



CALIFORNIA DEPARTMENT OF  
FOOD & AGRICULTURE

Karen Ross, Secretary

January 5, 2017

DMS NOTICE  
G - 17 - 02  
Discard: January 2018

**TO:** WEIGHTS AND MEASURES OFFICIALS

**SUBJECT:** 2017 Field Reference Manual and Revision Index

The 2017 Field Reference Manual (FRM) and Revision Index are now posted and available on the Division of Measurement Standards' (DMS) website at:

[www.cdfa.ca.gov/dms/publications.html](http://www.cdfa.ca.gov/dms/publications.html)

There were no new or amended regulations added in 2016 to the California Code of Regulations (CCR) Title 4, Division 9 for 2017. However, DMS has made the following improvements/changes to the FRM:

- Chapter cover pages have been reformatted and are now in color.
- DMS has not published the text for CCR Chapter 10, Article 3. Wood for Fuel Purposes, §§ 4530 - 4536.2. This is because Article 3 is different than the procedures included in the National Institute of Standards and Technology (NIST) Handbook 133 "Checking the Net Contents of Packaged Goods" in section "3.14. Firewood" which are adopted by reference in accordance with BPC § 12211.
- The entire 2017 Edition of NIST Handbook 133 is included in the FRM, Chapter 11.

Please see attached screenshots with brief instructions on searching through the Chapters.

If you have any questions, please contact Tammy Sulli, at (916) 229-3000 or by email at [Tammy.Sulli@cdfa.ca.gov](mailto:Tammy.Sulli@cdfa.ca.gov).

Sincerely,

Kristin J. Macey  
Director

cc: Gary Leslie, County/State Liaison, CDFA

Attachment



Example: Links within the FRM Chapter

CCR § 4000, Application  
Handbook 44 – 2016 3.39. Hydrogen Gas-Measuring Devices

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CCR § 4000, Application  
Handbook 44 – 2016 3.39. Hydrogen Gas-Measuring Devices

§ 4002.9. Hydrogen Gas-Measuring Devices (3.39) ..... 111

A. Application ..... 111

A.1. General. – This code applies to devices that are used for the measurement of hydrogen gas in the vapor state used as a vehicle fuel.

A.2. Exceptions. – This code does not apply to:

(a) Devices used solely for dispensing a product in connection with operations in which the amount dispensed does not affect customer charges.

(b) The wholesale delivery of hydrogen gas.

(c) Devices used for dispensing a hydrogen gas with a hydrogen fuel index lower than 99.97% and concentrations of specified impurities that exceed level limits.

(d) Systems that measure pressure, volume, and temperature with a calculating device to determine the mass of gas accumulated in or discharged from a tank of known volume.

A.3. Additional Code Requirements. – In addition to the requirements of this code, Hydrogen Gas-Measuring Devices shall meet the requirements of Section 1.10. General Code.

**A.4. Type Evaluation [NOT ADOPTED - § 4001, Exceptions:]**

S. Specifications

S.1. Indicating and Recording Elements.

S.1.1. Indicating Elements. – A measuring assembly shall include an indicating element that continuously displays measurement results relative to quantity and total price. Indications shall be clear, definite, accurate, and easily read under normal conditions of operation of the device.

S.1.2. Vehicle Fuel Dispensers. – A hydrogen gas dispenser used to fuel vehicles shall be of the computing type and shall indicate the mass, the unit price, and the total price of each delivery.

S.1.3. Units.

S.1.3.1. Units of Measurement. – Deliveries shall be indicated and recorded in kilograms and decimal subdivisions thereof.

S.1.3.2. Numerical Value of Quantity-Value Divisions. – The value of an interval (i.e., increment or scale division) shall be equal to:

D3-111 (DMS 01-01-16)