

Revised Version for Block 4 Items – 9/23/20

Definitions:

recorded representation. – The printed, embossed, **electronic**, or other representation that is recorded as a quantity, **unit price, total price, product identity or other information required** by a weighing or measuring device. [1.10, **2.20, 2.21, 2.22, 2.24, 2.25, 3.30, 3.31, 3.32, 3.33, 3.34, 3.35, 3.36, 3.37, 3.38, 3.39, 3.40, 5.54, 5.55, 5.56(a), 5.56(b), 5.57, 5.58, 5.60**]

recording element. – An element incorporated in a weighing or measuring device by means of which ~~it's~~ **the device's** performance relative to quantity or money value is permanently recorded **electronically or** on a tape, ticket, card, or the like, in the form of a printed, stamped, punched, or perforated representation **or recorded electronically in instances where that option is permitted by specific code.** [1.10, **2.20, 2.21, 2.22, 2.24, 2.25, 3.30, 3.31, 3.32, 3.33, 3.34, 3.35, 3.36, 3.37, 3.38, 3.39, 3.40, 5.54, 5.55, 5.56(a), 5.56(b), 5.57, 5.58, 5.60**]

General Code:

G-S.5.6. Recorded Representations. – Insofar as they are appropriate, the requirements for indicating and recording elements shall also apply to recorded representations. All recorded values shall be ~~printed~~ **presented** digitally. In applications where recorded representations are required **by a specific code**, the customer may be given the option of not receiving the recorded representation. **Unless otherwise specified, recorded representations referenced in specific codes shall be made available to the customer as a minimum in hard copy form.** **However,** ~~For~~ systems equipped with the capability of issuing an electronic receipt, ticket, or other recorded representation, the customer may be given the option to receive any required information electronically (e.g., via cell phone, computer, etc.) in lieu of or in addition to a hard copy.

(Amended 1975, 2014 and **20XX**)

Specific Codes:

From 3.30 Liquid Measuring Devices

S.1.6.5.6. Display of Quantity and Total Price, Aviation Refueling Applications.

- (a) *The quantity shall be displayed throughout the transaction.*
- (b) *The total price shall also be displayed under one of the following conditions:*
 - (1) The total price can appear on the face of the dispenser or through a controller adjacent to the device.
 - (2) If a device is designed to continuously compute and display the total price, then the total price shall be computed and displayed throughout the transaction for the quantity delivered.
- (c) *The total price and quantity shall be displayed for at least five minutes or until the next transaction is initiated by using controls on the device or other customer-activated controls.*
- (d) *A ~~printed~~ receipt shall be available and shall include, at a minimum, the total price, quantity, and unit price.*

[Nonretroactive as of January 1, 2008]

(Added 2007)

Amended 20XX

S.1.6.7. Recorded Representations. – Except for fleet sales and other price contract sales and for transactions where a post-delivery discount is provided, a ~~printed~~ receipt providing the following information shall be available through a built-in or separate recording element for all transactions conducted with point-of-sale systems or devices activated by debit cards, credit cards, and/or cash:

- (a) *the total volume of the delivery;**
- (b) *the unit price;**
- (c) *the total computed price;**

- (d) *the product identity by name, symbol, abbreviation, or code number;* and*
- (e) *the dispenser designation by either an alphabetical or numerical description.***

**[Nonretroactive as of January 1, 1986] **[Nonretroactive as of January 1, 2021]*

(Added 1985) (Amended 1997, 2012, 2014, 2018 and **20XX**)

S.1.6.8. Recorded Representations for Transactions Where a Post-Delivery Discount(s) is Provided. – Except for fleet sales and other price contract sales, a **printed** receipt providing the following information shall be available through a built-in or separate recording element that is part of the system for transactions involving a post-delivery discount:

- (a) the product identity by name, symbol, abbreviation, or code number;
- (b) transaction information as shown on the dispenser at the end of the delivery and prior to any post-delivery discount(s), including the:
 - * (1) total volume of the delivery;
 - (2) unit price; and
 - (3) total computed price of the fuel sale.
- (c) an itemization of the post-delivery discounts to the unit price;
- (d) the final total price of the fuel sale after all post-delivery discounts are applied; and
- (e) *the dispenser designation by either an alphabetical or numerical description.*

[Nonretroactive as of January 1, 2021]

(Added 2012) (Amended 2014, **and 2018, and 20XX**)

UR.3.3. Computing Device. – Any computing device used in an application where a product or grade is offered for sale at one or more unit prices shall be used only for sales for which the device computes and displays the sales price for the selected transaction.

