January 5, 2017

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

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.

Sincerely,

Kristin J. Macey
Director

cc: Gary Leslie, County/State Liaison, CDFA

Attachment
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## 4.002.8 Hydrogen Gas-Measuring Devices

### A. Application

#### A.1 General

- This code applies to devices that are used for the measurement of hydrogen gas in the input state used in a hydrogen fuel.

#### A.2 Exceptions

- The code does not apply to:
  - Devices held solely for the dispensing hydrogen gas in the input state used in a hydrogen fuel.
  - The immediate delivery of hydrogen gas.
  - Devices used for dispensing hydrogen gas with a hydrogen fuel additive less than 99.97% and concentrations of specified impurities that exceed the limit.

- The fuel gas composition and hydrogen gas metering requirements, in addition to the requirements of this code, Hydrogen Gas-Measuring Devices shall be the implement of Section 15.5 Gener Code.

### 5. Specifications

#### 5.1 Indicating and Recording Devices

- **5.1.1 Indicating Devices**: A measuring assembly shall include an indicator element that continuously displays measurements relative to quantity and weight. Indicators shall be clear, definite, accurate, and easily readable under normal conditions of operation of the device.

- **5.1.2 Vehicle Fuel Dispersions**: A hydrogen gas dispersion in a fuel vehicle shall be of the correct type and shall indicate the output, input, and the net price of each delivery.

- **5.1.3 Gas Flow Devices**: Devices shall be incorporated in a hydrogen fuel system and shall include gas flow meters of the same type and shall indicate the output, input, and the net price of each delivery.

- **5.1.4 Numerical Value of Quantity Values**: The value of an integral or an increasing or decreasing value shall be equal to...