

Index	Requirement(s)	Met?	Comments
<p>A. Application</p> <p><i>Code Reference: A. Application</i></p>			
<p>A.1.</p>	<p>General</p> <p>This code applies to devices, accessories, and systems used for the measurement of electricity dispensed in vehicle fuel applications wherein a quantity determination or statement of measure is used wholly or partially as a basis for sale or upon which a charge for service is based.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>A.2.</p>	<p>Exceptions</p> <p>This code does not apply to:</p> <p>(a) the use of any measure or measuring device owned, maintained, and used by a public utility or municipality only in connection with measuring electricity subject to the authority having jurisdiction such as the Public Utilities Commission.</p> <p>(b) Electric Vehicle Supply Equipment (EVSEs) used solely for dispensing electrical energy in connection with operations in which the amount dispensed does not affect customer charges or compensation.</p> <p>(c) the wholesale delivery of electricity.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>A.3.</p>	<p>Additional Code Requirements</p> <p>In addition to the requirements of this code, Electric Fueling Systems shall meet the requirements of Section 1.10. General Code.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>A.3.1.</p>	<p>Electric Vehicle Supply Equipment (EVSE) with Integral Time-Measuring Devices</p> <p>An EVSE that is used for both the sale of electricity as vehicle fuel and used to measure time during which services (e.g., vehicle parking) are received. These devices shall also meet the requirements of Section 5.55. Timing Devices.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>A.4.</p>	<p>Type Evaluation</p> <p>The National Type Evaluation Program (NTEP) will accept for type evaluation only those EVSEs that comply with all requirements of this code and have received safety certification by a nationally recognized testing laboratory (NRTL).</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>G-S. Specifications</p> <p><i>Code Reference: G-S. Specifications</i></p>			
<p>G-S.1</p>	<p>Identification</p> <p>All equipment, except weights and separate parts necessary to the measurement process but not having any metrological effect, shall be <u>clearly</u> and <u>permanently marked</u> for the purposes of identification with the following information:</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(a) the name, initials, or trademark of the manufacturer or distributor;</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(b) a model identifier that positively identifies the pattern or design of the device;</p> <p>The model identifier shall be prefaced by the word “Model,” “Type,” or “Pattern.” These terms may be followed by the word “Number” or an abbreviation of that word. The abbreviation for the word “Number” shall, as a minimum, begin with the letter “N” (e.g., No or No.). The abbreviation for the word “Model” shall be “Mod” or “Mod.” Prefix lettering may be initial capitals, all capitals, or all lower case.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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	<p>(c) a nonrepetitive serial number;</p> <p>The serial number shall be prefaced by words, an abbreviation, or a symbol, that clearly identifies the number as the required serial number. Abbreviations for the word “Serial” shall, as a minimum, begin with the letter “S,” and abbreviations for the word “Number” shall, as a minimum, begin with the letter “N” (e.g., S/N, SN, Ser. No., and S. No.).</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(e) a National Type Evaluation Program (NTEP) Certificate of Conformance (CC) number or a corresponding CC Addendum Number for devices that have a CC. The CC Number or a corresponding CC Addendum Number shall be prefaced by the terms “NTEP CC,” “CC,” or “Approval.” These terms may be followed by the word “Number” or an abbreviation of that word. The abbreviation for the word “Number” shall, as a minimum, begin with the letter “N” (e.g., No or No.).</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>The required information shall be so located that it is readily observable without the necessity of the disassembly of a part requiring the use of any means separate from the device.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>G-S.3</p>	<p>Permanence</p> <p>All equipment shall be of such materials, design, and construction as to make it probable that, under normal service conditions:</p> <p>(a) accuracy will be maintained; (b) operating parts will continue to function as intended; and (c) adjustments will remain reasonably permanent.</p> <p>Undue stresses, deflections, or distortions of parts shall not occur to the extent that accuracy or permanence is detrimentally affected.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>G-S.4</p>	<p>Interchange or Reversal of Parts</p> <p>Parts of a device that may readily be interchanged or reversed in the course of field assembly or of normal usage shall be:</p> <p>(a) so constructed that their interchange or reversal will not affect the performance of the device; or (b) so marked as to show their proper positions.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>G-S.5.2.2</p>	<p>Digital Indication and Representation</p> <p>Digital elements shall be so designed that:</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(a) all digital values of like value in a system agree with one another.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(c) a digital value “rounds off” to the nearest minimum unit that can be indicated or recorded.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>G-S.5.2.3</p>	<p>Size and Character</p> <p>In any series of graduations, indications, or recorded representations, corresponding graduations and units shall be uniform in size and character. Graduations, indications, or recorded representations that are subordinate to, or of a lesser value than others with which they are associated, shall be appropriately portrayed or designated.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>G-S.5.2.5</p>	<p>Permanence</p> <p>Graduations, indications, or recorded representations and their defining figures, words, and symbols shall be of such character that they will not tend easily to become obliterated or illegible.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>G-S.5.3</p>	<p>Values of Graduated Intervals or Increments</p> <p>In any series of graduations, indications, or recorded representations, the values of the graduated intervals or increments shall be uniform throughout the series.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>G-S.5.5</p>	<p>Money Values, Mathematical Agreement</p> <p>Any recorded money value and any digital money-value indication on a computing-type weighing or measuring device used in retail trade shall be in mathematical agreement with its associated quantity representation or indication to the nearest 1 cent of money value.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>G-S.6</p>	<p>Marking Operational Controls, Indications, and Features</p> <p>All operational controls, indications, and features, including switches, lights, displays, push buttons, and other means, shall be clearly and definitely identified. The use of approved pictograms or symbols shall be acceptable.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>G-S.7</p>	<p>Lettering</p> <p>All required markings and instructions shall be distinct and easily readable and shall be of such character that they will not tend to become obliterated or illegible.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>S. Specifications</p> <p><i>Code Reference: S. Specifications</i></p>			
<p>S.1. Primary Indicating and Recording Elements</p>			
<p>S.1.1.</p>	<p>Electric Vehicle Supply Equipment (EVSE)</p> <p>An EVSE used to charge electric vehicles shall be of the computing type and shall indicate the electrical energy, the unit price, and the total price of each transaction.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(a) EVSEs capable of applying multiple unit prices over the course of a single transaction shall also be capable of indicating the start and stop time, the total quantity of energy delivered, the unit price, and the total price for the quantity of energy delivered during each discrete phase corresponding to one of the multiple unit prices.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(b) EVSEs capable of applying additional fees for time-based and other services shall also be capable of indicating the total time measured; the unit price(s) for the additional time based service(s); the total computed price(s) for the time measured; and the total transaction price, including the total price for the energy and all additional fees.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>S.1.2.</p>	<p>EVSE Indicating Elements</p> <p>An EVSE used to charge electric vehicles shall include an indicating element that accumulates continuously and displays, for a minimum of 15 seconds at the activation by the user and at the start and end of the transaction, the correct 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. All indications and representations of electricity sold shall be clearly identified and separate from other time-based fees indicated by an EVSE that is used for both the sale of electricity as vehicle fuel and the sale of other separate time-based services (e.g., vehicle parking).</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.1.2.1</p>	<p>Multiple EVSEs Associated with a Single Indicating Element</p> <p>A system with a single indicating element for two or more EVSEs shall be provided with means to display information from the individual EVSE(s) selected or displayed, and shall be provided with an automatic means to indicate clearly and definitely which EVSE is associated with the displayed information.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.1.3</p>	<p>EVSE Units</p>		
<p>S.1.3.1</p>	<p>EVSE Units of Measurement</p> <p>EVSE units used to charge electric vehicles shall be indicated and recorded in megajoules (MJ) or kilowatt-hours (kWh) and decimal subdivisions thereof.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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S.1.3.2	<p>EVSE Value of Smallest Unit</p> <p>The value of the smallest unit of indicated delivery by an EVSE, and recorded delivery if the EVSE is equipped to record, shall be 0.005 MJ or 0.001 kWh.</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.1.3.3	<p>Values Defined</p> <p>Indicated values shall be adequately defined by a sufficient number of figures, words, symbols, or combinations thereof. An indication of “zero” shall be a zero digit for all displayed digits to the right of the decimal mark and at least one to the left.</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.2. EVSE Operating Requirements			
S.2.1	<p>EVSE Return to Zero</p> <p>(a) the primary indicating and the primary recording elements of an EVSE used to charge electric vehicles, if the EVSE is equipped to record, shall be provided with a means for readily returning the indication to zero either automatically or manually.</p> <p>(b) it shall not be possible to return primary indicating elements, or primary recording elements, beyond the correct zero position.</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	

