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Many standards development organizations (SDOs) are working to develop codes and standards needed for the utilization of alternative fuel vehicle technologies. This chart shows the SDOs responsible for leading the support and development of key codes and standards for electric.

Vehicles	Dispensing	Infrastructure
CONTROLLING AUTHORITIES: DOT/NHTS	CONTROLLING AUTHORITIES: Local Building and Fire Departments	CONTROLLING AUTHORITIES: State and Federal Energy Regulatory Commissions
Light Vehicle Exterior Sound Level  SAE Standards  SAE Light Duty Vehicle Performance and Economy Measure  SAE Truck and Bus Hybrid and Electric Vehicle  SAE Truck and Bus Alternative Fuels  SAE Fuel Systems Standards  SAE Hybrid Standards  SAE Fuel Cell Standards  SAE Storage Battery Standards  SAE Engine Power Standards  SAE	Vehicle and Charger Interface  Institute of Electrical and Electronics Engineers, Inc.  NFPA National Fire Protection Association  SAE Society of Automotive Engineers Vehicle Charging Stations  NFPA National Fire Protection Association Charging Station Components  UL Underwriters Laboratory General Construction Requirements  ICC International Code Council	Power Plant Construction and Operation  FERC Federal Energy Regulatory Commission Grid Operations Standards  NIST National Institute of Standards and Technology Power Plant Construction and Operation  NARUC National Association of Regulatory Utility Commissioners Grid Operations  NERC North American Electric Reliability Council

Key for Standards Development Organizations (SDOs)

This key provides the acronyms, names, and standards development areas that correspond with the standards development organization logos in the chart above.

Organization Name			Standards Development Areas
	AGA	American Gas Association	Materials testing standards
	API	American Petroleum Institute	Equipment standards for petroleum production, storage and handling
	ASHRAE	American Society of Heating, Refrigerating, and Air-Conditioning Engineers	Promoting sustainability through research, standards writing, publishing, and education
	ASME	American Society of Mechanical Engineers	Mechanical and multidisciplinary engineering, design codes and standards
	ASTM	American Society for Testing and Materials	Technical test standards for materials, products, systems
	CGA	Compressed Gas Association	Equipment design and performance standards for compressed gas systems and components
	CSA	CSA Standards	US and Canadian equipment standards
	DOT	Department of Transportation	Federal transportation regulatory agency
	FERC	Federal Energy Regulatory Commission	Regulates interstate transmission of electricity, gas, and oil
	GTI	Gas Technology Institute	Supplies technical support and training for the energy industry
	ICC	International Code Council	Family of model building codes, including the International Fire Code
	IEEE	Institute of Electrical and Electronics Engineers	Electrical standards
	NERC	North American Electric Reliability Corporation	Produces standards for electric grid operation
	NFPA	National Fire Protection Association	Model codes and standards, including the National Electric Code
	NIST	National Institute of Standards and Technology	Measurement standards
	SAE	Society of Automotive Engineers	Vehicle standards
	NARUC	National Association of Regulatory Utility Commissioners	Represents state public service commissions
	UL	Underwriters Laboratory	Equipment and performance testing standards