

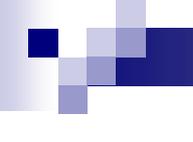


# Commercial Hydrogen Measurement Codes and Standards Update

September 29, 2009

John Mough

CA Division of Measurement Standards



## Transition from Demonstration Stations to Commercial Stations: Establishing National and State Codes (Fuel Dispensing Device Requirements; Method of Sale; Fuel Quality)

- US National Work Group (USN WG): Proposes Codes to National Conference on Weights and Measures (NCWM)
- NCWM: Reviews and Votes to Approve National Codes
- States: Adopt Codes by Law or Regulation



Transition from Demonstration Stations to Commercial Stations: Establishing National and State Codes (Fuel Dispensing Device Requirements; Method of Sale; Fuel Quality)

- ASTM D03.14 Committee
- SAE J2719 Committee
- ISO 14687-2



# Transition from Demonstration Stations to Commercial Stations: California Division of Measurement Standards (DMS)

- April 2009: AB 118 Investment Plan included \$3.5 M to DMS to research fuel dispensing device test standards and methods, fuel sampling procedures and laboratory techniques for fuel quality analysis
- Interagency agreement between CEC and DMS being finalized
- Next Investment Plan:
  - Validation of Analytical Procedures
  - Research New Dispenser Technologies
- Establish Funding Source for Alternative Fuels Oversight



# Useful Links

- NIST Weights and Measures Division  
(and USNWG Proposed Codes)  
<http://ts.nist.gov/WeightsAndMeasures/index.cfm>
- NCWM <http://www.ncwm.net/>
- CA DMS <http://www.cdfa.ca.gov/dms/>

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