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<p>S.2.2</p>	<p>EVSE Indicator Zero Reset Mechanism</p> <p>The reset mechanism for the indicating element of an EVSE used to charge electric vehicles shall not be operable during a transaction. Once the zeroing operation has begun, it shall not be possible to indicate a value other than: the latest measurement; “all zeros;” blank the indication; or provide other indications that cannot be interpreted as a measurement during the zeroing operation.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.2.3</p>	<p>EVSE Provision for Power Loss</p>		
<p>S.2.3.1</p>	<p>Transaction Information</p> <p>In the event of a power loss, the information needed to complete any transaction (i.e., delivery is complete and payment is settled) in progress at the time of the power loss (such as the quantity and unit price, or sales price) shall be determinable through one of the means listed below or the transaction shall be terminated without any charge for the electrical energy transfer to the vehicle:</p>		
<p>(a) at the EVSE;</p>		<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>(b) at the console, if the console is accessible to the customer;</p>		<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>(c) via on site internet access; or</p>		<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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	(d) through toll-free phone access.	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
	For EVSEs in parking areas where vehicles are commonly left for extended periods, the information needed to complete any transaction in progress at the time of the power loss shall be determinable through one of the above means for at least eight hours.	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.2.3.2	Transaction Termination In the event of a power loss, either:		
	(a) the transaction shall terminate at the time of the power loss; or	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
	(b) the EVSE may continue charging without additional authorization if the EVSE is able to determine it is connected to the same vehicle before and after the supply power outage.	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
	In either case, there must be a clear indication on the receipt provided to the customer of the interruption, including the date and time of the interruption along with other information required under S.2.6. EVSE Recorded Representations.	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.2.3.3	User Information The EVSE memory, or equipment on the network supporting the EVSE, shall retain information on the quantity of fuel dispensed and the sales price totals during power loss.	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	