(Became retroactive 1999)

(Added 1989) (Amended 1992)

The following exceptions apply:

- (a) Fleet sales and other price contract sales are exempt from this requirement.
- (b) A truck stop dispenser used exclusively for refueling trucks is exempt from this requirement provided that:
 - (1) all purchases of fuel are accompanied by a **printed** receipt of the transaction containing the applicable price per gallon, the total gallons delivered, and the total price of the sale; and
(Added 1993)
 - (2) unless a dispenser complies with S.1.6.4.1. Display of Unit Price, the price posted on the dispenser and the price at which the dispenser is set to compute shall be the highest price for any transaction which may be conducted.
(Added 1993)
- (c) A dispenser used in an application where a price per unit discount is offered following the delivery is exempt from this requirement, provided the following conditions are satisfied:
 - (1) the unit price posted on the dispenser and the unit price at which the dispenser is set to compute prior to the application of any discount shall be the highest unit price for any transaction;
(Amended 2014)
 - (2) all purchases of fuel are accompanied by a receipt recorded by the system. The receipt shall contain:
 - a. the product identity by name, symbol, abbreviation, or code number;
 - b. transaction information as shown on the dispenser at the end of the delivery and prior to any post-delivery discount including the:
 - 1. total volume of the delivery;
 - 2. unit price; and
 - 3. total computed price of the fuel sale prior to post-delivery discounts being applied.
 - c. an itemization of the post-delivery discounts to the unit price; and
 - d. the final total price of the fuel sale.

(Added 2012) (Amended 2014)

(Added 1989) (Amended 1992, 1993, 2012, **and 2014, and 20XX**)

UR.3.4. Printed Ticket. Recorded Representation – The total price; the total volume of the delivery; the price per liter or gallon; *and a corresponding alpha or numeric dispenser designation** shall be ~~shown, either printed recorded~~ by the device ~~or in clear hand script~~, on any ~~printed ticket issued by a device and recorded representation~~ containing any one of these values. Establishments where no product grades are repeated are exempt from the dispenser designation requirement.

**[Nonretroactive as of January 1, 2021]*

(Amended 2001, 2018, and 2019, and 20XX)

From 3.31 Vehicle- Tank Meters

S.1.1. Primary Elements.

Change:

S.1.1.1. General. – A meter shall be equipped with a primary indicating element and may also be equipped with a primary recording element.

Note: Except for systems used solely for the sale of aviation fuel into aircraft and for aircraft-related operations, vehicle-tank meters shall also be equipped with a primary recording element as required by paragraph UR.2.2. ~~Ticket Printer; Customer Ticket. Recorded Representation~~

(Amended 1993)

TO:

S.1.1. Primary Elements.

S.1.1.1. General. – A meter shall be equipped with a primary indicating element. Except for systems used solely for the sale of aviation fuel into aircraft and for aircraft-related operations, a meter shall be equipped with a primary recording element.

(Amended 1993 and 20XX)

S.1.4.2. ~~Printed Ticket Recorded Representation~~ – If a computing-type device issues a ~~printed ticket recorded representation~~ which displays the total computed price, the ~~ticket recorded representation~~ shall ~~also have printed clearly thereon record~~ the total quantity of the delivery, the appropriate fraction of the quantity, and the price per unit of quantity.

(Amended 1989, and 20XX)

UR.2.2. ~~Ticket Printer, Customer Ticket Recording Element.~~ – Vehicle-Mounted metering systems shall be equipped with a ~~ticket printer which shall be used for means to record~~ all sales where product is delivered through the meter. A copy of the ticket issued by the device shall be ~~left with~~ provided to the customer at the time of delivery or as otherwise specified by the customer.

(Added 1993) (Amended 1994, and 20XX)

From 3.32 LPG and Anhydrous Ammonia Liquid-Measuring Devices

S.1.1. Primary Elements.

S.1.1.1. General. – A meter shall be equipped with a primary indicating element and may also be equipped with a primary recording element.

Note: Vehicle-mounted metering systems shall be equipped with a primary recording element as required by paragraph UR.2.6. ~~Ticket Printer; Customer Ticket. Recorded Representation~~

(Amended 20XX)

S.1.1.6. ~~Printed Ticket. Recorded Representation~~ – Any ~~printed ticket issued recorded representation~~ created by a device of the computing type ~~on which there is printed includes~~ the total computed price, shall ~~have printed clearly also include~~ thereon the total volume of the delivery in terms of liters or gallons, and the appropriate decimal fraction of the liter or gallon, and the corresponding price per liter or gallon.

