



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

January 27, 2022

DMS NOTICE
G – 22 – 01
Discard: January 2023

TO: WEIGHTS AND MEASURES OFFICIALS

Subject: 2022 Field Reference Manual and Revision Index

The 2022 Field Reference Manual (FRM) and Revision Index are now posted and available on the Division of Measurement Standards (DMS) website at:

<http://www.cdfa.ca.gov/dms/publications.html>

In 2021, there was only one change made to Title 4, Division 9 of the California Code of Regulations (CCR).

- [CCR Chapter 3. Device Inspection](#) was amended. New devices (hydrogen gas-measuring devices, electric vehicle fueling systems) were added to Article 1. § 4070. The device administrative fees in § 4075 were amended, and other clarifying edits were made throughout Chapter 3.

The 2022 FRM Revision Index, as well as the NIST Handbooks' Index of Amendments and Editorial Changes, are included as an attachment to this Notice.

Note: The 2020 Edition of NIST Handbook 133, Checking the Net Contents of Packaged Goods is still recognized as the current edition. No items were adopted or modified in NIST Handbook 133 at the 105th and 106th NCWM Annual Meetings.

If you have any questions, please contact DMS, at (916) 229-3000 or by email at dms@cdfa.ca.gov.

Sincerely,

Kristin
Macey
Director
cc: Hyrum Eastman, County/State Liaison

Attachment



2022 Revision Index

On April 28, 2021, the Office of Administrative Law (OAL) approved the proposed amendments to the Device Administration – Inspections and Fees regulation in CCR Title 4, Sections 4070 through 4075. These changes became effective upon filing.

NIST Handbooks - Amendments and Editorial Changes:

See the 2022 changes to NIST Handbooks 44, 130 and 133

[NIST HB 44, 2022 Edition](#): Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices

[2021 Amendments/Editorial Changes DOCX](#) | [PDF](#)

[NIST HB 130, 2022 Edition](#) – IV. Uniform Packaging and Labeling Regulation – Chapter 4, Uniform Regulations

[2021 Amendments/Editorial Changes PDF](#)

[NIST HB 133, 2020 Edition](#) - Checking the Net Contents of Packaged Goods

Note: At the 105th and 106th NCWM Annual Meetings there were no items adopted or modifications made to NIST Handbook 133 (2020), Checking the Net Contents of Packaged Goods. The 2020 Edition of NIST Handbook 133 will be recognized as the current edition of the handbook until NCWM and NIST agree to publish a new edition.

2021 Amendments for the 2022 Edition of Handbook 44

SECTION	CODE	PARAGRAPH	ACTION	PAGE
2.20.	Scales	S.1.2.2.2. S.1.2.2.3.	Deleted and renumbered subsequent paragraph from S.1.2.2.4. to S.1.2.2.2.	2-9
2.20.	Scales	S.1.8.5.	The last two paragraphs were moved from the footnotes to paragraph text after (e) in the body of the paragraph with concurrence of the NCWM S&T Committee.	2-13
2.20.	Scales	S.1.14., S.3.4.	Added	2-14, 2-18
2.20.	Scales	Table S.6.3.a.	Amended	2-23 to 2-24
2.20.	Scales	Table S.6.3.b. Note 25, Table S.6.3.b. Note 26, Table S.6.3.b. Note 27	Added	2-26

2.20.	Scales	N.1.5.	Amended	2-32
2.20.	Scales	N.7., N.7.1., N.7.2., N.7.3., N.7.4., N.7.5.	Added	2-38
2.20.	Scales	Table 7a.	Amended	2-50
2.20.	Scales	UR.5.	Amended and formatted into subparagraphs (a) and (b)	2-58
2.20.	Scales	UR.3.13.	Added	2-58
3.30.	Liquid-Measuring Devices	S.1.6.10.	Amended	3-12
		UR.4.2.	Added	3-26
3.32. LPG and Anhydrous Ammonia Liquid- Measuring Devices	LPG-20.1	S.2.5.	Amended and renumbered to include S.2.5.1. and S.2.5.2.	3-54
3.32.	LPG-20.1	S.2.6.	Renumbered existing S.2.6. to S.2.5.2.	3-54
LPG and Anhydrous Ammonia Liquid- Measuring Devices	LPG-20.1	S.2.6., S.2.6.1., and S.2.6.2.	Added new S.2.6. with content on timeout from original S.2.5. Zero-Set-Back Interlock	3-54
3.36. Water Meters	WTR-20.2 (2020 Item)*	S.1.1.4.	Amended	3-99
		S.3.2.	Added	3-103
3.37.	Mass Flow Meters	S.1.3.3.	Amended	3-112
3.40.	Electric Vehicle Fueling Systems	Table S.3.3.	Amended	3-162
3.40.	Electric Vehicle Fueling Systems	S.5.2.	Amended	3-163
3.40.	Electric Vehicle Fueling Systems	minimum measured quantity	Added to Tentative Code	3-170
3.40.	Electric Vehicle Fueling Systems	submeter	Amended	3-171
5.55.	Timing Devices	S.1.1.3.	Amended	5-41
5.56.(a) Grain Moisture Meters	GMA-20.1	Table S.2.5.	Amended	5-54
5.56.(a)	GMA-20.1	S.2.5.1.	Added	5-55

Grain Moisture Meters				
5.58. Multiple Dimension Measuring Devices	MDM-20.1	S.1.3., Table S.1.6., S.1.7., S.1.8., S.2., S.2.2., S.2.2.1.	Amended	5-84, 5-85, 5-85, 5-87, 5-87, 5-87
5.58. Multiple Dimension Measuring Devices	MDM-20.1	S.2.2.2. and Acceptable Example Tables	Deleted	5-87
Appendix A	Fundamental Considerations	Section 2.1 Acceptance and Maintenance Tolerances	Amended	A-4
Appendix D	Definitions	data acquisition time	Added	D-10
Appendix D	Definitions	dimensional offset	Added	D-11
Appendix D	Definitions	point-based railroad weighing systems	Added	D-22
Appendix D	Definitions	reference vehicle	Added	D-24
Appendix D	Definitions	vehicle scale	Amended	D-29
Appendix D	Definitions	weigh-in-motion (WIM) vehicle scale	Added	D-30

2021 HB 44 Editorial Changes to the 2022 Edition

SECTION	CODE	PARAGRAPH	ACTION	HB 44 PAGE
3.40.	Electric Vehicle Fueling Systems	N.2.	Separate “maybe” into “may” and “be”.	3-164
Appendix C	General Tables of Units of Measurement	In the second table under the section titled “Units of Capacity or Volume - Dry Volume Measure”	Correct the equivalent for dry pint in cubic inches from the erroneous value listed of “1.12 cubic inches” to the correct value of “33.600 312 5 cubic inches.”	C-13

2021 Handbook 130 Amendments / Editorial Changes

Law or Regulation	Section	Action	HB 130 Page
A. Uniform Packaging and Labeling Regulation	11.19. Margarine	Amended	84

A. Uniform Packaging and Labeling Regulation	11.34. Bacon	Added	87
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2021 L&R Editorial Changes

Editorial Note: There were no editorial changes to the 105th (2020) and 106th (2021) National Conference on Weights and Measures (NCWM) HB 130“A. Uniform Packaging and Labeling Regulation”