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S.2.4	EVSE Indication of Unit Price and Equipment Capacity and Type of Voltage		
S.2.4.1	<p>Unit Price</p> <p>An EVSE shall be able to indicate on each face the unit price at which the EVSE is set to compute or to dispense at any point in time during a transaction.</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.2.4.2	<p>Equipment Capacity and Type of Voltage</p> <p>An EVSE shall be able to conspicuously indicate on each face the maximum rate of energy transfer (i.e., maximum power) and the type of current associated with each unit price offered (e.g., 7 kW AC, 25 kW DC, etc.).</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.2.4.3	<p>Selection of Unit Price</p> <p>When electrical energy is offered for sale at more than one unit price through an EVSE, the selection of the unit price shall be made prior to delivery through a deliberate action of the purchaser to select the unit price for the fuel delivery. Except when the conditions for variable price structure have been approved by the customer prior to the sale, a system shall not permit a change to the unit price during delivery of electrical energy.</p> <p>Note: When electrical energy is offered at more than one unit price, selection of the unit price may be through the deliberate action of the purchaser: 1) using controls on the EVSE; 2) through the purchaser's use of personal or vehicle-mounted electronic equipment communicating with the system; or 3) verbal instructions by the customer.</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	

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<p>S.2.4.4</p>	<p>Agreement Between Indications</p> <p>All quantity, unit price, and total price indications within a measuring system shall agree for each transaction.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.2.5</p>	<p>EVSE Money-Value Computations</p> <p>An EVSE shall compute the total sales price at any single-purchase unit price for which the electrical energy being measured is offered for sale at any delivery possible within either the measurement range of the EVSE or the range of the computing elements, whichever is less.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.2.5.1</p>	<p>Money-Value Divisions Digital</p> <p>An EVSE with digital indications shall comply with the requirements of paragraph G-S.5.5. Money-Values, Mathematical Agreement, and the total price computation shall be based on quantities not exceeding 0.5 MJ or 0.1 kWh.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.2.5.2</p>	<p>Auxiliary Elements</p> <p>If a system is equipped with auxiliary indications, all indicated money value and quantity divisions of the auxiliary element shall be identical to those of the primary element.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>S.2.6</p>	<p>EVSE Recorded Representations</p> <p>A receipt, either printed or electronic, providing the following information shall be available at the completion of all transactions:</p> <p>(a) the total quantity of the energy delivered with unit of measure;</p> <p>(b) the total computed price of the energy sale;</p> <p>(c) the unit price of the energy, and for systems capable of applying multiple unit prices for energy during a single transaction, the following additional information is required:</p> <ol style="list-style-type: none"> (1) the start and stop time of each phase during which one of the multiple unit prices was applied; (2) the unit price applied during each phase; (3) the total quantity of energy delivered during each phase; (4) the total purchase price for the quantity of energy delivered during each phase; <p>(d) the maximum rate of energy transfer (i.e., maximum power) and type of current (e.g., 7 kW AC, 25 kW DC, etc.);</p> <p>(e) any additional separate charges included in the transaction (e.g., charges for parking time) including:</p> <ol style="list-style-type: none"> (1) the time and date when the service begins and the time and date when the service ends; or the total time interval purchased, and the time and date that the service either begins or ends; (2) the unit price applied for the time-based service; (3) the total purchase price for the quantity of time measured during the complete transaction; <p>(f) the final total price of the complete transaction including all items;</p> <p>(g) the unique EVSE identification number;</p> <p>(h) the business name; and</p> <p>(i) the business location.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>S.2.7</p>	<p>Indication of Delivery</p> <p>The EVSE shall automatically show on its face the initial zero condition and the quantity delivered (up to the capacity of the indicating elements).</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.3. Design of Measuring Elements and Measuring Systems.</p>			
<p>S.3.1</p>	<p>Metrological Components</p> <p>An EVSE measuring system shall be designed and constructed so that metrological components are adequately protected from environmental conditions likely to be detrimental to accuracy. The system shall be designed to prevent undetected access to adjustment mechanisms and terminal blocks by providing for application of a physical security seal or an audit trail.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.3.2</p>	<p>Terminals</p> <p>The terminals of the EVSE system shall be arranged so that the possibility of short circuits while removing or replacing the cover, making connections, or adjusting the system, is minimized.