(Added 1979) (Amended 1987, and 20XX)

S.1.5.5. Recorded Representations for Transactions Where a Post-Delivery Discount(s) is Provided. – Except for fleet sales and other price contract sales, a ~~printed receipt–recorded representation~~ providing the following

information shall be available through a built-in or separate recording element that is part of the system for transactions involving a post-delivery discount:

- (a) the product identity by name, symbol, abbreviation, or code number;
- (b) transaction information as shown on the dispenser at the end of the delivery and prior to any post-delivery discount(s), including the:
 - (1) total volume of the delivery;
 - (2) unit price; and
 - (3) total computed price of the fuel sale.
- (c) an itemization of the post-delivery discounts to the unit price; and
- (d) the final total price of the fuel sale after all post-delivery discounts are applied.

(Added 2016) (Amended 20XX)

UR.2.6. ~~Ticket Printer, Customer Ticket, Recorded Representation~~– Vehicle-Mounted metering systems shall be equipped with ~~a ticket printer which shall be used for means to record~~ all sales where product is delivered through the meter. A copy of the ~~ticket recorded representation~~ issued by the device shall be ~~left with~~ provided to the customer at the time of delivery or as otherwise specified by the customer.

(Added 1993) (Amended 1994, and 20XX)

UR.2.7.2. Computing Device. – Any computing device used in an application where a product or grade is offered for sale at one or more unit prices shall be used only for sales for which the device computes and displays the sales price for the selected transaction. The following exceptions apply:

- (a) Fleet sales and other price contract sales are exempt from this requirement.
- (b) A truck stop dispenser used exclusively for refueling trucks is exempt from this requirement provided that:
 - (1) all purchases of fuel are accompanied by a ~~printed receipt~~ recorded representation of the transaction containing the applicable price per unit of measure, the total quantity delivered, and the total price of the sale; and
 - (2) unless a dispenser complies with S.1.5.1. Display of Unit Price, the price posted on the dispenser and the price at which the dispenser is set to compute shall be the highest price for any transaction which may be conducted.
- (c) A dispenser used in an application where a price per unit discount is offered following the delivery is exempt from this requirement, provided the following conditions are satisfied:
 - (1) the unit price posted on the dispenser and the unit price at which the dispenser is set to compute shall be the highest unit price for any transaction;
 - (2) all purchases of fuel are accompanied by a receipt recorded by the system for the transaction containing:
 - a. the product identity by name, symbol, abbreviation, or code number;
 - b. transaction information as shown on the dispenser at the end of the delivery and prior to any post-delivery discount including the:
 - 1. total volume of the delivery;
 - 2. unit price; and
 - 3. total computed price of the fuel sale prior to post-delivery discounts being applied.
 - c. an itemization of the post-delivery discounts to the unit price; and
 - d. the final total price of the fuel sale after all post-delivery discounts are applied.

(Added 2016) (Amended 20XX)

From 3.34. Cryogenic Liquid-Measuring Devices

S.1.4.1. ~~Printed Ticket, Recorded Representation~~– Any ~~printed ticket recorded representation~~ issued by a device of the computing type ~~on which there is printed~~ includes the total computed price shall ~~have printed clearly thereon~~ also include the total quantity of the delivery and the price per unit.

(Amended 20XX)

UR.2.6.2. ~~Tickets or Invoices, Recorded representation~~– Any ~~written invoice, or printed ticket, recorded representation~~ based on a reading of a device that is equipped with an automatic temperature or density compensator shall have shown thereon that the quantity delivered has been adjusted to the quantity at the NBP of the specific cryogenic product or the equivalent volume of gas at NTP.

(Amended 20XX)

UR.2.6.3. ~~Printed Ticket, Recorded Representation.~~ – Any ~~printed ticket issued~~ recorded representation provided by a device of the computing type ~~on which there is printed~~ includes the total computed price, the total quantity of the delivery, or the price per unit, shall also ~~show~~ include the other two values. ~~(either printed or in clear hand-script).~~

From 3.35. Milk Meters

S.1.4.2. ~~Printed Ticket Recorded Representation~~ – If a computing-type device issues a ~~printed ticket recorded representation~~ which ~~displays~~ includes the total computed price, the ~~ticket-recorded representation~~ shall ~~also have printed clearly thereon~~ include the total quantity of the delivery, the appropriate fraction of the quantity, and the price per unit of quantity.

