.2. Automatic Tests	Amended	Not Applicable	
		N.3. Test Procedures - Automatic Checkweigher	Deleted	Not Applicable	
		Table N.3.2. Number of Sample Weights per Test for Automatic Checkweighers	Amended	Not Applicable	
Appendix D.	Definitions	weight classifier	Amended	None	Replaced division with "interval" Removed text "These scales usually have a verification scale interval € that is smaller than the displayed scale division (d)."
		e_{min} (minimum verification scale division)	Amended	None	Removed 2.20 and 2.32 references
		e_{min} (minimum verification scale Interval)	Added	Minimal	Added "The smallest verification scal interval for which a weighing element complies with the applicable requirements."

NIST HB44 2025 Editorial Changes

Section	Code	Paragraph	Action	Page
2.20.	Scales	S.1.11.1. Devices and Systems Adjusted Using a Removable Digital Storage Device.	Added a designation after the paragraph "(added 2019)" to identify the date it was added to the handbook.	2-14
		Table 3. Parameters for Accuracy Classes	Corrected footnote references for Class III and III L devices under the U.S. Customary Units section of the table. The footnote reference for Class III was changed to "4" from "5". The footnote reference for Class III L was changed to "2" from "3".	2-22
		UR.2.10. Primary Indicating Elements Provided by the User.	Changed the title font of UR.2.10. from upright roman type to italic type and corrected the reference to the sub-paragraph of S.1.1.1. from "(c)" to "(d)".	2-54

Section	Code	Paragraph	Action	Page
2.23.	Weights	S.2.1. Surface.	Removed the second "or" in the second sentence of the paragraph to make the sentence grammatically correct and to read as: "A weight of more than 2 grams or 30 grains shall not have sharp edges, points, or corners.	2-95
3.31.	Vehicle-Tank Meters	Table 1. Accuracy Classes and Tolerances for Vehicle-Tank Meters Other Than Vehicle-Mounted Milk Meters	Reformatted the overregistration tolerance for Accuracy Class 1.5 Water to be consistent with the other cells in the table.	3-41
Appendix A: Fundamental Considerations	4. Inspection of Commercial Equipment	4.1. Inspection Versus Testing.	Added the word "the" between the words "of" and "value" in the second-to-last sentence to read: "The term testing may then be limited to those operations carried out to determine the accuracy of the value or performance of the equipment under examination by comparison with the actual physical standards of the official."	A-6
Appendix C: General Tables of Units of Measurement	1. Tables of Metric Units of Measurement		Added terms and numbers to further describe the prefixes for multiples and subdivisions in the first paragraph of "1. Tables of Metric Units of Measurement".	C-3
			Added four new SI prefixes. Two for forming multiples: ronna and quetta. Two for forming submultiples: ronto and quecto.	C-3
	Entire Appendix C.		Nonbreaking spaces inserted, following the SP 811 SI symbol writing style.	C-3
			Formatting updated following NIST SP 811 section 10.5.3 grouping digits style.	C-3

Incorporating by reference the National Institute of Standards and Technology (NIST) Handbook 130, Uniform Laws and Regulations in the Areas of Legal Metrology and Fuel Quality is more practical and cost-effective than reproducing similar specifications in Rule. The NIST Handbook 130 is a nationally recognized standard used by weights and measures officials. This document includes a compilation of model laws and regulations and related interpretations and guidelines designed to encourage uniformity in the adoption and implementation of weights and measures laws and regulations. Adopting the most current version promotes uniformity

throughout the United States. The 2026 edition can be found online at the following link; https://nvlpubs.nist.gov/nistpubs/hb/2025/NIST.HB.130-2026.pdf

Listed below is an overview of changes to the 2026 edition of NIST Handbook 130 Incorporation by Reference by ISDA Weights and Measures. A brief summary follows each change, or group of related changes.

NIST HB130 2025 Amendments

Law or Regulation	L&R Committee Item No.	Section	Action	Page
IV. Uniform Regulations				
B. Uniform Regulation for the Method of Sale of Commodities	MOS-25-1	2.21.2. Metered Sales by Liquid Volume, (c)	Amended	132
	Block 1: B1: MOS-25.2	2.39.2 Premium Diesel Fuel, (b)	Note Added	147
	Block 3: B3: MOS-24.5	1.7.1. Ice Cream and Similar Frozen	Amended	109
F. Uniform Fuels and Automotive Lubricants Regulation	FLR-25.2	7.1. ASTM Standard Test Methods	Amended	209
		7.1.1. Premium Diesel	Deleted	209
		7.2.2. Reproducibility	Amended	209
	Block 1: B1: FLR-25.1	2.2.1. Premium Diesel Fuel, (b)	Note Added	193
	Block 2: B2: FLR-24.1	3.11.2.1.4 Identification of Grade	Added	200
		3.12.2.4. Identification of Grade	Added	200

NIST HB130 2025 Summary of Changes

Law or Regulation	Section	Action	Impact to Idaho	Summary
B. Uniform Regulation for the Method of Sale of Commodities	2.21.2. Metered Sales by Liquid Volume, (c)	Amended	Minimal	The January 2030 deadline for temperature compensation on all metered sales is now extended to January 2034.
	2.39.2 Premium Diesel Fuel, (b)	Note Added	Minimal	When Cloud Point determinations are made, ASTM D2500. "Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels" is the referee method.
	1.7.1. Ice Cream and Similar Frozen	Amended	None	Text change from "Factory Packaged Ice Cream and Similar Frozen Products" to " Ice Cream, Ice Pops, and Similar Frozen Novelties."
F. Uniform Fuels and Automotive Lubricants Regulation	7.1. ASTM Standard Test Methods	Amended	Minimal	Added "or as otherwise specified in these regulations"
	7.1.1. Premium Diesel	Deleted	Minimal	removed
	7.2.2. Reproducibility	Amended	None	Revised to indicate section 7.2.1 instead of section 2.2.1

	2.2.1. Premium Diesel Fuel, (b)	Note Added	Minimal	When Cloud Point determinations are made, ASTM D2500. "Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels" is the referee method.
	3.11.2.1.4 Identification of Grade	Added	Minimal	Each retail dispenser of CNG shall be labeled with an identification of the grade of the product as identified in the latest version of ASTM D8080.
	3.12.2.4. Identification of Grade	Added	Minimal	Each retail dispenser of LNG shall be labeled with an identification of the grade of the product as identified in the latest version of ASTM D8080.

NIST HB130 2025 Editorial Changes

Law or Regulation	Section	Action	Page
B. Uniform Regulation for the Method of Sale of Commodities	Section 2 Non-Food Products	Deleted the word '~~or~~" in Section 2.33.4. Street Sign Prices and Other Advertisements.	141

Incorporating by reference the National Institute of Standards and Technology (NIST) Handbook 133, Checking the Net Contents of Packaged Goods, is more practical and cost effective than reproducing similar specifications in Rule. The NIST Handbook 133 is procedural guide for the compliance testing of net content statements on packaged goods. Compliance testing of packaged goods is the determination of conformance results of packaging, distribution, and sale of commodities to specific legal requirements for net content declarations. This handbook has been developed primarily for the use of state, local, and some federal officials. However, it should be useful to commercial and industrial establishments in areas of packaging, distribution, and sale of commodities. Adopting the most current version promotes uniformity throughout the United States. The 2026 edition can be found online at the following link: https://nvlpubs.nist.gov/nistpubs/hb/2025/NIST.HB.133-2026.pdf

Listed below is an overview of changes to the 2026 edition of NIST Handbook 133 Incorporation by Reference by ISDA Weights and Measures. A brief summary follows each change, or group of related changes.

NIST HB133 2025 Amendments

Chapter	Section	Action	Page
No changes have been made in 2025.			

NIST HB133 2025 Summary of Changes

Chapter	Section	Action	Page
No changes have been made in 2025.			

NIST HB133 2025 Editorial Changes

Chapter	Section	Action	Page
Chapter 3. Test Procedures – For Packages Labeled by Volume	Figure 3-5. Height Measurement	Moved Figure 3-5 as it was referenced on the previous page.	71
	Figure 3-6. “Width Measurement	Added the callout of Figure 3-6.	71
	3.1.4.2. Test Procedure. a. Boxed firewood, Step 7	Added parentheses around 1 000 000 in Volume in liters example. The note in step 7, should say 1 liter = 1 000 000 mm^3. The metric example should be first and then the cubic foot.	97
	Figure 3-15a and 3-15b. Firewood Bundle and Bag	Added the callout of Figure 3-15a and 3-15b.	102
	3.14.4. Test Procedure - Bundled and Bagged Firewood, Step 4	Updated note in step 4, to say 1 liter = 1 000 cm^3. The metric example should be first and then the cubic foot.	107
	3.9.1.1. and 3.15.1. Test Equipment, Rigid Rules	Remove the word "Starrett”	108
	Table 3- 7. Recommended Chute Dimensions	Added the callout of Table 3- 7.	108
Chapter 4. Test Procedures – Packages Labeled by Count, Linear Measure, Area, Thickness, and Combinations of Quantities	4.9.2. Test Procedure, Step 8	Updated notation to describe values.	148
Appendix C. Model Inspection Report Forms	Random Package Report – Example	Change the comma in the words product description - lot code - unit price.	202

Chapter	Section	Action	Page
Appendix E. General Tables of Units of Measurement	1. Tables of Metric Units of Measurement	Added digits to the prefixes for the decimal/subunits.	235
		Added four new SI prefixes. Two for forming multiples: ronna and quetta. Two forming submultiples: ronto and quecto.	235
	Entire Appendix E.	Nonbreaking spaces inserted, following the SP 811 SI symbol writing style.	235
		Formatting updated following NIST SP 811 section 10.5.3 grouping digits style.	235

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