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>S.3.3</p>	<p>Provision for Sealing</p> <p>Adequate provision shall be made for an approved means of security (e.g., data change audit trail) or physically applying security seals in such a manner that no adjustment may be made of:</p> <p>(a) each individual measurement element;</p> <p>(b) any adjustable element for controlling voltage or current when such control tends to affect the accuracy of deliveries;</p> <p>(c) any adjustment mechanism that corrects or compensates for energy loss between the system and vehicle connection; and</p> <p>(d) any metrological parameter that detrimentally affects the metrological integrity of the EVSE or system.</p> <p>When applicable, the adjusting mechanism shall be readily accessible for purposes of affixing a security seal. Audit trails shall use the format set forth in Table S.3.3. Categories of Device and Methods of Sealing.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.3.4</p>	<p>Data Storage and Retrieval</p> <p>(a) EVSE data accumulated and indicated shall be unalterable and accessible.</p> <p>(b) values indicated or stored in memory shall not be affected by electrical, mechanical, or temperature variations, radio-frequency interference, power failure, or any other environmental influences to the extent that accuracy is impaired.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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	(c) memory and/or display shall be recallable for a minimum of three years. A replaceable battery shall not be used for this purpose.	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.3.5	<p>Temperature Range for System Components</p> <p>EVSEs shall be accurate and correct over the temperature range of – 40 °C to + 85 °C (– 40 °F to 185 °F). If the system or any measuring system components are not capable of meeting these requirements, the temperature range over which the system is capable shall be stated on the NTEP CC, marked on the EVSE, and installations shall be limited to the narrower temperature limits.</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.4. Connections			
S.4.1	<p>Diversion of Measured Electricity</p> <p>No means shall be provided by which any measured electricity can be diverted from the measuring device.</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	
S.4.1.1	<p>Unauthorized Disconnection</p> <p>Means shall be provided to automatically terminate the transaction in the event that there is an unauthorized break in the connection with the vehicle.</p>	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	

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<p>S.4.2</p>	<p>Directional Control</p> <p>If a reversal of energy flow could result in errors that exceed the tolerance for the minimum measured quantity, effective means, automatic in operation to prevent or account for the reversal of flow shall be properly installed in the system. (See N.3. Minimum Test Draft [Size]).</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.5. Markings</p> <p>The following identification and marking requirements are in addition to the requirements of Section 1.10. General Code, paragraph G-S.1. Identification.</p>			
<p>S.5.1</p>	<p>Location of Marking Information; EVSE</p> <p>The marking information required in General Code, paragraph G-S.1. Identification shall appear as follows:</p>		
	<p>(a) within 60 cm (24 in) to 150 cm (60 in) from ground level; and</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(b) on a portion of the EVSE that cannot be readily removed or interchanged (e.g., not on a service access panel).</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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<p>S.5.2</p>	<p>EVSE Identification and Marking Requirements</p> <p>In addition to all the marking requirements of Section 1.10. General Code, paragraph G-S.1. Identification, each EVSE shall have the following information conspicuously, legibly, and indelibly marked:</p>		
	<p>(a) voltage rating;</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(b) maximum current deliverable;</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(c) type of current (AC or DC or, if capable of both, both shall be listed);</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(d) minimum measured quantity (MMQ); and</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(e) temperature limits, if narrower than and within – 20 °C to + 50 °C (– 4 °F to 122 °F).</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.5.3</p>	<p>Abbreviations and Symbols</p> <p>The following abbreviations or symbols <u>may</u> appear on an EVSE system:</p>		
	<p>(a) VAC = volts alternating current;</p>	<p>YES <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(b) VDC = volts direct current;</p>	<p>YES <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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	(c) MDA = maximum deliverable amperes;	YES <input type="checkbox"/> N/A <input type="checkbox"/>	
	(d) J = joule.	YES <input type="checkbox"/> N/A <input type="checkbox"/>	
<p>S.6. Printer</p> <p>When a system is equipped with means for printing the measured quantity, the printed information must agree with the indications on the EVSE for the transaction and the printed values shall be clearly defined.</p>			
<p>S.6.1</p>	<p>Printed Receipt</p> <p>Any delivered, printed quantity shall include an EVSE identification number that uniquely identifies the EVSE from all other EVSEs within the seller’s facility, the time and date, and the name of the seller. This information may be printed by the EVSE system or pre-printed on the ticket.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>S.7. Totalizers for EVSE Systems</p>			
	<p>EVSE systems shall be designed with a nonresettable totalizer for the quantity delivered through each separate measuring device. Totalizer information shall be adequately protected and unalterable. Totalizer information shall be provided by the system and readily available on site or via on site internet access.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