(Amended 1989, and 20XX)

**UR.2.6.3. ~~Printed Ticket, Recorded Representation.~~ – Any ~~printed ticket issued~~ recorded representation created by a device of the computing type ~~on which there is printed~~ includes the total computed price, the total quantity of the delivery, or the price per unit, shall also ~~show~~ include the other two values. ~~(either printed or in clear hand-script).~~
(Amended 20XX)**

From 3.37. Mass Flow Meters

S.6. ~~Printer, Recording Element~~ – When an assembly is equipped with means for ~~printing~~ recording the measured quantity, the following conditions apply:

- (a) the scale interval shall be the same as that of the indicator;
- (b) the value of the ~~printed recorded~~ quantity shall be the same value as the indicated quantity;
- (c) ~~the printed recorded~~ quantity shall also include the mass value if the mass is not the indicated quantity;
[Nonretroactive as of January 1, 2021]
- (d) a quantity for a delivery (other than an initial reference value) cannot be recorded until the measurement and delivery has been completed;
- (e) the ~~printer recording element~~ is returned to zero when the resettable indicator is returned to zero; and
- (f) the ~~printed recorded~~ values shall meet the requirements applicable to the indicated values.

(Amended 2016, and 20XX)

**S.6.1. ~~Printed Receipt Recorded Representations.~~ – Any ~~When a quantity is~~ delivered, ~~printed quantity the recorded representation~~ shall include an identification number, the time and date, and the name of the seller. ~~This information may be printed by the device or pre-printed on the ticket.~~
(Amended 20XX)**

UR.2.6. ~~Ticket Printer, Customer Ticket, Recorded Representation~~ . – Vehicle-Mounted metering systems shall be equipped with a ~~ticket printer which shall be used for~~ means to record all sales where product is delivered through the meter. A copy of the ~~ticket recorded representation~~ issued by the device shall be ~~left with~~ provided to the customer at the time of delivery or as otherwise specified by the customer.

(Added 1993) (Amended 1994, and 20XX)

UR.3.4. ~~Printed Ticket, Recorded Representation.~~ – The total price, the total quantity of the delivery, and the price per unit shall be ~~recorded~~ provided on any ~~ticket-recorded representation~~ issued by a device of the computing type and containing any one of these values.

(Added 1993) (Amended 20XX)

From 3.38. Carbon Dioxide Liquid-Measuring Devices

S.1.4.1. ~~Printed Ticket, Recorded Representation~~ – Any ~~printed ticket recorded representation~~ issued by a device of the computing type ~~on which there is printed~~ includes the total computed price shall ~~have printed clearly thereon~~ also include the total quantity of the delivery and the price per unit.

(Amended 20XX)

UR.2.4.2. ~~Tickets or Invoices~~ Recorded Representation. – Any ~~written invoice or printed ticket~~ **recorded representation** based on a reading of a device that is equipped with an automatic temperature or density compensator shall ~~have shown thereon~~ **include** that the quantity delivered has been temperature or density compensated.
(Amended 20XX)

From 3.39. Hydrogen Gas-Measuring Devices Code

S.2.6. Recorded Representations, Point of Sale Systems. – A **printed** receipt shall be available through a built-in or separate recording element for transactions conducted with point-of-sale systems or devices activated by debit cards, credit cards, and/or cash. The **printed** receipt shall contain the following information for products delivered by the dispenser:

- (a) the total mass of the delivery;
- (b) the unit price;
- (c) the total computed price; and
- (d) the product identity by name, symbol, abbreviation, or code number.

(Amended 20XX)

S.6.1. ~~Printed Receipt~~ Recorded Representation – ~~Any~~ **When a quantity is delivered, printed quantity the recorded representation** shall include an identification number, the time and date, and the name of the seller. ~~This information may be printed by the device or pre-printed on the ticket.~~

(Amended 20XX)

UR.3.2. Vehicle-mounted Measuring Systems ~~Ticket Printer~~ Recording Element.

(Amended 20XX)

S.6. ~~Printer~~ Recording Element – When an assembly is equipped with means for **printing recording** the measured quantity, the **printed recorded** information must agree with the indications on the dispenser for the transaction and the **printed-recorded** values shall be clearly defined.

(Amended 20XX)

UR.3.2.1. ~~Customer Ticket~~ Recording Element. – Vehicle-Mounted metering systems shall be equipped with ~~a ticket printer which shall be used for~~ **means to record** all sales where product is delivered through the meter. A copy of the **ticket recorded representation** issued by the device shall be ~~left with~~ **provided to** the customer at the time of delivery or as otherwise specified by the customer.

(Amended 20XX)

UR.3.3. ~~Printed Ticket~~ Recorded Representation. – The total price, the total quantity of the delivery, and the price per unit shall be recorded on any ticket issued by a device of the computing type and containing any one of these values.

(Added 1993) **(Amended 20XX)**