Index	Requirement(s)	Met?	Comments
<p>S.8. Minimum Measured Quantity (MMQ)</p> <p>The minimum measured quantity shall satisfy the conditions of use of the measuring system as follows:</p>			
	<p>(a) measuring systems shall have a minimum measured quantity not exceeding 2.5 MJ or 0.5 kWh.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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Index	Requirement(s)	Met?	Comments
<p>N. Notes</p> <p>Code Reference: N. Notes</p>			
<p>N.1. No Load Test</p>			
	<p>A no load test may be conducted on an EVSE measuring system by applying rated voltage to the system under test and no load applied.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>N.2. Starting Load Test</p>			
	<p>A system starting load test maybe conducted by applying rated voltage and 0.5-ampere load.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>N.3. Minimum Test Draft (Size)</p>			
	<p>Full and light load tests shall require test of the EVSE System for a delivery of the minimum measured quantity as declared by the manufacturer.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

Index	Requirement(s)	Met?	Comments
N.4. EVSE System Test Loads			
	<p>EVSE measuring system testing shall be accomplished by connecting the test load and test standard at the point where the fixed cord is connected to the vehicle. Losses in the cord between the EVSE under test and the test standard should be automatically corrected for in the EVSE quantity indication for direct comparison to the test standard and also while the EVSE is in normal operation. For EVSEs that require a customer-supplied cord, system testing shall be accomplished by connecting the test load and test standard at the point where the customer's cord is connected to the EVSE.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

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Index	Requirement(s)	Met?	Comments
<p>T. Tolerances</p> <p><i>Code Reference: T. Tolerances</i></p>			
<p>T.1. Tolerances, General.</p> <p>(a) The tolerances apply equally to errors of underregistration and errors of overregistration.</p> <p>(b) The tolerances apply to all deliveries measured at any load within the rated measuring range of the EVSE.</p> <p>(c) Where instrument transformers or other components are used, the provisions of this section shall apply to all system components.</p>			
<p>T.2. Load Test Tolerances</p>			
<p>T.2.1</p>	<p>EVSE Load Test Tolerances</p> <p>The tolerances for EVSE load tests are:</p>		
	<p>(a) acceptance tolerance: 1.0 %.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>T.3. Repeatability</p>			
	<p>When multiple load tests are conducted at the same load condition, the range of the load test results shall not exceed 25 % of the absolute value of the maintenance tolerance and the results of each test shall be within the applicable tolerance.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

Index	Requirement(s)	Met?	Comments
<p>T.4. Tolerance Application in Type Evaluation Examinations for EVSEs</p>			
<p>For type evaluation examinations, the acceptance tolerance values shall apply under the following conditions:</p>			
	<p>(a) at any temperature, voltage, load, and power factor within the operating range of the EVSE, and</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(b) regardless of the influence factors in effect at the time of the conduct of the examination, and</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
	<p>(c) for all quantities greater than the minimum measured quantity.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>T.5. No Load Test</p>			
	<p>An EVSE measuring system shall not register when no load is applied.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	
<p>T.6. Starting Load</p>			
	<p>An EVSE measuring system shall register a starting load test at a 0.5 ampere (A) load.</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/></p>	

Date of completion:

Completed By: